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HISTORY
The Queensland University of Technology (QUT) was created in January 1989 by redesignation of the Queensland Institute of Technology (QIT). QIT had its origins in the Central Technical College, which was established in 1914 on what is now the University’s Gardens Point campus. On its formation in 1965, QIT absorbed the professional courses offered by the Central Technical College and in its first year enrolled some 2000 part-time students.

In May 1990, QUT amalgamated with the Brisbane College of Advanced Education (BCAE), a large multi-campus institution specialising in the arts, business, education and the social sciences. BCAE was formed by an amalgamation that took place in January 1982, its precursors being the Kelvin Grove, Mount Gravatt and North Brisbane Colleges of Advanced Education and the Brisbane Kindergarten Teachers’ College. These institutions were established, under other designations, in 1914, 1969, 1961 and 1907 respectively. The Mount Gravatt campus of BCAE was transferred to Griffith University in January 1990 prior to BCAE commencing amalgamation negotiations with QUT.

The institution resulting from the amalgamation of BCAE with QUT has retained the title Queensland University of Technology. It is a major university in the Australian context with a broad academic profile and an increasing involvement in research and postgraduate education. QUT has an enrolment of over 28,000 students and expectations of sustained growth. It currently has campuses at Carseldine, Kelvin Grove and Gardens Point, all in metropolitan Brisbane.

MISSION
Within its mission statement QUT has identified three main goals:

☐ Teaching
To ensure that its graduates acquire knowledge, professional competence, a sense of community responsibility, and a capacity to continue their professional and personal development throughout their lives.

☐ Research
To advance and apply knowledge germane to the professions and to the communities with which it interacts, and relevant to the enhancement of economic, cultural and social conditions.

☐ Service
To contribute to the development of Australia’s international responsibility and competitiveness; to enhance QUT’s relationship with the professions; and to increase community awareness of issues through professional service and social commentary.

COUNCIL
The Council is the University’s governing body, with responsibility for managing the University in accordance with the Queensland University of Technology Act 1988-1990. The Council consists of 22 members, of whom eight are nominees of the Minister for Education, one is a nominee of the Director-General of Education, two are nominees of the Council, two are elected non-academic staff members, three are elected academic staff members, two are elected student members and two are elected Convocation members. The Chancellor and Vice-Chancellor are members ex officio. The Chancellor is Chairperson of the Council and the Registrar is Secretary.

CONVOCATION
Convocation is a forum of QUT graduates, academic staff, past and present Council members and other qualified members.

Convocation represents the interests of QUT graduates through its representation on Council and its influence on University decision making, including teaching and applied research areas.

Convocation is chaired by a Warden and is served by a Standing Committee. The full Convocation meets annually and its functions are performed through the year by the Standing Committee.

INFORMATION
In addition to the Handbook, the University produces a range of publications to which the public has access. These include the Research and Consultancy Report, the Annual Report, the University’s Manual of Policy and Procedures (MOPP) and the Admission Procedures booklet. These publications are available in the University’s Libraries or may be obtained on request from the Registrar.

Note: All correspondence should be addressed to:
The Registrar
Queensland University of Technology
GPO Box 2434
Brisbane Qld 4001
Australia
QUT is subject to the Queensland *Freedom of Information Act 1992* which commenced on 19 November 1992.

**ORGANISATIONAL STRUCTURE**

The QUT organisational structure consists of the Chancellery, eight academic Faculties, and four non-academic divisions.

The Faculties are:

- Arts
- Built Environment and Engineering
- Business
- Education
- Health
- Information Technology
- Law
- Science

The divisions are:

- Academic Affairs
- Administrative Services
- Information Services
- Research and Advancement
The schedule of dates which appears below is the University’s official calendar. Not all courses comply with the official calendar in every respect. Detailed information on individual course calendars is available from faculty offices and Student Administration.

### Academic Calendar

#### SUMMER SCHOOL

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Week</th>
<th>Public Holidays</th>
</tr>
</thead>
<tbody>
<tr>
<td>06 – 10 January</td>
<td>1</td>
<td>01 January – New Year’s Day</td>
</tr>
<tr>
<td>13 – 17 January</td>
<td>2</td>
<td>27 January – Australia Day</td>
</tr>
<tr>
<td>20 – 24 January</td>
<td>3</td>
<td></td>
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<tr>
<td>27 – 31 January</td>
<td>4</td>
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</tr>
<tr>
<td>03 – 07 February</td>
<td>5</td>
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</tr>
</tbody>
</table>

#### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Week</th>
<th>Event</th>
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<tbody>
<tr>
<td>09 – 11 February</td>
<td>1</td>
<td>International Student Orientation</td>
</tr>
<tr>
<td>12 – 14 February</td>
<td>2</td>
<td>Orientation</td>
</tr>
<tr>
<td>17 – 21 February</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>24 – 28 February</td>
<td>4</td>
<td>17 February First Semester commences</td>
</tr>
<tr>
<td>03 – 07 March</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>10 – 14 March</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>17 – 21 March</td>
<td>7</td>
<td></td>
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<tr>
<td>24 – 28 March</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>31 March – 04 April</td>
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<td>31 March First Semester Census</td>
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<table>
<thead>
<tr>
<th>Date Range</th>
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<th>Event</th>
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<tbody>
<tr>
<td>07 – 11 April</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>14 – 18 April</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>21 – 25 April</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>28 April – 02 May</td>
<td>4</td>
<td>25 April – Anzac Day</td>
</tr>
<tr>
<td>05 – 09 May</td>
<td>5</td>
<td>05 May – Labour Day</td>
</tr>
<tr>
<td>12 – 16 May</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>19 – 23 May</td>
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<tr>
<td>26 – 30 May</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>02 – 06 June</td>
<td>9</td>
<td>Examination preparation</td>
</tr>
<tr>
<td>09 – 28 June</td>
<td></td>
<td>Examinations (includes Saturdays)</td>
</tr>
<tr>
<td>30 June – 18 July</td>
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<td>Vacation</td>
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#### SECOND SEMESTER

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</thead>
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<tr>
<td>16 – 17 July</td>
<td>1</td>
<td>International Student Orientation</td>
</tr>
<tr>
<td>17 – 18 July</td>
<td>2</td>
<td>Orientation for mid-year entry</td>
</tr>
<tr>
<td>21 – 25 July</td>
<td>3</td>
<td>21 July Second Semester commences</td>
</tr>
<tr>
<td>28 July – 01 August</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>04 – 08 August</td>
<td>5</td>
<td>13 August – Exhibition Day (unconfirmed)*</td>
</tr>
<tr>
<td>11 – 15 August</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>18 – 22 August</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>25 – 29 August</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>01 – 05 September</td>
<td></td>
<td>31 August Second Semester Census</td>
</tr>
<tr>
<td>08 – 12 September</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15 – 19 September</td>
<td></td>
<td></td>
</tr>
<tr>
<td>22 – 26 September</td>
<td></td>
<td></td>
</tr>
<tr>
<td>29 September – 03 October</td>
<td>7</td>
<td>Vacation</td>
</tr>
<tr>
<td>06 – 10 October</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>13 – 17 October</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>20 – 24 October</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>27 – 31 October</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>03 – 07 November</td>
<td>12</td>
<td>Examinations (includes Saturdays)</td>
</tr>
<tr>
<td>10 – 29 November</td>
<td></td>
<td>25 December – Christmas Day</td>
</tr>
</tbody>
</table>

* The Brisbane Exhibition normally falls on the second Wednesday of August.
COUNCIL
Composition, membership, powers and responsibilities of QUT Council are governed by the Queensland University of Technology Act. Procedures for elections, meetings and dealing with business in Council, are specified in QUT Statute 2 – Council.

Council is empowered to establish committees and to delegate power to committees or officers of the University. While Council is ultimately responsible for the management and operation of QUT, it has delegated authority to the chief executive officer, the Vice-Chancellor, and to various senior administrators of QUT for much of the day-to-day management of the University. Council has also established a number of advisory committees, some of which have been authorised to make decisions in respect of prescribed policy and procedural matters.

COUNCIL MEMBERSHIP
(As at 1 September 1996. A new Council will take office in December 1998.)

- **Chancellor (Chairperson)**
  Dr C. Hirst, MBBS BEdSt Qld

- **Vice-Chancellor**
  Professor R.D. Gibson, BSc(Hons) Hull, MSc PhD N’cle(UK), DSc CNA, FIMA, FAIM

- **Nominees of the Minister of Education**
  J. Schafer, LLB(Hons) Qld (Deputy Chancellor)
  L.N. Ledlie, AM, BEcon Qld
  A. Chaplain, BA Griff, MBA Melb, DipSIA
  A. Bligh MLA, BA Qld
  R. Boyle, BEcon Qld
  C. Hillyard, BSc(Hons) PhD Lond.
  A. Gould, DipDrama LondAcadDramArts
  L. Stewart, BSc(Hons) CompSci HND Comp Data Proc, SNC

- **Nominee of the Director-General of Education**
  R Sullivan, CertT BA BEd MEd FACE

- **Nominees of Council**
  I. Dover, BSc(Metallurgy) BSc(Met)(Hons) MEng(McMaster) PhD Qld
  R. Grice, HonDPhil Qld

- **Elected non-academic staff members**
  P. Abernethy, BA MPubAdmin Qld, GradDipBusAdmin QIT
  G. Dawson, BA(Librarianship) Charles Sturt, GradDipCommIComp

- **Elected academic staff members**
  G.I. MacKenzie, LLB QIT, LLM
  L.G. Wiseman, LLB(Hons) LLM Lond.

- **Elected student members**
  D. Berry
  B. Jones

- **Elected Convocation members**
  P.J. McGahan, BAppSc (Ind.Chem.) GradDipBusAdmin QIT
  K. Brinkley, BBus(Comm) MBus(CommMgt)

- **Secretary**
  K.E. Baumber, BSc St Andrew’s

- **Deputy Vice-Chancellor (attends by invitation)**
  Professor O.P. Coaldrake, BA(Hons) James Cook, PhD Griff., FAIM, FRIPAA

- **Tenure**
  Council serves a three-year term.

COMMITtees
QUT committees form the major decision-making structure of the University and student representation is provided for on both University and faculty committees. The major University committees which have student representation as part of their membership are:

- **QUT Council**
- **Planning and Resources Committee**
- **Research Management Committee**
- **Equity Board**
- **University Academic Board**
- **Teaching and Learning Committee**
- **Academic Procedures and Rules Committee**
- **Academic Appeals Committee**
- **Vice-Chancellor’s Staff/Student Liaison Committee**
- **Access for People with Disabilities Committee**
- **Aboriginal and Torres Strait Islander Committee**
- **Admissions Appeals Committee**
- **Outstanding Contribution Award for General Staff Committee**
- **Award for Outstanding Contribution Standing Sub-Committee (Academic Staff)**
- **Community Service Committee**
- **University Health and Safety Committee**

QUT encourages student representation on the above committees. If you are interested in finding out more information about University committees contact the Secretariat on (07) 3864 2357. If you wish to find out how to become a student representative member of any of the above committees contact the Student Guild on (07) 3864 1666.
SENIOR OFFICERS OF THE ADMINISTRATION

□ Chancellery
Vice-Chancellor: Professor R.D. Gibson, MSc Hull, PhD N’cle(UK), DSc CNA, FAIM
Deputy Vice-Chancellor: Professor O.P. Coaldrake, BA(Hons) James Cook, PhD Griff., FAIM, FRIPAA
Director Planning and Resources (Acting): Professor D.G. Gardiner, BA LLM(Hons) Syd., Barrister
Public Affairs Director: P.H. Hinton, BA Qld
Executive Officer: M.R. MacColl, BBus QIT

□ Academic Affairs Division
Pro-Vice-Chancellor (Academic): Professor J.C. Reid, BSc Adel., MA Hawaii, MA PhD Stan., FASSA, FAIM
Director, Academic Policy and Programs: Dr D.W. Field BSc(Hons) PhD Adel., DipT Adel.CAE., FAIP
Coordinator, Equity Section: (vacant)
Coordinator, Oodgeroo Unit: Ms P.E.R. Tripcony, BA DipEd Melb.

□ Administrative Services Division
Registrar – Head, Administrative Services: K.E. Baumber, BSc StAnd.
Deputy Registrar and Head, Student Administration: D.G. Greenwood, BCom(Hons) Qld
Finance and Facilities Director: J.A. Nelson, BCom Qld, AUQ, FCPA
Human Resources Director: (vacant)
Counselling and Health Services Director: D.B. Whitelaw, BA W.Ont., MA Macq., EdD Vanderbilt, MAPsS
Campus Registrar (Gardens Point): G.P. Abernethy, BA MPubAdmin Qld, GradDipBusAdmin QIT
Campus Registrar (Kelvin Grove): D.W. Spann, BA Qld
Campus Registrar (Carseldine): E.D. Harding, BA Qld
Publications Manager: I.A. Wynne
Secretariat Manager: S.E. Johnstone, BA ANU, DipContEd NE

□ Information Services Division
Pro-Vice-Chancellor (Information Services): T. Cochrane, BA Qld, MPhil Griff., AALIA

University Librarian: G.M. Austen, BA(Hons) Melb., DipLib Canb., MBA Qld, AALIA, AIME
Computing Services Director: J.D. Noad, MSc Qld, MACS
Audiovisual Services Director: G.A. Roberts, BA DipEd UNSW, MScEd EducSpecialist Indiana, MAITD
Educational Television (ETV) Manager: R.J. Care-Wickham
Opening Learning Manager (Acting): S. Wilson
Computer Based Education Director (Acting): J. Winn

□ Research and Advancement Division
Pro-Vice-Chancellor – Head, Research and Advancement Division: Professor H. John B. Corderoy, BSc(Tech)(Merit) MEngSc PhD NSW, Barrister of the Supreme Court of NSW, CPEng FIEAust.
International and Continuing Education Office Manager: D. Stent, QDA BA MAgrSt Qld
Head, Foundation and Bridging Programs: Dr A. Savige, BA MEd PhD
Head, International Relations Unit:
Mr K. O’Brien, MA Trinity
Director of Studies (ELICOS): Dr J Valkhoff, BA MA AdvPractDip TESOL, Lond.
Head, Continuing Professional Education:
Mr David Hall, BBus(Com)
Commercial Services Manager: C. Melvin, BBus(Mgmt) QIT, MBA Qld, AIME
Research Manager: Norma H. Gilbert, BA(Hons) MEdEd GradDipEdAdmin
Development Manager: R. Miller, BA(Hons) MA Qld, CFRE, AFAIM

ACADEMIC STAFF

FACULTY OF ARTS
Dean: Professor R.D. Scott, BA(Hons) DipPubAdmin Tas., DPhil Oxf., FACE
Assistant Dean: Dr W.R. Hindsley, BA MA Calif., PhD Queens
Faculty Administration Manager: J.A. Stephenson, BA MBA Qld, AIME, ASA

□ Academy of the Arts
Head of School: Professor P.D. Lavery, BA DipEd Qld, DipD Brist., MLitt NE

□ Communication Design
Head of Communication Design: Associate Professor J.I. Jones, BA MUS, MPS NYU
Dance
Head of Dance: Associate Professor S.P. Street, DipDance Ballet Vic., MA City
Lecturers:
K.E. Bell, BA Qld, CertT Mt Gravatt, MA(Dance) Sur.
S.C. Boughen, BA(Hons) Dance Lond., MA(Contemporary Dance) Kent
J. Donald, ADCommRec Nth Bris., BA(Dance)
J. Utans, DipDance AusBalletSchool
Associate Lecturer:
S. Leclercq, DipDance AusBalletSchool

Drama
Head of Drama: B.C. Haseman, DipT Mt Gravatt, BA Qld, MA(Contemporary Dance) Kent
Senior Lecturer: J. Martin, DipT Kelvin Grove, BA PhD Stockholm, LTCL
Lecturers:
D.G. Batchelor, BA(Hons) PhD Qld
D.M. Eden, BA Qld, ASDA, ATCL
J.A. Hamilton, DipT BEd Kelvin Grove, MA Qld
C. Hoeppe, BA DipEd Qld
D.K. McCrudden, DipStageProd NIDA, GD(ComPrac – Film&TV)
J. McLean, DipT Kelvin Grove, BA Qld, MEd Melb., LSDA
L. Meenach, BFA MFA Arizona
M.L. Radvan, BA(Hons) DipEd Syd., DipDirecting NIDA
I. Thomson, DipActing RADA, Lond., BA Qld, LTCL
Associate Lecturers:
P.B. Makeham, BA(Hons) PhD Newcastle
S. Mee, DipEd Mt Gravatt

Music
Head of Music: Associate Professor A. Arthurs, BMus(Hons) Surrey
Principal Lecturer: A.A. Thomas, BEd BMus
MMus Melb., PhD Qld, AMUSA
Lecturers:
H.B. Axford, BMus Melb.
A.R. Brown, BEd(Music) Melb.CAE
GradDipComp Deakin, MEd(Music) Melb.
M.A.J. Faragher, BMus(Hons) Qld
S.H. Forster, BMus MMus Miss., MMus Indiana
R.H. Hultgren, BA Qld
M. Leigh, DipMus QCM, BMus UBC, LMusA
A.L. Morris, BMus GradDipMus QCM, GradDipTeach Brisbane, MEdSt NE
M.R. Whelan, ADPA Brisbane, BA(Drama)
MCreativeArts James Cook
Associate Lecturers:
M. Leigh, DipMus, QCM, BMus UBC, LMUSA
B. Millard, BMus QCM, LMA, LTCL

Visual Arts
Head of Visual Arts: J.M.J. Armstrong
Associate Professor: D.M. Hawke, DipArt(Ed) Syd., BEd MA Calg., PhD Alberta
Lecturers:
J. Barker, BA(Visual Arts) Curtin, BSc Qld
E.A. Edwards-Kalwijn, BFA Miami, MFA Georgia
V.L. Garnons-Williams, BEd(Sec) MEd(art) Br.Col., GradDipProfArt Syd.CAE
I.G. Hutson, DipEd Auckland STC, DipFineArts(Hons) Cant., BA Open
M.J. Kelly, DipT Kelvin Grove, GradDipVisArt QCA, GradDipAsian Studies Armidale, MLitSt Qld
D. Mafe, DipPainting City&Guilds School of Arts, GradDipPainting Royal Academy, Lond.
A. McNamara, BA MA(Hons) PhD Syd.
M.E. Turner, DipArts Alexander Mackie, BA(VisArts) Syd., GDipProfArt Syd.CAE, MA R’dg
M. Webb, DipFineArts QCA
Associate Lecturer:
T.C. Ross, BA(Hons) Syd.

Centre for Innovation in the Arts
Director: Associate Professor R.C. Wissler, BA(Hons) PhD Qld

School of Humanities
Head of School: Professor G.C.L. Hazlehurst, BA(Hons) Melb., DPhil Oxf., FRSL, FRHistS, FRSA
Professors:
G.F. Gaus, BA NY State, MA PhD Pitt.
C.A. Trocki, BA Cleveland, MA PhD C’nell
Associate Professors:
H. Guille, BSc(Hons) R’dg, PhD Griff.
G.J. Ianziti, BA San Fran., MA PhD Nth Car.
Senior Lecturers:
J.A. Gritti, MA Oxf., PhD Brist.
K.M. Hazlehurst, BA(Hons) Mc; MA, PhD Tor.
P.J. Isaacs, BTh Urban, BD Qld, GDipEd Lond., MA PhD Exe.
N.W. Preston, CertT Kelvin Grove, BA BD Qld, ThD Boston, MEd(Hons) NE
A.M. Shoemaker, BA(Hons) Qu., PhD ANU
Lecturers:
B.M.L. Atherton, BA(Hons) PhD Qld
B.J. Bourke, BA DipEd NE, Maîtrise Lettres Lille
I.R.W. Childs, BA(Hons) DipEd Qld, MA PhD Hawaii
B.E. Hanna, BA(Hons) PhD Qld, Maîtrise des Sciences du Langages Naati Transaloi Franche-Comté
C.S.C. Higgins, BA MLitSt Qld, MA LitCom Murdoch
P.D. Hutton, BA BEd MA Qld
T.L. Jordan, BA BD PhD Qld
D.R. Massey, BA DipPsych Qld, MAPsS
V. Muller, BA(Hons) DipEd MLitSt Qld
S.M. Pearce, BA Adel., MLitt PhD James Cook
A.M. Quanchi, TPTC Frankston, BA(Hons) MA Monash
D.I. Scott, BA(Hons) PhD N’cle (NSW)
A.J. Williamson-Fien, BEcon BA Qld, MA Griff.
G.D. Woollams, BA(Hons) DipEd Qld, PhD Griff.

Associate Lecturers:
J.S. Ainsworth, BA(Hons) PhD Qld
H. Bucknall, LLB Kansai, DipEd Qld
C.D. Favor, BA Southern Methodist University, MA PhD Ariz.
A. Gesche, BA(Hons) BSc(Hons) Adelaide, PhD ANU, DipMedicalTech Ludwigshafen
P.A. Hastings, BA, PhD Qld
M. Parry, BEd Kochi (Japan)
C. Whittington, BEd Airlangga, DipTeachESL Yogyakarta

School of Media and Journalism
Head of School: Professor S. Cunningham, BA(Hons) Qld, MA McG., PhD Griff.
Associate Professors:
L.A. Granato, BA Central Missouri, MA PhD Southern Ill.
P.M. Neilson, BA(Hons) MA PhD Qld, ASA

Senior Lecturers:
G. Bruce, DipEd BA(Hons) BEd Qld, MA PhD NY
E. Hodge, BA NE, BA(Hons) Syd., MSc Boston, PhD Monash

Lecturers:
L. Bowman, BA MPubAdmin Qld
L. Faulkner, BSc Qld
E. Ferrier, BA(Hons) Qld, MA Queens, PhD Qld
T. Flew, MEd Sydney
S. Frost, CertT Mt Gravatt, ADArt QCA, DipArts AFTRS, BA Qld, MBus
C. Hippocrates, BA MJourn Qld
G. MacLennan, BA DipEd Belf., MA Essex
P. Schembri, BA(Hons) DipEd Qld, BBus(Comm) QIT, MBus(Comm)
L. Stocks, BA(Hons) Monash
H. Yeates, BA BEdSt Qld, GradDipMedia AFTRS, MBus(Comm)

Associate Lecturers:
J.E. McGown, ADArts(F&TV) Brisbane
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School of Accountancy

Head of School: Vacant

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R.J. Christie, Dip T N’cle CAE, BA Dip Comp Sc NE, MApp Sc
J. Holford, BApp Sc (Physics) Grad Dip Comp Sc QIT, Dip Ed Qld, MApp Sc(Comp)
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X. Li, BSc Chongqing, MSc Qld
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J.M. Hogan, BSc(Hons) Qld
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School of Information Systems

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Director, Research in Programs: Associate Professor B.T. Horrigan, BA LLB Qld, DPhil Oxon, Solicitor

Director, Centre for Commercial and Property Law: Professor W.D. Duncan LLB Qld, LLM Lond.

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FACULTY OF SCIENCE
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   AIMEE
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C. Duncan
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AUSTRALIAN CENTRE IN STRATEGIC MANAGEMENT (ACSM)

The Australian Centre in Strategic Management (ACSM) was established in 1989 at the Queensland University of Technology (QUT) as a Commonwealth Key Centre of Teaching and Research by the Australian Research Council (ARC) and the Federal Department of Employment, Education and Training and Youth Affairs (DEETYA).

ACSM’s mission is to provide to the community the benefits of teaching, research and service in its areas of study. The main areas of study are quality management, employment relations, organisational strategy, design and change. ACSM also includes related projects on leadership, management development, women in management, and strategic management more generally. New areas of study are being developed for 1997.

Research of international standard is a high priority for ACSM. It is a hub for a network of researchers including masters, doctoral and postdoctoral scholars, visiting professors and teams of academics working with practitioners. Research is funded by a range of sources, including the federal and state governments, Australian and overseas competitive research grants, contracts for applied research, consulting, sponsorship and donations.

The Centre’s current projects include the following: designing, conducting, analysing and providing feedback on surveys of employees’ attitudes; a three-year ARC research grant to study organisational change in telecommunications in Australasia; a three-year ARC research grant to study the impact of strategy and structure on organisational performance in Australian industry; an international and inter-university ARC-funded study of changing employment relations in Australia and New Zealand and in Western European, North American and Asian countries, with particular reference to the telecommunications, information technology and car manufacturing industries; investigation of human resources, quality, and industrial relations practices and business strategy in the banking and finance, tourism, health, automotive, and information technology industries; research on leadership and quality; and a five-year evaluation of quality in the meat industry.

ACSM convenes conferences and seminars, conducts educational programs, publishes books, articles, working papers, reprints and other publications and welcomes short-term and medium-term research visitors, who, for example, are on secondment or study leave. ACSM’s significant progress towards fulfilling its mission is illustrated in its various publications, a list of which is available on request.

ACSM encompasses the values of:
- being relevant to governments, employers, employees, unions and other appropriate stakeholders, including small and medium-sized enterprises
- achieving excellence in research, teaching, and service
- building networks to achieve synergies with appropriate partners
- maintaining a supportive and trusting work environment
- being a learning organisation.

In each of its program areas, ACSM has active links with professional organisations as well as with many enterprises in the private and public sectors, and with other universities and research centres in Australia and overseas. ACSM thereby acts as a bridge between tertiary education and business enterprises, governments, unions and the wider community.

Academic Staff

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Senior Research Fellow: Arthur Preston Bsc(Hons) ANU, M.Admin Griff, PhD Qld
Senior Research Assistants: Kellie Caught, BSc PGDipPsych Qld René Kienzle, BSc PGDipPsych Qld Jan Nixon, BA Qld Patricia Shinner, BA(Hons) Lanc., Msc Manc. Roland Simons, Bsc(Hons) Griff

For more information, see ACSM’s World Wide Web home page:http://www.qut.edu.au/bus/acsm/acsm.html

Please address any enquiries to: Director, Australian Centre in Strategic Management, Faculty of Business, Queensland University of Technology, Gardens Point Campus, 2 George Street, GPO Box 2434, Brisbane, Qld 4001, Australia. Phone: (07) 3864 2539; Fax: (07) 3864 1766

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CENTRE FOR APPLIED STUDIES IN EARLY CHILDHOOD (CASEC)

CASEC occupies a unique niche in the national research scene which places it in a strong position to respond to current concerns about the effects of various aspects of modern society on the well-being
of young children. The overriding goal of the Centre is to sustain a nucleus of expertise and research activity which is at the forefront of progress in areas concerning the development, education, and welfare of young children and to bring the benefits of this knowledge to QUT and the community at large.

The Centre for Applied Studies in Early Childhood has three main objectives:

☐ to conduct high quality research which is at the leading edge of current theory and practice in relation to the development, education and well-being of young children

☐ to provide postgraduate training to meet the needs and demands of early childhood professionals

☐ to make available both to professional groups and the community at large expertise, advice and consultancy aimed at enhancing the well-being of young children, their families, teachers and other care providers.

☐ Research and Teaching

The research activities of the Centre fall within the four areas outlined below. At least one of the principal researchers in the Centre is actively involved in research and teaching in each of these areas. Expertise in both quantitative and qualitative research exists within the Centre.

Reconceptualising early childhood programs: This includes critically examining current knowledge underpinning the work of teachers in the early childhood programs emerging in the 1990s. Theories that will more effectively inform teachers’ work with young children and their parents are expected outcomes of this research.

The management and provision of quality child care: This includes examination of the training and roles of child care providers and investigation of the child care accreditation process, as well as the impact of child care on children and parents.

Factors influencing normal patterns of child development: This includes the Centre’s longitudinal study, which encompasses a number of different aspects of development. Some research in this area focuses on the process of development and some examines the effects of environmental factors on development.

Children and families with special needs: This research area is concerned with the influence of disability or atypical family environments on children’s development.

The Centre has the expertise, resources and facilities to support research, training, postgraduate supervision and service commitments in these areas or specialisation. Its achievements are highly regarded at state and national level and it is continuing to enhance its reputation in the international arena.

**Director:** Associate Professor Heather Mohay, BSc(Hons) Leicester, DippAppPsych (Clinical) Liverpool, PhD Qld, C.Psychol, ABPsS MAPsS.

**CENTRE FOR COMMUNITY AND CROSS-CULTURAL STUDIES**

Both the staff and postgraduate students in the Schools of Humanities and Social Science are involved in research, consultancies and community service with the Centre for Community and Cross Cultural Studies. The Centre focuses on social, cultural, creative, political, psychological, emotional and moral dimensions of community life in plural societies.

The Centre comprises five programs:

1) **Community Studies and Counselling Program**
   - Individual/group/family counselling
   - Psychology (including organisational, social, cognitive, experimental, neuropsychology)
   - Human Services (welfare and counselling services delivered in government/community/residential/Federal/State/Church/commercial settings for the disabled/youth/children and families/ the aged/migrants and refugees/offenders in prison, home detention or in community corrections facilities or on probation or parole

2) **Community Health and Well-being Program**
   - drug and alcohol abuse/rehabilitation/ education
   - occupational health and safety
   - rural health issues
   - measuring the quality of life of cancer patients
   - drugs in sport
   - quantitative and qualitative data analysis

3) **Colonialism and Culture in Asia Program**
   - Asian opium trade
   - ethnic issues in Malaysia and Singapore
   - ethnic politics in Asia
   - politics and violence in South-East Asia

4) **Four Worlds Program**
   - ethnographic research into indigenous peoples, race, ethnicity, multiculturalism, cross-cultural studies under two main fields:
     (a) Sociological, political, criminological research
     (b) Community recovery research
5) Social Gerontology Program
(disability and ageing, housing, employment, retirement).

Director: Prof Roger Scott, BA(Hons) DipPubAdmin Tas., DPhil Ox., FACE

CENTRE FOR EYE RESEARCH

The Centre for Eye Research was established in the School of Optometry in 1986 to coordinate the wide range of research activities in the visual and ophthalmic sciences. The Centre has a vigorous program of research investigating human vision and how the problems people have with vision may be resolved or alleviated.

In 1988 the Centre was given University Centre status and provided with support funding to pursue its mission of developing the research and postgraduate activities of the School of Optometry. In 1989, the Centre’s first PhD students were enrolled.

The research activities of the Centre encompass the clinical, theoretical and applied aspects of the visual sciences. There is an emphasis on the functional and performance aspects of vision. The Centre also undertakes research for the ophthalmic and pharmaceutical industries towards the development of improved ophthalmic appliances and materials. In addition to investigating the causes of human vision problems, the Centre also undertakes research work for government, industry and business to resolve visual problems in the workplace, in transport and in industry.

The Centre for Eye Research serves as a focus for collaboration with groups internal and external to QUT. This collaboration with industry and with other research units is well established, and the Centre has attracted significant research grants from industry and government funding agencies.

The Centre’s facilities and resources are unique in Queensland and provide a resource for the development of the visual and ophthalmic sciences and industries in the State.

Director: Professor L.G. Carney, BAppSc MSc(Optom) PhD Melb., LOSc, FAAO

CENTRE FOR INNOVATION IN THE ARTS

The Centre has three purposes:

☐ to facilitate the creation and presentation of new artistic works
☐ to encourage multi-media innovation in contemporary works
☐ to enhance the commercialisation of new artistic works.

The Centre initiates projects and joins other arts companies, festivals, research institutes and individual artists in joint ventures. An Artist-in-Residence scheme brings national and international visual and performing artists into the QUT and Brisbane communities.

Artistic and scholarly research is undertaken into the performing and visual arts in the fields of Dance, Drama, Music, Visual Arts and Communication Design. Both theoretical and applied research is undertaken by composers, choreographers, directors, writers and visual artists, with a focus on the creative process and innovation in arts practice. Staff attached to the Centre provide consultancy expertise over a wide range of multi-disciplinary applications. Postgraduate students associated with the Centre focus on the creation and/or analysis of new artistic works or multi-media and on-line experimentation using the Academy’s Arts and Technology Laboratory.

The five research programs within the Centre are:

1) Artistic Practice
2) Arts and Technology
3) Arts in Cultural Development
4) Arts Theory
5) Arts Education

Director: Assoc Prof Rod Wissler, BA(Hons) PhD Qld.

CENTRE FOR INSTRUMENTAL AND DEVELOPMENTAL CHEMISTRY

The Centre for Instrumental and Developmental Chemistry was formed in January 1992. It emphasises high quality fundamental research and expert service of community needs through research, postgraduate education, development projects and consultancy.

☐ Research

The Centre specialises in three main areas:

Analytical Science

Project areas currently being researched in the analytical science program include the development of new analytical instrumentation; use of chemometrics; elucidation of three-dimensional structures of complex molecules by NMR, X-ray diffraction and mass spectrometry; and use of vibrational spectroscopy for the characterisation of polymers, minerals, biological molecules and dyes; the development of new sample introduction methods in atomic spectroscopy; the application of analytical techniques to forensic science.

Applied Biological Chemistry

The program encompasses a wide range of industrial sectors, and research makes extensive use of the instrumental infrastructure of the Centre. Current
areas of activity include the synthesis of new molecules for use in industrial electronics and in the medical field; isolation and characterisation of new compounds of medicinal benefit from natural sources; development of new synthetic procedures, especially those based on the use of enzyme technology; and development of new procedures in enzyme fermentation, enzyme technology, and biochemical engineering and processing.

Material Science
This area of Centre activities has been well supported by industrial grants. Research is carried out in a number of important areas encompassing organic, inorganic and metallic materials. Significant project areas include synthetic polymers, particularly degradation studies and polymerisation kinetics; corrosion of metals and alloys in industrial environments; investigation of the electrodeposition of copper during the refining process; study of the structure and properties of clays; and preparation of advanced ceramics by the sol-gel process; application of membrane technology to industrial processes.

☐ Consulting, Testing and Continuing Education
The Centre is very active in consulting and testing. This activity earns valuable funds and forges strong links with the industrial community, leading to joint research projects. The Centre will continue and expand this activity. Centre staff have also established a reputation in continuing education by developing short courses in corrosion science, vibrational spectroscopy and analytical techniques. These courses have been given in every capital city of Australia and in South-east Asia. Future opportunities exist for the Centre to expand its continuing education activities. The Centre collaborates with the National Scientific Instrumentation Training Centre (NSITC) to provide additional training courses.

☐ Equipment
Activities revolve around sophisticated, high-cost instrumentation, including mass spectrometry, nuclear magnetic resonance spectrometry, fourier transform raman and infrared spectroscopy, inductively coupled plasma emission spectrometry, inductively coupled plasma mass spectometry, thermal analysis, and materials testing equipment.

Director: P.M. Fredericks, BSc(Hons) DPhil Sus., FRACI

CENTRE FOR MATHEMATICS AND SCIENCE EDUCATION (CMSE)
The Centre for Mathematics and Science Education (CMSE) seeks to promote a numerate and scientifically literate society by coordinating research in the teaching and learning of mathematics and science. It applies this research through graduate teaching, consultancy, curriculum development and the production of educational resources. It is affiliated with the Faculty of Education, and staff are drawn primarily from the School of Mathematics, Science and Technology Education as well as from other Schools and Faculties. An administrative office, clinical facility, and facilities for research assistants and higher degree students are located on the Kelvin Grove campus.

☐ Research
Research is a major Centre priority. The research program may be classified broadly into five categories relating to mathematics, science and technology education:

☐ Cognition – acquisition of scientific and mathematical knowledge, scientific and mathematical reasoning including problem solving; study of learning environments; teacher cognition and teacher change.

☐ The social context of science and mathematics education including access and equity issues.

☐ The application of information technology to human cognition and improving the quality of learning.

☐ Curriculum development, implementation and evaluation.

☐ Adult and workplace education.

The Centre offers postgraduate research courses by PhD and MEd (Research) and a professional doctorate in education (EdD).

☐ Teaching
The Centre aims towards teaching excellence with a staff experienced in undergraduate, higher degree and continuing education courses, and in supervising theses in mathematics and science and technology education. The Master in Education (MEd) and professional doctorate in education (EdD) degrees are offered by coursework and dissertation and allow specialisation in mathematics, science and technology education. Staff are active in writing teacher education materials and classroom texts in mathematics and science education.

☐ Consultancy
Through consultancy, the Centre aims to promote success and excellence in mathematics and science for students of all ages and backgrounds. Staff are actively involved in a range of consultancy services to meet the needs of schools, industry and the general community. These services include diagnostic, remedial and enrichment activities with students; in-service seminars and short courses for industry and...
educators; cooperative projects with business and the Department of Education; writing and editing for publishers. The Centre welcomes enquiries for the provision of services to the profession and the community.

Director: Associate Professor C.J. McRobbie, BSc Qld, MSc Pacific, PhD Monash

CENTRE FOR MEDIA POLICY AND PRACTICE

The Centre is active in a wide range of research (undertaken by postgraduate students and staff), community service, consultancy and the delivery of in-house industry-accredited courses. The Centre is a partner in the Australian Key Centre for Cultural and Media Policy based at Griffith University and jointly managed by Griffith University, QUT and the University of Queensland. International links throughout the Asia-Pacific region are being developed, with initial projects currently underway in Indonesia and China.

Centre members provide expert commentary for publication in state and national newspapers and for broadcasting on ABC and commercial radio and television and the BBC. In addition, the Centre has provided the services of an interviewer/associate producer for SBS television PAGE Open Learning programs. An active collaboration has also been forged between the Centre and Briz 31 community television through students researching, producing and presenting a regular news program; and with radio 4EB through a broadcast training program for ethnic unemployed and QUT students.

Activities of the Centre for Media Policy and Practice focus on media policy, journalism management and ethical issues, including:

- media and cultural policy environment – history, issues, regulatory structures and processes, public interest analysis
- media and journalism education
- foreign affairs and the media
- history of journalism
- media studies
- textual analysis of film, television, advertising and other media
- film and television project development

Director (Acting): Mr Cratis Hippocrates, BA MJourn Qld.

CENTRE FOR MEDICAL AND HEALTH PHYSICS

The Centre for Medical and Health Physics provides a formalised focus and vehicle through which to foster the application of physics and supporting disciplines to clinical, occupational and environmental health areas in the community.

The Centre has the following functions:

- To promote research in the area of medical and health physics
- To provide quality educational programs for postgraduate students and appropriate professionals
- To facilitate transfer of knowledge and developed technology to the broader scientific community and to industry
- To foster collaboration with external organisations both within Australia and overseas, particularly within countries in the Asia Pacific region.

$Education$
The Centre’s staff provides support for undergraduate and postgraduate studies in the following programs:

- Bachelor of Applied Science – Physics major
- Bachelor of Applied Science – Medical Radiation Technology, with majors in:
  - Medical Imaging Technology, and Radiotherapy Technology
- Bachelor of Applied Science (Honours) – Physics
- Master of Applied Science, with majors in
  - Medical Physics, Medical Imaging and Medical Ultrasound
- PhD programs.

$Continuing Education$
The Centre offers short courses in:

- radiation health physics
- radiography
- medical ultrasound and
- other areas.

$Research and Consultancy$
The Centre’s current areas of research and development are in:

- medical physics
  - clinical measurement
  - computer modelling
  - enhancement/development of instrumentation
  - diagnostic methodologies
- medical imaging
  - magnetic resonance imaging
  - bioimpedance imaging
  - image analysis
  - 3D imaging
- body composition studies
  - body water measurements
n toxic element analysis
n bond densitometry

□ health physics
  ■ modelling and measurement of air pollutants aerosols
  ■ measurement of ionising radiation
  ■ environmental radioactivity
  ■ radiation health physics
  ■ ultraviolet radiation monitoring
  ■ audiological/speech signal processing

□ daylighting/photometry
  ■ daylighting (natural lighting) research services
  ■ photometric services

□ materials science
  ■ nuclear magnetic resonance (NMR) micro-imaging
  ■ biomaterials research
  ■ shock tube compaction of powders.

The Centre’s major areas of consultancy are:
□ measurement of radioactivity
□ shielding design for radiological practices
□ measurement of light transmittance/reflectance (NATA registered laboratory)
□ measurement of ultraviolet radiation.

Director: Associate Professor B.J. Thomas, BSc(Hons) PhD, FACPSEM, MAIP

CENTRE FOR MOLECULAR BIOTECHNOLOGY

The Centre for Molecular Biotechnology has as its primary objectives research and postgraduate education in medical and plant biotechnology. The Centre was established in 1988 and currently has a staff and student complement of more than 90. The Centre is located on the Gardens Point campus in a modern, well-equipped laboratory complex with associated facilities. Postgraduate education includes PhD and Masters programs and components of the Honours and Graduate Diploma in Biotechnology courses. Undergraduate course components are also supported. Research is concentrated into a few programs and involves considerable collaboration with other Australian and overseas institutions as well as industry.

The principal research programs are:
□ arbovirology
□ cancer and molecular genetics
□ chlamydial diseases
□ growth and developmental biology
□ plant biotechnology
□ population biology.

Director: Professor J.L. Dale, BScAgr PhD Syd., MASM

CENTRE FOR STATISTICAL SCIENCE AND INDUSTRIAL MATHEMATICS

The mission of the Centre is to create new knowledge in statistical science and industrial mathematics and to bring the benefits of this knowledge, its scholarship and expertise to QUT and the community at large. This has and will be achieved through:

□ performing high quality research
□ providing a focus and resources for researchers to perform research in statistical science and industrial mathematics
□ providing postgraduate teaching
□ providing continuing education of relevance to the community
□ providing a consulting service to the community
□ promoting collaborative projects between the Centre and other QUT centres and organisations in Queensland, interstate and overseas.

The Centre acknowledges the need to carry out research which is of significance to industry, government and society and therefore the need to forge links with external organisations. It also aims to maintain and develop strong links with local industry by providing expert consulting in statistics and mathematics.

The Centre for Statistical Science and Industrial Mathematics has, as its main research focus, the development of statistical and mathematical models and efficient algorithms for the analysis of problems of significance to industry, government and the community. It received university centre status at the end of 1992.

The research programs of the Centre include:
□ time series analysis
□ spatial statistics
□ statistical modelling and data analysis
□ statistical theory and statistical computing
□ operations research
□ mathematical modelling of complex industrial, biological and physical systems
□ pure mathematics.

There are a number of research projects in each of these areas.

A major feature of the Centre is the high proportion of collaboration in research projects with other researchers from within QUT, other universities, the CSIRO, government departments and industry. Several projects involve contract research for industry.

Queensland Health Care Research Group, which is part of the Centre, was established in 1995. It
provides statistical and mathematical modelling expertise to Queensland Health especially in the areas of resource allocation and strategic planning. Consulting services are provided within QUT and to external clients in industry and government by the Statistical Consulting Unit and by other staff of the Centre.

The Centre has a strong postgraduate teaching program with around 30 PhD and research Masters students. Many of these students are working on collaborative projects with supervisors from outside QUT in industry or research organisations.

Staff of the Centre are involved in the provision of statistical education for postgraduate students at QUT and external organisations.

The Centre has excellent computing facilities with its own DEC Alpha server, DEC Alpha workstations, networked PCs and Macs, and centrally provided research supercomputing facilities.

**Director:** Professor D.L.S. McElwain, BSc(Hons) Qld PhD York (Can.).

**COOPERATIVE RESEARCH CENTRE FOR DIAGNOSTIC TECHNOLOGIES**

The lead site of the CRC for Diagnostic Technologies is based in the School of Life Science. The new Commonwealth-funded Cooperative Research Centre brings together the diagnostic and molecular biological expertise and innovation of QUT, La Trobe University, CSIRO (Division of Biomolecular Engineering), the Kolling Institute, and four of Australia’s leading biotechnology and diagnostic development companies: AGEN, Bioclone, PanBio and AMRAD*. This collaborative venture was established to develop new and internationally competitive DNA and protein based generic diagnostic technologies and to apply these new technologies to the diagnosis of important human diseases.

The principal research areas are:
- protein-based diagnostic technology
- nucleic acid-based diagnostic technology
- applications and rapid diagnostic technology.

* subject to Board approval.

**INFORMATION SECURITY RESEARCH CENTRE**

The Information Security Research Centre, formed in July 1988, is a joint venture between industry and QUT’s Faculty of Information Technology. Since 1993 the Centre has been included within the School of Data Communications.

The Centre’s activities focus on the control, management and security of computer systems and networks. Its role is to undertake research, development, consultancy and education activities in this designated area.

The Centre has areas of major research concentration in:
- cryptology
- information security management
- security in telecommunications and computer networks, including electronic data interchange (EDI), electronic funds transfer (EFT), open systems interconnection (OSI), and smart card technology.
- database and operating system security.

The centre supports other areas of research, such as:
- Secure Networks Laboratory (SNL). The SNL contains computer hardware and specialised security equipment to support applied research projects in information security
- reverse engineering and tools for the analysis of software systems as well as computer architecture for secure systems (CASS) in collaboration with the Programming Language Laboratory – School of Computing Science

Since its formation, the Centre has carried out applied research and consultancy for a wide range of organisations in both the public and private sectors concerned with information security. The Centre has established research links with several overseas universities. In addition the Centre has developed its educational role by offering research Masters and PhD programs as well as teaching specialist subjects for postgraduate coursework students.

**Deputy Director:** Associate Professor E. Dawson, BSc, DipEd Wash., MA Syd., MLitStud, MSc Qld, PhD, FTICA, MIEEE, MIACR

**PHYSICAL INFRASTRUCTURE CENTRE**

The Physical Infrastructure Centre (PIC) was established by QUT in 1990 as a national focus for civil engineering research. It is one of QUT’s university centres and provides consultation, continuing education and research services.

The Centre’s aim is to find real world solutions to complex civil engineering problems. With this goal in mind, the Centre works closely with the civil engineering profession, industry and government on key projects that will strengthen and upgrade Australia’s physical infrastructure.
Areas of expertise include:
- transport and transport infrastructure
- structures
- construction and materials
- environmental
- hydraulics and fluids.

Recent research projects include:
- a USA National Research Council project to update the Highway Capacity Manual
- an OECD backed investigation into increasing transport efficiency through bridge/vehicle interactions
- the development of a portal frame building system with Palmer Tube Mills
- numerous projects funded by the Australian Research Council including response of buildings subjected to earthquakes, and the dynamics of highway bridges.

One of the Centre’s major projects is the development of a full-scale research facility at the University’s Carseldine campus. The Carseldine Field Station will allow opportunities for the Centre to engage in large scale collaborative projects with industry. An earthquake testing facility is one component which has been developed on the site.

**Director:** Associate Professor G.H. Brameld, BE(Hons) MEngSc BCom PhD Qld, MIEAust, MIABSE

For further information about the Physical Infrastructure Centre, please contact Associate Professor Gerald Brameld on telephone (07) 3864 2509, fax (07) 3864 1515, or email g.brameld@qut.edu.au.

**SIGNAL PROCESSING RESEARCH CENTRE**

The Signal Processing Research Centre grew from a small research concentration in the rapidly expanding area of signal processing. Established in 1986, the concentration received Faculty Centre status in 1990 and University Centre status in 1991, after the appointment of Professor Boashash as the Professor of Signal Processing and Centre Director.

The Centre supports the majority of research students in the School of Electrical and Electronic Systems Engineering. Signal processing has a wide range of application areas and has undergone explosive growth within the last ten years. The Centre provides an important resource for industry, government, the engineering profession and the community in general. The Centre’s research activities encompass both theoretical and applied aspects of signal processing.

The Centre offers high level technological expertise combined with an ability to apply research for the benefit of the community.

The Centre has three main objectives:
- to remain at the forefront of technological research advances
- to provide stimulating postgraduate education
- to provide clients with state-of-the-art results.

There are 26 PhD candidates and five Masters students currently enrolled with the Centre. The director of the Centre is the general Chairman of the International Symposium on Signal Processing and its Applications (ISSPA) which is held biennially on Queensland’s Gold Coast, and was appointed the Technical Chairman of the International Conference on Acoustics, Speech and Signal Processing (ICASSP 94) which hosted 1328 delegates in April 1994.

The Centre’s researchers are active in the areas of image processing, signal theory and speech processing.

The CRISSP signal theory group has specialised in the areas of algorithm development for efficient signal processing implementation, detection of signals in noise, estimation of signal parameters in a noise-effected environment, sonar, radar and biomedical applications and higher-order spectral analysis.

Speech processing is involved in artificial neural network speech recognition, digital filtering, speaker verification for law enforcement agencies, voice encryption and scrambling and tape recording enhancement.

Image processing and computer vision areas have concentrated on analysis of data in digital images, development of efficient algorithms, enhancement of images for information recovery, robot vision, and computer recognition of three-dimensional objects and interpretation of images.

**Director:** Professor B. Boashash, BE Lyon, MSc PhD Inst. Nat. Poly. Grenoble, SMIEEE, FIREE

The Signal Processing Research Centre maintains its own SPRC WWW pages (http://www.qut.edu.au/~sprc/).
OODGEROO UNIT

The Oodgeroo Unit, a distinct section within the Division of Academic Affairs, performs a range of teaching, research and service functions in the University. A central activity is the recruitment and subsequent academic and counselling support of Aboriginal and Torres Strait Islander students enrolled in degree programs at QUT. Students who are supported by the Unit experience a high rate of success in University programs and later employment.

Aboriginal and Torres Strait Islander students are increasingly enrolling in the whole range of Faculties across QUT, including degree programs in Information Technology, Law, Science, Business, Nursing, Education, Arts, and Social Science. Throughout students’ degree programs, Unit staff support students as they develop their study skills and professional discipline knowledge.

The Unit designs and teaches units in Aboriginal Studies and Aboriginal Education. In addition, staff from the Oodgeroo Unit contribute lectures and workshops to a wide range of degree programs, both at undergraduate and postgraduate level. Through these teaching activities students undertaking QUT courses have the opportunity to learn about cross-cultural issues in Australia.

The Oodgeroo Unit also engages in the professional development of QUT staff in respect to the development of appropriate skills and awareness for working in educational environments of cultural diversity. This function is also extended to the broader society, where the Unit has input in a range of government and community services. Conferences, seminars and workshops offered by the Unit bring benefit to the community.

Research into issues of contemporary concern to Aboriginal and Torres Strait Islander people is a priority activity for the Unit. In this way, the Unit seeks to contribute to the achievement of the goals of the National Aboriginal and Torres Strait Islander Education Policy (NAEP), Reconciliation, Social Justice Policy and Equity Policies.

The Oodgeroo Unit’s central office is located at the Kelvin Grove campus, with service offices on Carseldine and Gardens Point campuses. 

Oodgeroo Unit Manager: Penny Tripcony, BA DipEd Melb.

CHAPLAINCY SERVICES

The University caters for the emotional and spiritual needs of students and staff through the provision of Chaplaincy Services. The Ecumenical Chaplaincy is a joint venture of QUT and the major Christian denominations. There is presently one full-time chaplain and a number of part-time chaplains working at QUT, operating on a schedule of visits to each campus.

Chaplaincy Centres and Chapel

The Chaplaincy Centres are ecumenical, and although the chaplains represent the major Christian denominations, they are available to people of other religions as well. If necessary, they are able to put people in touch with appropriate contacts from different denominations or religions.

The Chaplaincy Centres are a focus for Christians from a diversity of traditions and theological emphases. The purpose is to encourage community spirit and to be a lively influence within each campus. The chaplains aim to relate Christian faith to both personal commitment and to the corporate structures of church and society. Activities include counselling, social gatherings, discussion groups, eucharist, prayer and meditation groups. Chaplaincy can also serve as a bridge across the divisions that may surface in any human institution.

A chapel is available at the Gardens Point campus for quiet prayer, worship services and meetings. There is also a Muslim mosque in a room adjacent to the main chaplaincy rooms.

A chaplain is available at the Chaplaincy Centres below:

Gardens Point campus
Old Government House
near the entrance to the Library
Telephone: (07) 3864 2700

Kelvin Grove campus
Room A222
Main Building
Contact: Gardens Point campus

Carseldine campus
(weekly visit)
Contact Gardens Point campus

COMPUTING SERVICES

Computing Services provide support for information technology across the university. We provide assistance to clients, we support the corporate data of the university and we are responsible for maintaining QUT’s information technology infrastructure and connections from QUT to the rest of the world.

The QUT data network is an important resource that allows clients across the university access to
information and services including:
- using electronic mail within QUT and throughout the world
- connecting to the Internet and its resources
- gaining access to corporate data, and
- using specialised central server machines.

Computing Services supports clients with
- a system to provide for registration and authentication of users, and to help maintain system security
- a Help Desk to provide telephone support for staff and postgraduate students
- student laboratories open 24 hours a day, 7 days a week
- a dial-in connection service
- a Silicon Power Graphics Power Challenge L Supercomputer, and connection to the Queensland Parallel Supercomputing Facility for visualisation of complex data and advanced research work
- a data visualisation and multimedia laboratory
- service counters on all campuses
- training courses for staff and postgraduate students
- a fortnightly newsletter that we send to all staff, to postgraduate students on request, and that we make available on the World Wide Web
- an equipment repair service for equipment owned by QUT, and
- strategic support for Faculties and Divisions.

Computing Services is responsible for support of corporate data systems, such as the Student Information System. Increasingly, we are providing access to these via a “data warehouse”, using the Internet. We ensure that authenticated users have simple and consistent interfaces to this information.

The Department maintains central host computers, data and voice networks and other central equipment. Important items include:
- a large capacity data network, mentioned above
- the university’s voice network, including telephones and faxes
- host computers that support the corporate data systems, email, and Internet access.

For more information on students and computing, buy a copy of the Student Computing Guide (updated annually) from the QUT Bookshop, consult the Computing Services counter on your campus, or read the on-line Computing Services information pages via Netscape.

COUNSELLING AND HEALTH SERVICES

The Department of Counselling and Health is an autonomous professional department of QUT which takes an active role in promoting the personal, career and educational development of students and staff and providing for their health and well-being.

- **Careers and Employment Service**
  The Careers and Employment Service assists enrolled students and recent graduates with a variety of career management issues, such as course and career planning, employment opportunities, job search strategies and further study options. The Service aims to assist students to make informed course and career decisions and to reach their employment goals.

  Services include: individual career and employment counselling; workshops and seminars; careers and employment information; employment interviews; the Graduate Destination Survey; and a Career Resource Centre.

  **Locations:**
  - Gardens Point – Level 2, U Block – (07) 3864 2649
  - Kelvin Grove – Community Building – (07) 3864 3488
  - Carseldine – C Block – (07) 3864 4539

- **International Student Services**
  ISS assists international and migrant students with accommodation, English language tuition, learning skills, visa problems, legal, medical and personal matters.

  Services available include pre-departure briefings, airport reception, orientation programs, promotion of social and cultural activities, introduction to host families, understanding Australian customs, liaison with academic staff, newsletters, support for student associations, women’s groups, training workshops and preparation for returning home.

  **Locations:**
  - Gardens Point – Community Building, lower level – (07) 3864 2019
  - Kelvin Grove – Community Building, upper level – (07) 3864 3488
  - Carseldine – Community Building – (07) 3864 4539

- **Learning House**
  Learning House offers undergraduate and postgraduate seminars and courses to help students improve their learning effectiveness. Individual appointments are available to discuss specific concerns and these can be made through the Counselling Office at Gardens Point or Kelvin Grove.
Learning and writing courses are offered. Seminar topics include study management, note-taking strategies, writing assignments, thinking strategies, improving memory and dealing with examinations.

**Location:**
Kelvin Grove – 48 Blamey St – 3839 6469 or through Counselling.

- **Counselling Service**
The Counselling Section assists with normal development needs. Personal and social matters, educational difficulties, welfare and financial issues, and decision making on future career and personal planning are some of the issues handled by counsellors.

The Counselling Service offers programs designed to aid the development of personal maturity and effective patterns of living, studying and working. These include workshops on communication, assertiveness, and stress management.

Complementing these is a range of general welfare and guidance services including financial aid. Contact with community agencies offering services to students is also provided.

Services are provided by professionally qualified staff. Services are free of charge and available to students (both full- and part-time) and staff at all campuses. All consultations are strictly confidential. Counsellors are available during normal University hours; however, out-of-hours appointments can be arranged.

- **Counselling Services**
  - **Gardens Point campus**
    Lower Level  
    Community Building  
    Telephone: (07) 3864 2383  
  - **Kelvin Grove campus**
    Top Floor  
    Community Building  
    Telephone: (07) 3864 3488

- **Carseldine Campus**
  Level 1  
  Contact Gardens Point campus  
  Telephone: (07) 3864 4539

- **Health Services**
  - **Gardens Point campus**
    Lower Level  
    Community Building  
    Telephone: (07) 3864 2321
  - **Kelvin Grove campus**
    Top Floor  
    Community Building  
    Telephone: (07) 3864 3126

**QUT Health Services**
QUT Health Services are available to all students and staff. Services include:

- **Comprehensive general practice patient-care:** Lifestyle advice, including information on exercise, stress, drugs and sexually transmitted diseases; minor surgery including removal of warts, moles and sunspots; pathology services including blood tests.
- **‘Well-woman’ care:** smear tests, breast examination and contraceptive advice.

**Campus accident and emergency care:** First aid treatment of injury and acute illness occurring on campus.

**Ongoing nursing care:** General advice on health maintenance; continuing care of injuries and minor operations; surveillance of medical conditions such as hypertension, asthma and diabetes; vaccinations and international travel advice; health education information and pamphlets.

Health Services are available on each campus and all consultations are strictly confidential. A Medicare card or Medibank book (for international students) is necessary for medical consultation.

**STUDENTS WITH DISABILITIES / HEALTH PROBLEMS**
Students with disabilities or health problems who may require additional assistance or support during their studies are encouraged to make early contact with the Disability Officer at the Department of Counselling and Health (telephone (07) 3864 4539) or the relevant Course Coordinator. They are also requested to indicate such needs at enrolment. Those with temporary disabilities arising from accidents and illness that may occur during the year should also make known their needs if additional support services are required.

The University seeks to provide appropriate support services for students with disabilities. These may include:

- locating accessible parking for those with mobility problems  
- organising effective learning/study skills workshops  
- scheduling classes in accessible rooms  
- lending special audiovisual equipment  
- assisting with access to library resources  
- arranging lecture material in different formats such as tapes, braille, large print, computer disks
arranging a note-taker to assist in lectures
arranging an interpreter for deaf students
investigating alternative academic assessment procedures.

Early contact should be made with a counsellor or the Course Coordinator to discuss additional needs. Assistance with physical and study facilities and informing appropriate staff of additional needs can be expedited with early notice. An information booklet – A Guide for Students with Disabilities – is available on request.

INTERNATIONAL STUDENTS

The International Students Program

QUT welcomes international students to its three Brisbane campuses. All full-time degree courses offered by QUT are available to international students. QUT also offers a range of preparatory programs to assist international students to meet academic and English language requirements for entry to QUT courses.

An international student is any student who is not a citizen or permanent resident of Australia or a citizen of New Zealand.

There are a number of sections within QUT with specific responsibilities for aspects of the International Students Program.

International Relations Unit
The International Relations Unit is part of the International and Continuing Education Office within the QUT Division of Research and Advancement.

The International Relations Unit is responsible for the international promotion of QUT. Specifically, the Unit:
- coordinates publication and distribution of QUT international promotional material
- arranges for the representation of QUT at international recruitment activities
- manages the University’s relationship with Australian Education Centres, commercial agents, and other relevant private and public sector agencies
- manages the University’s institutional exchange programs
- receives international visitors.

Gardens Point campus
Level 3, U Block
Telephone: (61 7) 3864 1782
Facsimile: (61 7) 3221 0313

The Office of International Students
The Office of International Students is located in the Student Administration Department and is responsible for the administrative aspects of the International Students Program. The Office undertakes the following activities:
- answers all written enquiries and advises students regarding admission and course requirements for all courses including the Foundation and Bridging Programs
- processes all international student applications
- makes all offers and monitors course quotas
- handles all visa related matters
- collects tuition and Medibank payments and administers fee refund policy
- administers international student scholarships.

Application and Enrolment
All international students, except those studying Year 12 in Australia, should apply on a QUT ‘F’ form. Year 12 international students in Australia should apply through the Queensland Tertiary Admissions Centre (QTAC). Applications and general information about entry requirements and tuition fees for all courses may be obtained by writing to the Office of International Students.

All degree students must meet the minimum English language entry requirements of IELTS 6.5 or TOEFL 575 for entry to be confirmed.

Following acceptance of an offer and payment of one semester’s fees and one year’s health cover charges, a student will be issued with a Confirmation of Enrolment to apply for a visa to travel to Australia. Enrolment will be completed during Orientation.

Attendance
To meet student visa regulations, students must fulfil all course requirements. This includes full-time enrolment, defined as 75 per cent or more of a full-time credit load for the course. Special approval must be obtained through the Office of International Students for part-time study.

Fees
Full tuition fees are charged for students enrolled in 75 per cent or more of a full-time credit load. Fees include student guild payments and all international student support services including airport greeting, accommodation service and English language support. International students are exempt from the Higher Education Contribution Scheme (HECS).

Tuition fees must be paid in advance by 26 June for Semester 2, and 10 January for Semester 1 in order for re-enrolment to be confirmed for the following semester. Failure to re-enrol or pay semester tuition fees will result in cancellation of the student visa. The Overseas Student Health Cover (OSHC) charge
must be paid every 12 months before re-enrolment. Students returning to full-time study after a period of absence or exclusion are required to pay tuition fees appropriate at the time of return.

Tuition fees are partially refunded to students who withdraw from their course up to the end of Week 6 of the semester. After that time, no refund is available. Any tuition fees refundable may only be transferred to another educational institution in Australia on production of a letter of offer from that institution or remitted offshore.

Fees for students on approved part-time study are levied pro rata according to the proportion of full-time credit points being studied.

In some limited cases, applicants on temporary resident visas may be allowed to enrol part-time. Fees are levied on a pro rata basis as for other part-time international students.

**Kelvin Grove campus**
Level 1
Community Building
Telephone: (61 7) 3864 3142
Facsimile: (61 7) 3864 3529

**Gardens Point campus**
Level 2
U Block
Telephone: (61 7) 3864 2696
Facsimile: (61 7) 3864 2368

☐ **International Student Services**
Living and studying in a new country require significant adjustment in terms of language, culture and style of learning. In addition to the academic and professional challenges, students experience considerable personal and social development. Because international students do not have their usual sources of support and assistance (family, friends, community groups) available to them, QUT provides extensive support services.

International Students Services is located in the Department of Counselling and Health and is responsible for the following:

☐ conducting pre-departure briefings
☐ arranging on-arrival reception and accommodation
☐ conducting Orientation Programs
☐ offering direct counselling and welfare support
☐ developing student and community support networks
☐ arranging social and cultural activities
☐ offering English as a second language and learning skills support
☐ ensuring preparation for students returning home
☐ assisting graduate employment.

**Gardens Point campus**
Lower Level
Community Building, Y Block
Telephone: (61 7) 3864 2383
Facsimile: (61 7) 3864 1522

**Kelvin Grove campus**
Top Floor
Community Building
Telephone: (61 7) 3864 3488
Facsimile: (61 7) 3864 3349

**Carseldine campus**
Level 2
Community Building
Telephone: (61 7) 3864 4539
Facsimile: (61 7) 3864 4835

☐ **International and Continuing Education Programs**
The International Education Programs’ major function is to help international students to meet QUT entry requirements and improve English language skills. Courses offered include:

☐ the International Foundation and Bridging Program
☐ English language programs (ELICOS).

**QUTs International Foundation and Bridging Program**
The QUT Foundation Programs prepare international students for almost all undergraduate courses at university level. They provide students who do not meet degree entry requirements with an opportunity to gain eligibility for entry into QUT Faculties.

QUT Foundation Program students who attain the minimum results for entry to a degree, as specified by the relevant Faculty, will be guaranteed a place in the QUT degree course for which they have applied.

The Bridging Program is designed for students who plan to study at QUT or at another tertiary institution in an undergraduate or postgraduate program in the following year and who already meet minimum academic admission criteria for their course. The Program is available in Semester 2, commencing in July.

Students will be given an opportunity to:

☐ familiarise themselves with QUT and its facilities, such as libraries and computer systems
☐ develop an understanding of academic and language skills needed for tertiary study in Australia
- undertake IELTS preparation (if necessary)
- study a unit for credit towards their degree
- make friendships and establish a network of contacts
- be in a comprehensive study support program.

**QUT English Language Programs (ELICOS)**

**QUT General English (GE) courses**
General English courses are offered in six-week sessions. Courses cater for students at all levels of English language from elementary to intermediate and advanced.

**QUT English for Academic Purposes (EAP) courses**
The English for Academic Purposes course is offered in twelve-week sessions and caters for students with an advanced level of English who are about to commence a degree program at university.

The EAP program aims to develop specific study and language skills in English needed to undertake academic study successfully in Australia. The course includes an IELTS preparation component.

**QUT English for Business Purposes (EBP) courses**
The English for Business Purposes course is offered in twelve-week sessions and helps students develop their English in business communication. The course caters for a wide variety of students who need to be able to use English effectively for work or business studies.

International Education Programs are on Kelvin Grove campus.

**Further information:**

*Foundation Programs and Bridging Programs*
Telephone: (61 7) 3864 5912
Facsimile: (61 7) 3864 5910

*English Language Programs (ELICOS)*
Telephone: (61 7) 3864 3095
Facsimile: (61 7) 3864 3085

**Other International Short Courses**

Programs have been developed and are conducted for groups of international participants for Queensland agencies, corporations, government departments and overseas universities. QUT Continuing Professional Education will respond quickly to requests for specifically designed training programs from anywhere in the world.

**Gardens Point campus**
Level 4, O Block
Telephone: (61 7) 3864 2196
Facsimile: (61 7) 3864 5160

**QUT FOUNDATION**
The QUT Foundation strengthens relationships between the University and the wider community to extend the quality of QUT’s research and education programs. Through the support of corporations, government, industry, professional bodies and individual donors, the QUT Foundation offers scholarships and prizes to QUT students, and secures funds for teaching and research in cooperation with faculties.

For further information contact (07) 3864 2147.

**QUT ALUMNI**
The Alumni Relations Unit at QUT provides services and programs for graduates to enhance professional development, promote lifelong learning and create opportunities for all graduates to keep in touch with their each other and the university.

Graduates are invited to participate in activities such as the QUT Mentor Scheme which ensures QUT students are in touch with their future peers and employers in the real world.

For further information and application forms contact the Alumni Relations Unit on (07) 3864 2821 or visit the office, Level 3, O Block Podium, Gardens Point campus.

**UNIVERSITY LIBRARY**

Students and staff of QUT have access to a wide range of information resources, assistance and other support services in the University Library. The Library comprises four branch libraries, one at each campus and a separate Law Library at Gardens Point campus.

Local holdings of books,periodicals and multimedia resources have been developed in the University’s teaching and research disciplines. Electronic databases on CD-ROM are available on the Library’s CD-ROM network which is accessible in the Library, across the university in Computing and CBE laboratories and in staff offices. In addition, access to a large number of external online databases and electronic information resources is provided via the Internet and mediated searches.

**Access**

Most of the Library’s collections are arranged on open shelving by subject. Signs explaining the shelving system are displayed in the stack areas.

The local collection can be searched via the online catalogue available within the Library, elsewhere in the University on the network, across the Internet and though dial-up modem connection.

**Membership**

All staff and students (full-time, part-time and
external) are automatically members of the Library and can use any branch library. Identification cards are required whenever and wherever a client borrows. Under an extensive reciprocal borrower scheme, staff and students are also eligible for free membership of Griffith University Library. As well external students may be able to register for reciprocal privileges with a number of tertiary institutions. Details are available from the Loans Desk or the External Services Library.

■ **Hours**

Hours vary from branch to branch and during semester breaks. Current opening hours are available as a recorded message on 3864 2493, through the Library catalogue and are advertised at each location.

■ **Borrowing**

Members can borrow from any branch library except the Law Library which is a reference library only. Required materials not held at a member’s home campus can be requested on intercampus loan for collection at their local campus library. QUT staff and students can also request material for collection at their local campus library from Griffith University Library via the **special reciprocal loans service**.

Staff and postgraduates with special research needs may request materials not held in the Library on **interlibrary loan**. Once registered, eligible members can place requests electronically, twenty-four hours a day from any computer with access to the Library’s WWW Page. Ask at the Document Delivery Counter.

■ **Reserve Collection**

Material in high demand such as lecturers’ notes, textbooks and recommended readings are held in the Reserve Collection and may be borrowed for use in the Library only. Some material is now available in electronic format and is made available on the Electronic Reserve. Details are available at the Loans Desk.

■ **Assistance**

Staff at the Information Desks can answer queries and assist clients in finding and using collections and resources. Information about the Library’s services and collections is available in a variety of formats – lending services brochures and pamphlets, subject guides to information sources and information sheets on special resources are displayed in each library. In addition, the Library’s World Wide Web page can be accessed at http://www.qut.edu.au/library.

■ **Academic and Postgraduate Services**

Through the Library’s liason service, a Librarian works closely with each School, consulting academics and research personnel on the development of collections and service and assisting them on all information issues. This Librarian also assists postgraduates with their information needs.

A Researchers’ Centre, located on Level 7 of Gardens Point Campus Library, provides a range of services to support the information and research needs of academic and postgraduate research students.

■ **Information Literacy Skills**

Instruction in efficient information skills is available through a variety of formal and informal programs. Students should enquire at the Information Desk or ask their lecturers to arrange classes. Staff and postgraduates may contact their School liaison librarian or the User Education Coordinator about Internet training, the Advanced Information Retrieval Skills course and other subject specific classes.

■ **Additional Services**

The Library provides study carrels, seminar rooms, a lecture theatre (Gardens Point Library), audiovisual equipment and quiet talking areas. Self service photocopying and laser printing is available using a debit card system. Cards may be purchased and credit added in the Copying Services areas.

Other services located in some of the libraries include Audiovisual Services and CBE laboratories. The opening hours for these services may differ from the library’s hours. Please check the hours of operation with staff at the specific service point.
PRIZES AND AWARDS

The following list of prizes are subject to final approval by respective donors and may be changed or withdrawn without notice.

UNIVERSITY MEDALS

The University may award medals known as Queensland University of Technology Medals to graduands of certain courses who have achieved an exceptionally high level of performance in their studies.

Eligibility to be considered for the award of a University Medal will be limited to:

- graduands of honours degrees where performance in the related bachelor degree is also taken into account
- graduands of degrees with honours
- graduands of bachelor degrees of at least three years’ normal duration where no honours award is available.

In completing one of the above degrees, graduands must have been enrolled at QUT for at least two years of full-time study or equivalent.

For the award of a medal, a graduand should have reached a distinguished academic standard based on a grade point average in all units and in a thesis where such is required. The standard should be at a higher level than would normally be expected from an excellent graduand. The medal should be testimony that the recipient not only shows exceptional academic promise at the time of the award, but also exhibits a distinguished record of achievement throughout the whole of the degree.

Because the University Medal is awarded only for outstanding achievement, University Academic Board has indicated as a guide to faculties that the proportion of graduands who may receive medals in any year should normally be not more than one per 200 bachelor-level graduands (or part thereof) per faculty. It is possible that in some years faculties would choose not to recommend a medallist.

The award is a silver medallion, suitably embossed and inscribed, together with a certificate attesting the award. The medallion is five centimetres square with rounded corners. The QUT logo is embossed one side and the reverse carries an inscription citing the year of the award and the name of the awardee. Further details may be placed on the certificate.

Awards are made at April/May graduation ceremonies.

FACULTY OF ARTS

4MBS QUT Prize
Awarded to the music student who gives the best performance of a distinctly twentieth-century music composition at the annual competition in October.

Australian Academy of Music Composition Prize (Instrumental)
Awarded for the best instrumental composition in a jazz or popular style, following the annual competition for music students held in second semester.

Australian Academy of Music Composition Prize (Vocal)
Awarded for the best composition in a jazz or popular style, following the annual competition for music students held in second semester.

Brisbane Commercial Radio Stations Prize
Awarded in conjunction with the Faculty of Business, this prize is donated by the Federation of Australian Radio Broadcasters and awarded to the Bachelor of Business (Journalism) or Bachelor of Arts (Journalism) graduand who achieved the best overall results in radio broadcasting units.

BTQ Channel 7 Scholarship
In conjunction with the Faculty of Business this prize is awarded to a student specialising in the communication or media fields – advertising, film and television production, journalism, media studies, organisational communication or public relations. Students must have completed second year full-time (or its equivalent), be undertaking a major in one of the communication or media areas and have enrolled to study third year full-time at QUT.

Country Press Award
In conjunction with the Faculty of Business this award is donated by the Queensland Country Press Association and awarded to the student who achieves the best academic result in the unit MJB224 Feature Writing.

Dorothy Birt Memorial Prize
Awarded to the most outstanding student enrolled in the Master of Arts (Visual Arts) in the area of textiles.

Federation of Australian Radio Broadcasters Prize
In conjunction with the Faculty of Business:

- Awarded to the student who achieves the highest grade in the radio segment of the unit MJB338 Radio and Television Journalism 2.
- Awarded to the student who achieves the highest
standard in COB305 Advertising Copywriting – Electronic.

**Robert and Kay Bryan/Jack Manton Art Prize**
Awarded to the final year student of the Bachelor of Arts (Visual Arts) who submits the most outstanding work in one or more studio areas.

**Charles Hall Scholarship**
Awarded:
- to the music student with the highest GPA in first year
- to the music student with the highest GPA in second year.

**MIM Holdings Ltd Prize**
In conjunction with the Faculty of Business this prize is awarded to the student of the Bachelor of Business (Journalism) or Bachelor of Arts (Journalism) course who obtains the best overall result in this course.

**QUT/QYO Concerto Prize**
Awarded to the Music student who best performs a concerto movement or a work for soloist and orchestra.

**The Courier-Mail Prize for Journalism**
In conjunction with the Faculty of Business this prize is donated by Queensland Newspapers Pty Ltd and awarded to the graduating student with the best overall performance in the Bachelor of Business (Journalism) or Bachelor of Arts (Journalism) degree.

**FACULTY OF BUILT ENVIRONMENT AND ENGINEERING**
The following list is subject to final approval by the respective donors. Prizes and awards may be changed or withdrawn without notice. Please contact the Faculty Prizes Officer on 3864-1532 for further information.

The majority of prizes awarded to students in the Faculty of Built Environment and Engineering are determined on the basis of excellence in units nominated by the prize donor. In most instances students do not apply for the awards unless otherwise stated.

* indicates those prizes for which students are required to apply in order to be considered.

**A.G. Scott Memorial Prize**
Donated by Mr and Mrs R W Scott in memory of their son, Mr A.G. Scott, a graduate of the Bachelor of Engineering (Mechanical). The prize is awarded annually to a final-year student in the Bachelor of Engineering (Mechanical) who demonstrates the greatest improvement in innovative ability and competence in mechanical engineering design or attains the best overall performance in design work.

**Andrew Brock Memorial Prize**
Donated by the staff of Utah Development Company (now BHP Mining) in memory of Andrew Brock and awarded to the student with the best performance in the second year of the Bachelor of Built Environment.

**Association of Public Authority Surveyors Prize**
Awarded to the Bachelor of Surveying first-year student who obtains the best academic result in the unit PSB325 Land Surveying 1.

**AURISA (Queensland Chapter) Prizes**
Donated by the Australian Urban and Regional Information System Association (Queensland Chapter) and awarded to:
- the student in the Bachelor of Surveying with the best result in the unit PSB342 Spatial Information Science 1
- the surveying student with the best project result in the field of Spatial Information Science.

**Australian Asphalt Pavement Association (Queensland Branch) Prizes**
Awarded:
- to the student in the Bachelor of Engineering (Civil) with the best overall performance in the unit CEB211 Highway Engineering
- to the student in the Bachelor of Engineering (Civil) with the best overall performance in the unit CEB506 Pavement Design and Rehabilitation Techniques
- to the student in the Bachelor of Engineering (Civil) for the best design in flexible pavements in the unit CEB211 Highway Engineering.

**Australian Institute of Building, Queensland Chapter Prize**
Awarded to the student with the best academic achievement (Course GPA) in the Bachelor of Applied Science (Construction Management) who has completed the equivalent of two years full time of the course.

**Mapping Sciences Institute, Australia (Queensland Division) Prize**
Awarded to a student of the Bachelor of Surveying with the best performance in the unit PSB309 Cartography 4.

**Australian Institute of Project Management, Queensland Chapter Prizes**
Awarded:
- to the Graduate Diploma in Project Management student with the best performance in the course
- to the Master of Project Management student with the best dissertation.
Australian Institute of Quantity Surveyors (Queensland Chapter)/David McNeill Memorial Award
Awarded to the final-year student of the Bachelor of Applied Science (Quantity Surveying) who shows the highest standard of proficiency in quantity surveying expertise.

Australian Institute of Valuers and Land Economists (Queensland Division) Prize
Awarded to the student with the best performance in the final year of the Bachelor of Applied Science (Property Economics).

Australian Road Federation (Queensland Region) – Road Study Award
Awarded to a student in the Bachelor of Engineering (Civil) who prepares the best assignment in the unit CEB512 Transport Engineering 1.

Australian Water and Wastewater Association/Don King-Scott Memorial Prize*
Donated by the Queensland Division of the Australian Water and Wastewater Association in memory of Don King-Scott’s contribution to public health engineering in Queensland. The prize is awarded to a postgraduate student undertaking studies on a water-based project or research. Students must submit a dissertation in competition with students from four other universities.

Board of Architects of Queensland Prizes
Awarded:
☐ to the student who shows the greatest proficiency during the first three years of the architecture courses
☐ to the student who shows the greatest proficiency on graduation from the Bachelor of Architecture.

Built Environment and Engineering Student Seminar Awards/Dean’s Seminar Award
Awarded to a final-year student of an undergraduate degree in the Faculty of Built Environment and Engineering for excellence in the presentation of a seminar. The seminar may be based on final-year project work or on an industry-related project. Participants will be selected at a school level to represent their respective discipline. A judging panel will select an overall winner at an evening presentation of the seminars.

Chartered Institute of Transport (Qld) Prize
Awarded to a final-year student of the Bachelor of Engineering (Civil) who obtains the highest mark in the unit CEB511 Transport Engineering 2.

CMPS & F Engineering Bursary*
Donated by CMPS & F Pty Ltd and awarded to the student who, on completion of the second year of a Bachelor of Engineering, has the potential to become a useful member of the engineering profession. The bursary provides financial assistance and work experience for the recipient in the third and fourth years of their course. Selection of the successful candidate is determined by an interview panel comprising representatives from CMPS & F Pty Ltd and the Faculty of Built Environment and Engineering.

Cottrell Cameron and Steen Surveys Pty Ltd Prize
Awarded to the student in the Bachelor of Surveying or the Bachelor of Surveying/ Bachelor of Information Technology who obtains the best result in the units PSB335 Photogrammetry 2 and PSB336 Photogrammetry 3.

Dean’s Awards For Excellence
Awarded to the top graduand in each undergraduate course in the Faculty of Built Environment and Engineering.

Dean’s Bursary
Six scholarships will be awarded by the Dean of Faculty to one student from each of the Faculty’s six schools:
☐ School of Architecture, Interior and Industrial Design
☐ School of Civil Engineering
☐ School of Construction Management
☐ School of Electrical and Electronic Systems Engineering
☐ School of Mechanical, Manufacturing and Medical Engineering
☐ School of Planning, Landscape Architecture and Surveying

To be eligible, the applicant must have completed Year 12 at an Australian secondary school during 1996; been accepted for enrolment in a bachelor degree in one of the Faculty’s six schools; and achieved an OP (Overall Position) of 1 or 2. Selection is based on a student’s OP, results in the pre-requisite subjects, as well as leadership roles in school and community activities. An interview may be held. Contact the Faculty Prizes Officer or the relevant School office for details. Applications must be lodged by 1 March 1997.

QUT shall not require an award holder to render any service to the University, either during the tenure of the award or upon its completion, as a condition of receipt of the award.

Dean’s List
At the end of each semester a Dean’s List, comprising the names of students achieving a semester GPA (Grade Point Average) of 6.50 or
better, will be published. The list will be posted on School and Faculty notice boards. Those admitted to the Dean’s List of students with Excellent Academic Performance will receive a certificate in recognition of their achievement.

**Department of Lands Prize for Dux of the Course**
Awarded to the graduate who achieves the highest aggregate mark in the Graduate Diploma in Surveying Practice.

**Design Institute of Australia Award**
Awarded to the outstanding student in Product Design in the final year of the Graduate Diploma in Industrial Design.

**Department of Main Roads Prize for Engineering and Detail Surveying**
Awarded to the graduate of the Graduate Diploma in Surveying Practice who has achieved a high level of proficiency and demonstrated significant potential in Engineering and Detail Surveying.

**DSTO Microwave Radar Undergraduate Prize**
Awarded to the final-year student in the Bachelor of Engineering (Electrical and Computer Engineering) or (Aerospace Avionics), or the Bachelor of Engineering (Electronics)/Bachelor of Information Technology who submits a final-year project of exceptional merit in an area of technology relevant to microwave radar.

**Electric Energy Prize**
Donated by SEQEB and awarded to the Bachelor of Engineering (Electrical and Computer Engineering) student with the best performance in designated units relevant to electric energy.

**Esso Engineering Achievement Awards**
Esso Australia Ltd award information and criteria will be provided during the year. The awards are typically presented to third year students who demonstrate both technical and leadership abilities.

**Fulton Gilmour Trotter Moss Research Award**
Awarded to a student who demonstrates a high level of potential in fifth-year Architectural research.

**Golder Associates Geotechnical Engineering Studies Award**
Donated by Golder Associates Pty Ltd and awarded to a student of the Bachelor of Engineering (Civil) who has obtained high aggregate marks for the units ESB229 Geology in the Built Environment, CEB240 Soil Mechanics 1 and CEB241 Soil Mechanics 2 and, in addition, is interested in working in geotechnical engineering and is seen to have the personal skills and attributes required for advancement within that field.

**James Hardie Pipeline Awards***
Awarded to a student enrolled in the penultimate year of the Bachelor of Engineering (Civil) and the Bachelor of Technology (Civil). The awards are made on the basis of academic performance in units related to water engineering or engineering projects and practice, together with consideration of the students’ interests and involvement in engineering practice and activities both within the University and the community.

**Hastings Deering Bursary***
Awarded to a third-year student in the Bachelor of Engineering (Mechanical). Criteria include academic achievement and a demonstrated interest in equipment maintenance and its importance in today’s mining environment.

**Heilbronn and Partners Pty Ltd Prize**
Awarded to the student with the highest result in the unit PSB322 Land Development Practice 3 in the Bachelor of Surveying.

**Heilbronn and Partners Pty Ltd Prize for Survey Project Management**
Awarded to the graduate of the Graduate Diploma in Surveying Practice who has achieved a high level of proficiency and demonstrated significant potential in Survey Project Management.

**Incitec Scholarship***
Available to third year Bachelor of Engineering (Mechanical) students for use during their final year of study. Criteria include academic merit, career ambitions, communication skills and extra-curricula interests.

**Institute for Drafting and Design Australia Prize**
Awarded to a graduate of the full-time Bachelor of Technology who obtains the best results in any four engineering drawing and design units.

**Institution of Electrical Engineers Prize**
Awarded to the Honours student submitting the best project in the final year of either the Bachelor of Engineering (Electrical and Computer Engineering) or (Aerospace Avionics) or the Bachelor of Engineering (Electronics)/Bachelor of Information Technology.

**Institution of Engineers, Australia – J.H. Curtis Award**
Awarded to a student enrolled in the Bachelor of Engineering (Civil) and the Bachelor of Technology (Civil). The awards are made on the basis of academic performance in units related to water engineering or engineering projects and practice, together with consideration of the students’ interests and involvement in engineering practice and activities both within the University and the community.

**Institution of Engineers, Australia – Electrical College Student Award**
Awarded to the final-year student in the Bachelor of Engineering (Electrical and Computer Engineering)
or (Aerospace Avionics) or the Bachelor of Engineering (Electronics)/Bachelor of Information Technology with the highest grade point average who is also a student member of the Institution of Engineers, Australia.

**Institution of Surveyors, Australia (Queensland Division) – N.J. Neilson Prize**
Awarded to a third-year student of the Bachelor of Surveying who is most proficient in practical as well as academic work.

**Institution of Surveyors, Australia (Queensland Division) – S.E. Reilly Prize**
Awarded to the final-year student of the Bachelor of Surveying who is judged most proficient in practical work as well as academic work, taking into account community spirit as displayed by willingness to take part in activities outside the scope of the formal degree course.

**Institution of Surveyors, Australia (Queensland Division) Prize for Professional Practice**
Awarded to the graduate of the Graduate Diploma in Surveying Practice who has demonstrated a thorough understanding of the legal responsibilities of surveyors, a high level of professionalism and a commitment to working for the furtherance of the profession.

**IREE – MITEC Award**
Donated by the Institution of Radio and Electronics Engineers Australia (Brisbane Division) and MITEC Australia Ltd and awarded to the graduating student of the Bachelor of Engineering (Electrical and Computer Engineering) or (Aerospace Avionics) with the best performance in units relating to electronics and communications.

**Jasco Pty Ltd Prize**
Awarded to the Bachelor of Technology (Mechanical) student with the best performance in the unit MEB773 Design for Manufacturing 1.

**John Grayson Pike Memorial Prize for Cadastral Surveying**
Donated by the Association of Consulting Surveyors (Queensland) and Pike Mirls McKnoulty Pty Ltd and awarded to the graduating student of the Graduate Diploma in Surveying Practice who has achieved a high level of proficiency and demonstrated significant potential in cadastral surveying.

**John Kindler Memorial Prize**
Awarded in memory of Mr John Kindler, former Chief Engineer in the Co-ordinator General’s Department, to a graduate of an Engineering degree course for outstanding performance throughout the course. Selection is based not only on academic achievement, but requires an involvement in sport, campus and general community activities, concern for and relation with peers and a mature approach to their potential as a graduate. Candidates must attend a personal interview.

**Jones Lang Wootton (Qld) Pty Limited Prize for Commercial Property**
Awarded to the student with the most outstanding performance in the unit CNB564 Valuation 7 in the Bachelor of Applied Science (Property Economics).

**Lawson Surveys Prize**
Awarded to the student in the second year of the Bachelor of Surveying who demonstrates the highest level of achievement in practical work in the units PSB328 Land Surveying 4 and PSB329 Land Surveying 5.

**Karl Langer Memorial Award**
Donated by the Australian Institute of Landscape Architects and awarded to a student in the Graduate Diploma in Landscape Architecture who, in the opinion of the adjudicators, shows marked potential for the practice of landscape architecture.

**Keiller Fox and McGhie Pty Ltd Prize for Mapping**
Awarded to the graduate of the Graduate Diploma in Surveying Practice who has achieved a high level of proficiency and demonstrated significant potential in mapping.

**Leica Instruments Pty Limited Prize**
Awarded to the student with the best performance in the unit PSB306 Cartography 1 in the Bachelor of Surveying or the Bachelor of Surveying/Bachelor of Information Technology.

**Local Government Engineering Prize**
Donated by the Queensland Foundation for Local Government Engineering and awarded to the graduating Bachelor of Engineering (Civil) student who obtains the best overall performance in the units CEB405 Civil Engineering Design 2, CEB313 Traffic Engineering, CEB371 Water and Waste Water Systems, CEB305 Construction Planning and Economics and, where appropriate, CEB401 Design Project and/or electives.

**James Hardie Window Prize**
Awarded to the student who obtains the highest mark in the unit FNB116 Financial Management for Engineers in the final year of the Bachelor of Engineering (Mechanical).

**Michael P. Schloman Memorial Prize in Built Environment**
Donated by Astra Panels Pty Ltd and awarded to a student undertaking the Bachelor of Built Environment who, at the first attempt, shows the greatest overall proficiency in the first-year units of the course.
MIM Holdings Limited Prize – Engineering
Awarded to a final-year student in a Bachelor of Engineering course who undertakes a project of benefit to MIM Holdings Limited and/or the mining industry and which is judged to be of a high academic standard.

Minister for Local Government and Planning – Town Planning Prize
Awarded to the final-year student in the Graduate Diploma in Urban and Regional Planning whose thesis is considered to contribute most towards the advancement of town planning in the area of local government.

National Trust Historic Building Prizes
Awarded to two final-year students, one from the School of Architecture, Interior and Industrial Design and one from the School of Planning, Landscape Architecture and Surveying, for a thesis (or project) study of an historic building or precinct related to Queensland.

Neville Lund Memorial Prize
Awarded to the student in the final year of the Bachelor of Built Environment (Landscape Architecture or Urban and Regional Planning major) for the best project in integrated environmental design.

Noel Robinson Architects Prize
Awarded to the Dux of the sixth year of the Bachelor of Architecture, determined by the best overall grade point average.

Norman Disney and Young Prize for Property Management
Awarded to a Bachelor of Applied Science (Property Economics) student with the most outstanding performance in the units CNB665 Property Management 1 and CNB666 Property Management 2.

Paddy Behan Memorial Prize – Design in Landscape Architecture
Donated by the Local Government Association of Queensland and awarded to the student in the Graduate Diploma in Landscape Architecture who shows the most outstanding ability in the final-year unit PSP217 Landscape Design.

Paddy Behan Memorial Prize – Planning Study
Donated by the Local Government Association of Queensland and awarded to the student enrolled in the Master of Urban and Regional Planning, with the best performance in the unit PSN212 Research Project 2.

Peter McAnally Memorial Prize
Donated by the staff of the School of Civil Engineering in memory of their esteemed colleague and lecturer in geotechnical engineering and awarded to the best student in the elective units CEB541 Geotechnical Engineering 2 and CEB542 Geotechnical Engineering 3.

President, Surveyors Board, Prize for Leadership and Innovation
Donated jointly by the Surveyors Board of Queensland and the School of Planning, Landscape Architecture and Surveying and awarded to the graduate of the Graduate Diploma in Surveying Practice who has exhibited leadership skills and demonstrated a capacity to look to the future and who has the potential to provide leadership in innovative technology.

Queensland Cement Limited Scholarship*
Available to undergraduate students who have completed semester one of their second last year of study. Criteria include academic merit, career ambitions, communication skills and extra-curricula interests.

Queensland Cement Limited Prize
Awarded to the student with the best academic achievement in the Bachelor of Applied Science (Construction Management) who has completed the equivalent of three years full-time of the course.

Queensland Department of Transport Prizes
These prizes are awarded to officers of the Queensland Department of Transport in attendance at this University with the best performance in the Bachelor of Engineering (Civil) – Part-Time, and the Bachelor of Technology (Civil) – Cadet Draftsperson.

Queensland Electronic Development Association Prize
Awarded to the student in the Bachelor of Engineering (Electrical and Computer Engineering) or (Aerospace Avionics) or the Bachelor of Engineering (Electronics)/Bachelor of Information Technology with the best performance in the units EEB820 Engineering Management and EEB821 Production Technology and Quality.

RACQ Prize in Highway Engineering
Donated by the Royal Automobile Club of Queensland and awarded to the final-year student in the Bachelor of Engineering (Civil) who attains the highest average marks in highway, traffic and transportation units, including any related final-year project.

REIQ Prize in Property Economics
Donated by The Real Estate Institute of Queensland Ltd and awarded to a first year student of the Bachelor of Applied Science (Property Economics) with the best academic achievement.
Rider Hunt Research Prize for Quantity Surveying
Awarded to the student in the Bachelor of Applied Science (Quantity Surveying) who has submitted the research paper judged to have the highest standard both in content and presentation, on a topic related to the quantity surveying profession.

Robert S. Brodribb Memorial Prize
Donated by the Institute of Municipal Engineering Australia (Queensland Division Inc) and Mrs R.S. Brodribb and awarded to the student who exhibits the most outstanding performance in those units related to the Local Government Engineering major within the Graduate Diploma in Municipal Engineering or the Master of Engineering Science (Civil) courses.

Rocla Prize
Donated by Rocla Pipeline Products and awarded to the Bachelor of Engineering (Civil) third-year student who achieves the best academic results from both the final examination and class assignment in the units CEB305 Construction Planning and Economics 1 and CEB307 Construction Practice. The selected student must show an aptitude for construction management.

Royal Australian Institute of Architects – QIA Medallion
Awarded to the most outstanding student in the sixth year of the Bachelor of Architecture. The student must have shown consistent progress throughout the course.

Royal Australian Planning Institute Prizes
Awarded:
☐ to the final-year student with the best overall performance in the Graduate Diploma in Urban and Regional Planning
☐ for the best performance by a final-year student in either the Urban and Regional Planning or Landscape Architecture strand of the Bachelor of Built Environment
☐ to the student in the first year of the Graduate Diploma in Urban and Regional Planning who, in the opinion of the Head of School, has achieved the best overall performance for the year
☐ to the student in the second year of the Graduate Diploma in Urban and Regional Planning who, in the opinion of the Head of School, has achieved the best overall performance for the year.

School of Electrical and Electronic Systems Engineering Course Coordinator’s Prizes
Awarded to:
☐ a Bachelor of Engineering (Electrical and Computer Engineering) student with the best academic achievement (overall course GPA) enrolled in the unit EEB101 Circuits & Measurements.
☐ a Bachelor of Engineering (Electrical and Computer Engineering) student with the best academic achievement (overall course GPA) enrolled in the unit EEB375 Electronics 1.
☐ a Bachelor of Engineering (Electrical and Computer Engineering) student with the best academic achievement (overall course GPA) enrolled in the unit EEB591 Systems Programming Languages.
☐ a Bachelor of Engineering (Aerospace Avionics) student with the best academic achievement (overall course GPA) enrolled in the unit EEB101 Circuits & Measurements.
☐ a Bachelor of Engineering (Aerospace Avionics) student with the best academic achievement (overall course GPA) enrolled in the unit EEB375 Electronics 1.
☐ a Bachelor of Engineering (Aerospace Avionics) student with the best academic achievement (overall course GPA) enrolled in the unit MAB893 Engineering Mathematics 3.
☐ a Bachelor of Engineering (Electronics)/Bachelor of Information Technology student with the best academic achievement (overall course GPA) enrolled in the unit EEB101 Circuits & Measurements.
☐ a Bachelor of Engineering (Electronics)/Bachelor of Information Technology student with the best academic achievement (overall course GPA) enrolled in the unit EEB375 Electronics 1.
☐ a Bachelor of Engineering (Aerospace Avionics) student with the best academic achievement (overall course GPA) enrolled in the unit EEB101 Circuits & Measurements.

Society for Growing Australian Plants Prize
Donated by the Society for Growing Australian Plants (Queensland Region) Inc and awarded to a
student in the Graduate Diploma in Landscape Architecture for the best design using Australian native plants.

**Society of Engineering Associates Award**  
Awarded to an outstanding graduate of a Bachelor of Technology course.

**Society of Manufacturing Engineers Prize**  
Awarded to the full-time student in the Bachelor of Engineering (Manufacturing Systems)/Bachelor of Business (Marketing) who submits the best project in the unit MEB901 Industry Project.

**Suncorp Property Economics Prize**  
Donated by Suncorp Insurance and Finance and awarded to the student in the Bachelor of Applied Science (Property Economics) with the most outstanding performance in the units CNB465 Property Investment Analysis 1 and CNB466 Property Investment Analysis 2.

**Surveying Staff Prize**  
Donated by the staff of the Discipline of Surveying and awarded to the student in the Bachelor of Surveying who completes second year with the highest result in the unit PSB317 Land Administration 3.

**Telecom Engineering Prize**  
Awarded to the third-year full-time student in the Bachelor of Engineering (Electrical and Computer Engineering) or (Aerospace Avionics) or the Bachelor of Engineering (Electronics)/Bachelor of Information Technology completing the unit EEB661 Information Theory and Noise at the first attempt, who achieves the highest semester GPA in the semester in which EEB661 is completed.

**The Institute of Metals and Materials Australasia Prize**  
Awarded to the student who achieves the highest marks in the first semester elective unit, MEB532 Advanced Materials.

**Urban Design Advisory Council Surveying Prize**  
Donated from a fund established by the Urban Design Advisory Council and awarded to the student enrolled in the Bachelor of Applied Science (Surveying) who produces the best urban design in the final year of the course.

**Urban Design Advisory Council Town Planning Prize**  
Donated from a fund established by the Urban Design Advisory Council and awarded to the student in the Master of Urban and Regional Planning with the best performance in the unit PSN221 Advanced Specialisation.

**Woods Bagot Bursary in Interior Design**  
Awarded to a continuing student of academic excellence following the first two years in interior design, with high achievement in the unit ARB460 Interior Design 2, and with an ability to recognise the relationship between academic studies and the needs of the profession in interior design.

**Woods Bagot Bursary in Architecture**  
Awarded to a continuing student of academic excellence following the first three years in architecture, with high achievement in the unit ARB006 Architectural Design 6, and with an ability to recognise the relationship between academic studies and the needs of the profession in architecture.

**FACULTY OF BUSINESS**

The following list of prizes is subject to final approval by respective donors and may be changed or withdrawn without notice.

* Bursaries and scholarships for which students are required to apply to be considered are starred.

**Accountancy Placements Prize**  
Awarded annually to the student enrolled in the Bachelor of Business who attempts, for the first time, the unit AYB225 Management Accounting I and achieves the best academic result.

**Advertising Institute of Australia Prize**  
Awarded to the Bachelor of Business (Communication) graduand who achieves the highest aggregate marks in the six unit advertising specialisation.

**AMP Society Award**  
Awarded to two students enrolled full-time in the Bachelor of Business (Accountancy) on completion of their first semester in their second year of study. Selection is initially based on academic achievement. Students then undertake an interview designed to assess motivation, communication, interpersonal skills and initiative.

**Ansett Airlines/CTTIA Prize for Transport and Communication Economics**  
Awarded to the Bachelor of Business student who achieves the best academic result in the unit EFB217 Transport and Communication Economics.

**The Arthur Andersen Leadership Scholarships**  
Awarded to two students enrolled full-time in the Bachelor of Business (Accountancy)/Bachelor of Laws on completion of their first semester in their fourth year of study. Selection is initially based on academic achievement. Students then undertake
an interview designed to assess motivation, communication, interpersonal skills and initiative.

**Association of Taxation and Management Accountants Prizes**
Awarded:

- to the top two Bachelor of Business students majoring in Accountancy who achieve the best academic results in the units AYB225 Management Accounting I and AYB226 Management Accounting II
- to the student undertaking the Accountancy extended major, enrolled in the Bachelor of Business degree, who achieves the best academic result in the unit AYB325 Taxation Law
- to the Bachelor of Business student, majoring in Accountancy, with the best performance in AYB326 Taxation of Business Entities.

**Australian Association of National Advertisers Prize**
Awarded to a graduand of the Bachelor of Business (Communication) specialising in Advertising who attains the most meritorious overall results in the six specialisation units studied.

**Australian Human Resources Institute Prizes**
Awarded:

- to the second-year student with the best overall performance in the Bachelor of Business (Human Resource Management) course
- to the graduating student with the best overall performance in the Bachelor of Business (Human Resource Management) course.

**Australian Institute of Management Prizes**
Awarded:

- to the Bachelor of Business (Management) student for high achievement on completion of units which comprise the first full-time year of the Bachelor of Business
- to the Bachelor of Business (Management) student for consistently high achievement on completion of units which comprise the second full-time year of the Bachelor of Business.

**Australian Society of Certified Practising Accountants Prizes**

- To qualify, a student must be studying the Bachelor of Business course majoring in Accountancy or Banking and Finance full-time for the first time. The student must pass at least eight units in the first year of enrolment including BSB110 Accounting, AYB121 Financial Accounting, and AYB120 Business Law. The student with the best grade point average over the eight units is the recipient of the prize.
- To qualify, a student must have studied Accountancy full-time over the previous two years and have completed at least 16 units. The second-year student with the greatest grade point average over the best eight units studied in the second year of enrolment is the recipient of the prize.
- Awarded to the full-time graduating student in the Bachelor of Business course majoring in Accountancy or Banking and Finance, who completes the course in minimum time, who is eligible for membership of the Australian Society of Certified Practising Accountants and who has the best grade point average.

**Australian Stock Exchange Prize**
Awarded to the student/s undertaking COB316 Government and Financial Relations for the highest award in the financial relations program.

**Brisbane Commercial Radio Stations Prize**
In conjunction with the Faculty of Arts, this prize is donated by the Federation of Australian Radio Broadcasters and awarded to the Bachelor of Business (Journalism) or Bachelor of Arts (Journalism) graduand who achieves the best overall results in radio broadcasting units.

**BTQ Channel 7 Scholarship**
In conjunction with the Faculty of Arts this prize is awarded to a student specialising in the communication or media fields – advertising, film and television production, journalism, media studies, organisational communication or public relations. Students must have completed second year full-time (or its equivalent), be undertaking a major in one of the communication or media areas and have enrolled to study third year full-time at QUT.

**Butterworths Book Prizes**
Awarded:

- to the student who achieves the best academic result in the unit EFB310 Financial Institutions – Control
- to the student who achieves the best academic result in the unit AYB311 Financial Accounting Theory
- to the student who achieves the best academic result in the unit AYB120 Business Law
- to the student who achieves the best academic result in the unit MGB207 Managing Human Resources.

**Castlemaine Perkins Bursary**
Awarded to a second-year Bachelor of Business student specialising in advertising, marketing, or public relations on the basis of academic merit and economic need.
Chartered Institute of Management Accountants Prize
Awarded to a student in the Bachelor of Business (Accountancy) degree who, at the first attempt, obtains the best results in AYB226 Management Accounting II.

Coca-Cola Bottlers Bursary*
Awarded to a first-year Bachelor of Business student on the basis of academic merit and economic need.

Commonwealth Bank Award
Awarded to the Bachelor of Business student who, at the first attempt, achieves the best academic result in the unit EFB103 Macroeconomics.

Coopers and Lybrand Prizes
Awarded:
☐ to the student enrolled in the Bachelor of Business majoring in Accountancy or Banking and Finance who attempts, for the first time, the unit AYB220 Company Accounting and achieves the best academic result
☐ to the student enrolled in the Bachelor of Business (Accountancy) course who attempts, for the first time, the unit AYB301 Auditing and achieves the best academic result.

Country Press Award
In conjunction with the Faculty of Arts this award is donated by the Queensland Country Press Association and awarded to the student who achieves the best academic result in the unit MJB224 Feature Writing.

The Courier-Mail Prize for Journalism
In conjunction with the Faculty of Arts this prize is donated by Queensland Newspapers Pty Ltd and awarded to the graduating student with the best overall performance in the Bachelor of Business (Journalism) or Bachelor of Arts (Journalism) degree.

Dean’s Award for Excellence
Awarded to the students who obtain a Grade Point Average that signifies that they have excelled in their course of study. Given the nature of the award, the Dean may under his discretion set a minimum standard of academic performance for receiving this award. The award is offered for all undergraduate and postgraduate degree courses of the Faculty of Business.

Douglas Heck Award
Awarded to the graduand in the Bachelor of Business majoring in Accountancy who, in each calendar year, passes the units AYB225 Management Accounting I and AYB226 Management Accounting II for the first time and obtains the highest average grade over the two units.

Economic Society of Australia (Queensland) Inc Prize
Awarded to the graduating full-time student with the best overall performance in the Bachelor of Business (Economics) degree.

Federation of Australian Radio Broadcasters Grant
In conjunction with the Faculty of Arts:
☐ awarded to the student who achieves the highest grade in the radio segment of the unit MJB338 Radio and Television Journalism II
☐ awarded to the student who achieves the highest standard in COB305 Advertising Copywriting – Electronic.

Golden Casket Lottery Corporation Strategic Marketing Prize
Awarded annually to the third-year student enrolled in the Bachelor of Business (Marketing) who achieves the best academic result in the unit MIB315 Strategic Marketing.

Harts Prize
Awarded to the student who completes the most innovative project in the unit AYB311 Financial Accounting Theory.

Human Resource Management Group Prize
Awarded to the Bachelor of Business student who, at the first attempt, achieves the best academic result in the unit MGB305 Human Resource Management Strategy and Policy.

ICI Australia Ltd Prize
Awarded to the final-year student enrolled in the Bachelor of Business (Marketing) who achieves the best overall performance.

Incitec Scholarship*
Awarded to a second-year Bachelor of Business (Management) student for their third year of study.

Information Systems Audit and Control Association Prize
Awarded annually to the student who achieves the highest mark at the first attempt in the unit AYB309 Computer Security and Audit.

Institute of Chartered Accountants, Australia Prize
Awarded to the full-time graduating Bachelor of Business (Accountancy) student who takes the units AYB311 Financial Accounting Theory, AYB301 Auditing and AYB325 Taxation Law for the first time and obtains the highest aggregate pass in all three areas.

Institute of Financial Services Prize
Awarded to the Bachelor of Business student majoring in Banking and Finance who achieves the
highest overall result in the unit EFB201 Australian Financial Markets.

The Institute Prize
Awarded annually to the student who obtains the highest aggregate marks in the unit EFB311 Financial Institutions – Lending.

J.F. Storr Prize
Donated by the Australian Society of Certified Practising Accountants and awarded at intervals to the part-time student who, being a member of the Australian Society of Certified Practising Accountants and a Queensland resident, takes the unit AYN503 Managerial Accounting Honours for the first time and achieves the best academic result.

KPMG Prizes
Awarded:
☐ to the full-time or part-time Bachelor of Business student majoring in Accountancy or Banking and Finance who, at the first attempt, achieves the best academic result in the unit AYB121 Financial Accounting
☐ to the full-time or part-time Bachelor of Business student majoring in Accountancy who, at the first attempt, achieves the best academic result in the unit AYB301 Auditing.

Lionel Ledlie Prize
Awarded to the student who achieves the best academic result in the unit MGB204 Industrial Relations.

Malcolm Moore Medallion
Donated by the Australian Institute of Management in honour of a founder member of the Institute. This prize is awarded to the outstanding student who has performed at a consistently high standard while enrolled in the Bachelor of Business.

MBA Medallion
Donated by the Faculty of Business, the MBA Medallion is an award made in recognition of academic excellence. To qualify for consideration for the award, a student must have demonstrated academic excellence throughout the entire Master of Business Administration program and have passed all units at a uniformly high standard.

Merv Hoskins Memorial Prize
Donated by Mrs Hoskins and awarded to the Bachelor of Business student majoring in Accountancy or Banking and Finance who achieves, at the first attempt, the best academic result in the units BSB110 Accounting and AYB121 Financial Accounting in one academic year.

Metway Bank Scholarship*
Awarded to a second year full-time Bachelor of Business student majoring in Banking and Finance.

MIM Holdings Limited Prize
Awarded to the Bachelor of Business (Journalism) student who obtains the best overall results in this course.

PRIA Queensland Award
Donated by the Public Relations Institute of Australia (Queensland) and awarded to the Bachelor of Business (Communication) graduand specialising in Public Relations who has demonstrated academic distinction in the public relations units and has epitomised the highest standards of the public relations profession.

Queensland Audit Office Prizes
Awarded:
☐ to the full-time or part-time Bachelor of Business (Accountancy) student who, at the first attempt, obtains the best overall combined result in the units AYB301 Auditing and AYB302 Auditing & Professional Practice in the one academic year
☐ to the student who obtains the best academic results in the unit AYB302 Auditing & Professional Practice.

Queensland Local Government Accountants Association Prize
Awarded to the Bachelor of Business (Journalism) student who obtains the best overall results in this course.

Queensland Tourist and Travel Corporation Prize
Awarded to the student enrolled in the unit COB333 Publicity and Promotion – Print who submits the best design plan and program for promoting tourism in Queensland.

QUT Marketing Trust Fund Prize
Donated by the School of Marketing and International Business and awarded to the Bachelor of Business (Marketing) student who achieves the best academic result in the unit MIB305 Market Research.

Royal Institute of Public Administration Australia (Queensland Division) Prizes
Awarded annually:
☐ to the Bachelor of Business student who achieves the best academic results in the units MGB316 Policy Implementation & Evaluation and MGB318 Public Policy.
☐ to the graduate who achieves the highest Grade Point Average in the Master of Public Policy.

Services Marketing Prize
Awarded to the student who receives the highest result in the unit MIB311 Services Marketing.

Sidney Webb Memorial Prize
Donated by the School of Management and awarded to the Bachelor of Business (Management)
student specialising in Industrial Relations or the Bachelor of Business (Human Resource Management) student who, at the first attempt, achieves the best academic result in the unit MGB328 Work & Performance.

**Society of Business Communicators (Queensland) Prize**
Awarded to the graduating student of the Bachelor of Business degree who demonstrates the best overall performance in the units COB217 Writing for the Communication Professions, COB203 Communication Research Methods and COB318 Organisational Communication. The recipient of the award should be a student member of the Society of Business Communicators (Queensland) at, or prior to, the time of graduation.

**Suzanne Lines Memorial Scholarship***
Sponsored by the Australian Services Union and the Brisbane City Council. Eligible students include second year Business students enrolled in the Industrial Relations major or intending to take the Industrial Relations specialisation in their final year of study and students undertaking the Graduate Diploma in Industrial Relations.

**Taxation Institute of Australia Prize**
Awarded to the full-time or part-time Bachelor of Business student majoring in Accountancy or Banking and Finance who achieves the best academic result in the unit AYB325 Taxation Law.

**FACULTY OF EDUCATION**
The following list of prizes are subject to final approval by respective donors and may be changed or withdrawn without notice.

**Australian College of Education Award**
Awarded on a year to year basis to the most outstanding graduate of initial teacher education. The awardee must have been enrolled in the Bachelor of Education (Pre-service) Secondary, Primary, Early Childhood or a double degree program entailing the Bachelor of Education (Secondary) award at QUT for at least two years full-time or equivalent and must have achieved the highest overall course GPA.

**Australian Association of Special Education Award**
Awarded annually to the outstanding graduate completing one of the Bachelor of Education (Pre-service) ED50, ED51, ED52 and who has outstanding performance in a practicum unit undertaken in a Special/Support inclusive educational environment; who achieves the highest performance in two of the units of Special/Support inclusive education (HMB375, LEB331, LEB332, EAB324, CPB338, LEB305, PRB301) and who has achieved the highest overall course GPA in cases where more than one student has achieved the highest performance in the units for Special/Support inclusive education. Students enrolled in a double degree entailing the Bachelor of Education (Secondary) award who have achieved the highest performance in two of the aforementioned units are also eligible for the award.

**Queensland Institute for Educational Administration Award**
Awarded on a year to year basis to the outstanding graduate in educational administration. The student must have graduated in the year of the award with the highest Grade Point Average (GPA) in educational leadership/management studies at QUT.

**FACULTY OF HEALTH**
The following list of prizes is subject to final approval by respective donors and prizes may be changed or withdrawn without notice.

**Allergan Optical Prize**
Awarded to the third year student who gains the highest aggregate mark in the units OPB509 Optometry 5 and OPB609 Optometry 6.

**Australian Institute of Environmental Health Prize**
Awarded to the student who obtains with distinction the highest grade point average in the Bachelor of Health Science (Environmental Health).

**Australian Optometrical Association Clinical Excellence Award**
Awarded to a fourth-year Optometry student taking into account aggregate marks in OPB705 Clinical Optometry 7, OPB805 Clinical Optometry 8 and OPB807 Practice Management, and clinical performance as judged by clinical instructors in Optometry.

**Centaur Memorial Fund for Nurses Award**
Donated by the committee of the Centaur Memorial Fund for Nurses, and awarded to the student who gains the best grade point average in the final semester of the Bachelor of Nursing (Pre-registration) course.

**Robert Chan Award for Clinical Dietetics**
Awarded to the student who demonstrates outstanding application of clinical dietetics, based on performance in the unit PUP122 Practice in Clinical Dietetics.

**L.K. Claxton Award**
Donated by the Australian Podiatry Association (Qld) and awarded to the student who shows the greatest proficiency in the first year of clinical studies.
Deluxe Surgical Award
Donated by the Deluxe Surgical Company Pty Ltd and awarded to the final year student in the Bachelor of Health Science – Podiatry who gains the greatest distinction overall in the final year of the degree.

Dietitians Association of Australia – Queensland Branch Prize
Awarded to the student in the Graduate Diploma in Nutrition and Dietetics who is overall the top achiever taking into account the aggregate marks in the first two semesters of the course and performance in all areas of third semester as judged by lecturers in Nutrition and Dietetics.

Food Technology Association of Queensland Prize
Awarded to the graduand who obtains the highest aggregate marks in the Graduate Diploma in Nutrition and Dietetics.

A.M. Fraser Health Award
Awarded to a student in any course in Health who demonstrates exceptional application, determination and enterprise in successfully completing his or her course. Selected by a panel of academic staff from nominations submitted by class members from each course in the School.

C.W. Graves Award for Orthotics
Donated by the Australian Podiatry Association (Queensland Branch), and awarded to the final year student who has shown the greatest proficiency in the area of Orthotics.

Health Information Management Association of Queensland Prize
Awarded to the graduand who obtains the highest aggregate mark at the first attempt of PUB199 Health Information Management 1, PUB298 Health Information Management 2, PUB599 Health Information Management 3 and PUB619 Health Information Management 4.

Home Economics Professional Associations Prizes
Two prizes donated by the Home Economics Institute of Australia (Queensland Division), the Queensland Association of Home Economics Teachers and the Home Economics Alumni, and awarded for excellence in Home Economics studies.

Hydron Prize
Awarded to the third year student who gains the highest mark in the unit OPB617 Contact Lens Studies 6.

Dr Leo Kelly Award for Dermatology
Donated by the Australian Podiatry Association (Qld), and awarded to a third-year Podiatry student for achievement in Dermatology.

Miltex Achievement Award
Donated by Ozthotics Pty Ltd, and awarded to the student in the Bachelor of Health Science (Podiatry) who attains the highest level of distinction in clinical podiatry during the final year.

OPSM Prize
Awarded to a third-year Optometry student, taking into account aggregate marks in OPB505 Clinical Optometry 5 and Clinical Optometry 6, and clinical performance as judged by clinical instructors in Optometry.

Duncan Palmer Memorial Prize
Donated jointly by the Australian College of Health Services Executives and the Minister for Health, and awarded to the student who gains the highest aggregate marks at the first attempt in the units PUB659 Health Services Management and PUB655 Health Policy and Planning in the Bachelor of Health Science (Health Administration).

Public Health Association, Qld Branch Prize
Awarded to the most outstanding student thesis across three universities (QUT, UQ and Griffith). The thesis will be judged on originality, impact to public health in Queensland and overall scientific merit.

Queensland Meals on Wheels Services Assoc Inc Prize
Awarded to the top student in the unit PUP123 Practice in Community Nutrition in the Graduate Diploma in Nutrition and Dietetics and selected by appropriate members of staff.

Queenstate Awards
Donated by Queenstate Nursing Service Pty Ltd, and awarded to one student from the pre-registration and one student from the post-registration Bachelor of Nursing courses for the best overall results in the units NSB321 Professional Practice Development and NSB224 Research Approaches in Nursing.

Remington Marshall Award
Awarded to the student in the final year of the Podiatry course who demonstrates exceptional application and determination in successfully completing his/her course.

Royal Australian College of Medical Administrators Prize
Awarded to the student who obtains the highest pass at the first attempt for the unit LWS001 Medicine and the Law in the Bachelor of Health Science (Health Administration/Health Information Management).

Safety Institute of Australia Medal
Awarded for outstanding academic performance to one graduand of the Graduate Diploma in Occupational Health and Safety and one graduand of the Bachelor of Health Science (Occupational Health and Safety).
Spotless Catering Services Prize
Awarded to the student enrolled in the Graduate Diploma in Nutrition and Dietetics who submits the best report in the unit PUP132 Practice in Food Service Management.

Ken Ward Memorial Prize
Awarded to the student studying in the second year of the Optometry course, with the highest aggregate marks in the units OPB312 Visual Science 3 and OPB412 Visual Science 4.

Workplace Health and Safety Council Higher Education Award
Awarded to a student with the highest standard in the practical application of a workplace health and safety project in either the Bachelor of Health Science (Occupational Health and Safety) or the Graduate Diploma in Occupational Health and Safety.

Carl Zeiss Pty Limited Award
Awarded to the first-year Optometry student who obtains the highest aggregate marks in the unit OPB232 Ophthalmic Optics 2.

FACULTY OF INFORMATION TECHNOLOGY
Australian Computer Society Incorporated Prizes
Awarded annually to the most outstanding graduate in the Bachelor of Information Technology (Computing Science) and the most outstanding graduate in the Bachelor of Information Technology (Information Systems).

Australian Library and Information Association, Queensland Branch Prize
Awarded annually to the part-time student who completes the Graduate Diploma in Library and Information Studies within the time period appropriate for normal progression and achieves the highest aggregate marks in the course.

The AUUG Queensland Open Systems Prize
Awarded annually to the Bachelor of Information Technology student with the highest result in either ITB443 Systems Programming or ITB532 Laboratory 4 (Network Management).

BHA Computer Prizes
Awarded annually to the Bachelor of Information Technology (Computing Science) student with the highest result in the units ITB420 Computer Architecture and ITB430 Concurrent Systems.

Brittanica Reference Award
Awarded annually to the student completing the Graduate Diploma in Library and Information Studies who takes the unit ITP328 Information Sources 1 for the first time achieving the highest result.

DATA #3 Client Services Pty Ltd Prize
Awarded to the most outstanding student in the Bachelor of Information Technology (Information Systems).

Distributed Systems Technology Prize
Awarded annually to the student with the highest aggregate result in any two of the following three units: ITN250 Distributed Database Systems, ITN431 Distributed Systems, ITN531 Network Security.

ERACOM Data Security Prize
Awarded annually to the Bachelor of Information Technology (Data Communications) student with the highest result in the unit ITB543 Data Security.

ERACOM Cryptology Prize
Awarded annually to the Bachelor of Information Technology (Data Communications) student with the highest result in the unit ITB548 Introduction to Cryptology.

Learmonth & Burchett Management Systems (LBMS) Prize
Awarded annually to the Bachelor of Information Technology student with the highest result in the unit ITB224 Systems Analysis & Design 2.

Leprechaun Software Pty Ltd Prize
Awarded annually to the Bachelor of Information Technology student with the highest result in the unit ITB520 Data Communications.

Questel.Orbit Prizes
Awarded annually to the Graduate Diploma in Library and Information Studies student who achieves the highest result in the unit ITP328 Information Sources 1.

Awarded annually to the Bachelor of Information Technology (Information Management) student who achieves the highest result in the unit ITB322 Information Resources.

State Library of Queensland Merit Award
Awarded annually to the full-time student who completes the Graduate Diploma in Library and Information Studies within the time period appropriate for normal progression and achieves the highest aggregate marks in the course.

FACULTY OF LAW
Bar Association of Queensland Prize
An annual prize awarded to the graduand with the best performance in the units LWB432 Evidence and LWB431 Civil Procedure.

Brett Thorpe Memorial Prize
An annual prize awarded to the external student who achieves the highest aggregate marks for units completed in his or her fifth year of law, and currently completing Articles of Clerkship in Rockhampton.
Butterworths Prizes

- **Administrative Law**: An annual prize of a book voucher awarded to the student with the best performance in the unit LWB331 Administrative Law.

- **BA Justice Studies**: An annual prize of a book voucher awarded to the student with the best performance in the first year of the Bachelor of Arts (Justice Studies) course.

- **Introduction to Public Law and Australian Federal Constitutional Law**: An annual prize of a book voucher awarded to the student with the best performance in the units LWB231 Introduction to Public Law and LWB235 Australian Federal Constitutional Law.

- **Equity and Trusts**: An annual prize of a book voucher awarded to the student with the best performance in the unit LWB234 Equity and Trusts.

- **Property 1**: An annual prize of a book voucher awarded to the student with the best performance in the unit LWB233 Property 1.

Central Queensland Law Association Bursary
An annual prize awarded to the first-year articled law clerk residing in the Central Queensland area with the highest mark in the unit LWB131 Law in Context. In the event that there is no one eligible, the bursary shall be awarded to the articled law clerk residing in Central Queensland who has the highest aggregate of marks for the year.

Charles Seymour Memorial Prize
An annual prize presented by Phillips Fox to perpetuate the memory of Charles Seymour, awarded to the student with the highest average marks in law units studied for the LLB degree.

Clewett Corser & Drummond Prize
- **Land Contracts**: An annual prize awarded to the student with the best performance in the unit LWB312 Land Contracts.
- **Evidence**: An annual prize awarded to the student who achieves the highest result in semester 1 in the unit LWB432 Evidence.

Corrs Chambers Westgarth Prize
- **Corporate Law**: An annual prize awarded to the student with the best performance in the unit LWB334 Corporate Law.
- **Civil Procedure**: An annual prize of the looseleaf service ‘Supreme Court Practice’ by Ryan, Weld & Lee awarded to the student with the best performance in the unit LWB431 Civil Procedure.

Ebsworth and Ebsworth Prize
- **Insolvency Law**: An annual prize awarded to the student with the best performance in the unit LWB307 Insolvency Law.

Feez Ruthning Prize
- **Restrictive Trade Practices**: An annual prize awarded to the student with the best performance in the unit LWB410 Restrictive Trade Practices.

Freehill Hollingdale and Page Prize
An annual prize awarded to the third year full-time combined Accountancy/Law student with the highest aggregate marks in Law units.

Gerard Connolly Memorial Prize
An annual prize awarded to the student (undergraduate or postgraduate) whom the trustees believe has contributed most to the community through volunteer and/or charitable work.

Gilshenan & Luton Prize
Criminal Law and Procedure: An annual prize awarded to the student with the best performance in the unit LWB232 Criminal Law and Procedure.

Gordon Garland Prize
- **Family Law**: An annual prize awarded to the student with the best performance in the unit LWB302 Family Law.

Hill & Taylor Prizes
- **Drafting and Securities**: An annual prize awarded to the student with the best performance in the units LWB361 Drafting and LWB492 Securities.
- **Professional Responsibility**: An annual prize awarded to the student with the best performance in the unit LWB433 Professional Responsibility.
- **Theories of Law**: An annual prize of a book voucher awarded to the student with the best performance in the unit LWB333 Theories of Law.

Theories of Law: An annual prize of a book voucher awarded to the student with the best performance in the unit LWB309 Succession.
McCullough Robertson Prizes
☐ An annual prize awarded to the third-year full-time LLB student with the highest aggregate mark in Law units.
☐ An annual prize awarded to the third-year full-time LLB student with the second highest aggregate mark in Law units.
☐ An annual prize awarded to the fourth-year full-time combined Accountancy/Law student with the highest aggregate mark in Law units.
☐ An annual prize awarded to the fourth-year full-time combined Accountancy/Law student with the second highest aggregate mark in Law units.

Queensland Anti-Discrimination and Equal Opportunity Law Prize
Discrimination and Equal Opportunity Law: An annual prize awarded to the student nearing the completion of their LLB degree with the best performance in the unit LWB313 Discrimination and Equal Opportunity Law.

Queensland Health Department Prize
Medico-Legal Issues: An annual prize awarded to the student attaining the highest mark in the LLB elective unit LWB483 Medico-Legal Issues.

Queensland Law Society Prize
An annual prize awarded to the graduand eligible for the award of Bachelor of Laws with the highest aggregate marks in the units LWB332 Property 2, LWB334 Corporate Law, LWB361 Drafting, LWB492 Securities, LWB312 Land Contracts, and LWB364 Introduction to Taxation Law.

Queensland Young Lawyers Prize
Research and Legal Reasoning: An annual prize awarded to the student with the best performance in the unit LWB134 Research and Legal Reasoning.

Rod Grant Memorial Prize
An annual prize to perpetuate the memory of Rod Grant, awarded under a trust by Thynne and Macartney to the Legal Practice Course student who produces the most practical/professional answer to a legal problem set by an independent panel of practitioners.

The Maritime Law Association of Australia and New Zealand Ltd Prize
Maritime Law: An annual prize awarded to the student who achieves the highest overall grade point average in the elective unit LWB487 Maritime Law.

Una Prentice Memorial Prize
An annual prize awarded under a trust by the Women Lawyers’ Association of Queensland to the woman student with the highest average marks in Law units studied for the LLB degree.

United Nations Association of Australia (Queensland) Prize
Fundamentals of Public International Law: An annual prize and one year’s complimentary membership of the Queensland Division of the Association awarded to the student with the best performance in the unit LWB406 Fundamentals of Public International Law.

FACULTY OF SCIENCE

The following list of prizes are subject to final approval by respective donors and may be changed or withdrawn without notice.

Advanced Technology Laboratories and Australian Institute of Radiography Prize
Awarded to the student who achieves the highest mark in Clinical Practice units in the first year of the Master of Applied Science – Medical Ultrasound major.

AGEN Prize
Donated by AGEN Biomedical Ltd for the best overall academic performance in the Medical Biotechnology units of the Bachelor of Applied Science (Biotechnology).

AGFA-Gevaert and Australian Institute of Radiography Prize
Awarded to the student obtaining the highest marks in the first-year unit PHB275 Processing Technology of the Bachelor of Applied Science (Medical Imaging Technology).

Alphapharm Pty Ltd Prizes
Awarded annually to the first and second year students of the Bachelor of Applied Science (Applied Chemistry) course or the multidisciplinary Bachelor of Applied Science with major studies in Chemistry, who in the opinion of the Head of School of Chemistry shows at the first attempt the greatest overall proficiency in that year of the above courses. Alphapharm may also make vacation employment available to the prize winners.

Astra Panels Masters Bursary in Chemistry
Awarded to the student undertaking a full-time Masters degree program who has the highest grade-point average from his or her degree.

Australian Institute of Radiography Prize
Awarded to the student achieving the best academic record in the first year of the Bachelor of Applied Science (Radiotherapy Technology) course.

L.G. Amos Prize
Awarded each year to the graduand from the multidisciplinary Bachelor of Applied Science with major studies in Chemistry who, in the opinion of the Head of the School of Chemistry, obtains the best academic record over the length of the course.
Australasian Association of Clinical Biochemists Prize
Donated by the Queensland Branch of the Association, and awarded to the student in the Bachelor of Applied Science (Medical Laboratory Science) who gains the highest aggregate marks with distinction in the units LSB520 Clinical Biochemistry 5 and LSB620 Clinical Biochemistry 6.

Australian Institute of Medical Scientists Prize
Donated by Radiometer Pacific and awarded to the graduand who obtains, with distinction, the highest aggregate marks over all of the clinical techniques units of the Associate Diploma in Clinical Techniques – Laboratory strand.

Australian Laboratory Services Pty Ltd Prize
Awarded to a full-time or part-time student of the Bachelor of Applied Science (Applied Chemistry) or the multidisciplinary Bachelor of Applied Science with major studies in Chemistry who has the best results in the final-year Analytical Chemistry units.

Australian Organisation for Quality Award
Awarded annually to the most outstanding graduand, based on the highest grade point average over the duration of the course.

Australian Society for Parasitology Prize
Awarded to the student with the highest mark in the practical component of the unit LSB500 Microbiology 5.

Australian Society for Cytology Prize
Awarded to the student gaining the highest mark in the cytology unit LSA425 Cytological Techniques 4.

Alan Bailey Prize
Awarded to the student with the best overall performance in LSB557 Management of Exploited Populations or LSB677 Pest Management in the final year of the Bachelor of Applied Science (Biology).

Boehringer Mannheim Prize
Donated by Boehringer Mannheim Australia Pty Ltd for best overall academic performance in the final year of the Bachelor of Applied Science (Biotechnology) major. The award provides additional financial assistance towards conference attendance for graduands enrolled in the Bachelor of Applied Science (Honours) Degree.

David Barry Memorial Prize
Awarded to the student with the best overall academic performance in the units LSB562 Systems Ecology and LSB667 Conservation Biology.

Canberra – Packard Prize
Awarded to the graduand undertaking major studies in Physics who has obtained the best academic record in the final year of the multidisciplinary Bachelor of Applied Science.

Castlemaine Perkins Scholarship in Applied Chemistry
Offered annually for a period of one academic year to a student chosen from those who satisfactorily complete the fourth semester of the full-time program of the Bachelor of Applied Science (Applied Chemistry) or the Bachelor of Applied Science (Chemistry major).

Centre for Medical and Health Physics Prize
Awarded to the student who, in the opinion of the Director of the Centre, is the best graduand of the Master of Applied Science – Medical Physics strand.

CRA Exploration Mapping Prize
Donated by CRA Exploration Pty Ltd, and awarded to the best project student in the Bachelor of Applied Science (Geology) for demonstrated ability in geological mapping.

Diagnostic Technologies Prize
Donated by the Cooperative Research Centre for Diagnostic Technologies to the most outstanding Bachelor of Applied Science (Biotechnology) graduand, based on the highest grade point average over the duration of the course.

George Edward Curphey Prize in Mathematics
Awarded to the student enrolled in the Bachelor of Applied Science (Mathematics) who, in the opinion of the Head of the School of Mathematics, is the most academically outstanding graduate of the year.

George Edward Curphey Prize in Mathematical Modelling
Awarded to the student enrolled in the Bachelor of Applied Science (Mathematics) who obtains the best performance of the year in the unit MAB632 Mathematical Modelling, providing that the Head of School judges the student to be of sufficiently outstanding merit.

James Vincent Duhig Prize
Donated by the Australian Institute of Medical Scientists, and awarded to the student who gains the highest pass, with distinction, in the unit LSB560 Histopathology 5 in the Bachelor of Applied Science (Medical Laboratory Science).

Hugo Flecker Memorial Prizes
Donated by the Royal Australasian College of Radiologists, Queensland Branch, and awarded to students in the third year of the Bachelor of Applied Science (Medical Imaging Technology) and the Bachelor of Applied Science (Radiotherapy Technology) respectively who obtain the best performance in the clinical practice units for that year.

GEC Medical and Australian Institute of Radiography Prize
Awarded to the student obtaining the highest marks
in the first year unit PHB286 Treatment Planning 1 of the Bachelor of Applied Science (Radiotherapy Technology).

**Geological Society of Australia Medal**
Awarded to the graduand who obtains the best results in the Bachelor of Applied Science (Geology).

**Hanimex and Australian Institute of Radiography Prize**
Awarded to the student achieving the best academic record in the third year of the Bachelor of Applied Science (Medical Imaging Technology).

**Incitec Ltd Prize**
Awarded annually to a full-time or part-time student of the Bachelor of Applied Science in Applied Chemistry or the multidisciplinary Bachelor of Applied Science with major studies in Chemistry who, in the opinion of the Head of School, shows at the first attempt the greatest overall proficiency in Year 3, semesters 1 and 2 (or the part-time equivalent) of the above courses. If no student is considered suitable in a given year, no prize will be awarded.

**Michael & Elizabeth Innis Prize**
Awarded to the student who gains the highest pass with distinction in the units LSB550 Haematology 5 and LSB650 Haematology 6 in the Bachelor of Applied Science (Medical Laboratory Science).

**Kodak Prize**
Awarded to the student in the Bachelor of Applied Science (Medical Imaging Technology) who obtains the best academic record (as determined from awarded grades) for the course completed in that year.

**Trevor Lewis Memorial Bursary**
Available to students entering the SC60 Honours course in Physics or the PH80 Master of Applied Science course in Medical Physics. The award of the bursary which provides financial assistance towards the cost of HECS fees and/or living expenses, will be based on academic merit. Applications should be submitted to the Head, School of Physics by 31st December each year.

**I.M. & M.J. Mackerras Prize**
Donated by the Australian Institute of Medical Scientists, and awarded to the student who gains the highest pass with distinction in the unit area of Medical Parasitology within the unit LSB500 Microbiology 5.

**Mallinckrodt and Australian Institute of Radiography Award**
Awarded to the student achieving the best academic record in the second year of the Bachelor of Applied Science (Radiotherapy Technology).

**Meadow Lea Foods – J.L. Forsyth Memorial Prize**
Donated by Meadow Lea Foods, and awarded to the student who has shown the greatest proficiency in the units of the fifth and sixth years of the part-time course for the Bachelor of Applied Science (Applied Chemistry).

**Medical Applications and Australian Institute of Radiography Prize**
Awarded to the student achieving the best academic record in the third year of the Bachelor of Applied Science (Radiotherapy Technology).

**MIM Exploration Honours Bursary in Geology**
Awarded to a student in the Bachelor of Applied Science (Honours) studying a Geology major. Criteria include level of academic achievement.

**MIM Holdings Limited Prizes**
Awarded:
- to the student who obtains the highest mark in the unit ESB592 Advanced Geological Mapping in the Bachelor of Applied Science (Geology), and
- to the student who obtains the highest combined mark in the units MAB187 Engineering Mathematics 1A and MAB188 Engineering Mathematics 1B.

**Mining and Metallurgical Bursaries Fund Prizes**
Donated by the Australasian Institute of Mining and Metallurgy, and awarded to the students of the Bachelor of Applied Science (Geology) who show the most outstanding potential in completing the course.

**Nycemed and Australian Institute of Radiography Travelling Fellowship**
Awarded to the graduand of the Bachelor of Applied Science (Medical Imaging Technology) or (Radiotherapy Technology) course who achieves the best academic record over the three-year course.

**PESA (Qld) Fossil Fuels and Basin Analysis Award**
Awarded to the student in the Bachelor of Applied Science (Geology) who obtains the highest results for the third-year units ESB672 Fossil Fuels and ESB682 Sedimentology and Basin Analysis.

**PESA (Qld) Sedimentary Geology Award**
Awarded to the student in the Bachelor of Applied Science (Geology) who obtains the highest result for the unit ESB432 Geomorphology and Sedimentary Geology.

**Petroz Honours Bursary in Geology**
Awarded to a student in the Bachelor of Applied Science (Honours) studying a Geology major. Awarded on the basis of academic performance and motivation.

**Physics Staff Prize**
Awarded to the student completing the second year of the multidisciplinary Bachelor of Applied Science...
and undertaking major studies in Physics who obtains the best academic record for that year.

**Prospectors Supplies Pty Ltd Prize**
Awarded to the first-year student of the Bachelor of Applied Science (Geology) who obtains the highest aggregate marks for the year.

**Queensland Cement Limited (QCL) Bursary**
Available to undergraduate students who have completed semester one of their second-last year of study in the Faculties of Science, Business or Built Environment and Engineering. Criteria include academic merit, career ambitions, communication skills and extra-curricula interests.

**Queensland Medical Laboratory Prize**
Awarded to the student who obtains, with distinction, the highest pass over the ninth to twelfth semesters of the part-time course leading to the Bachelor of Applied Science (Medical Laboratory Science).

**Royal Australian Chemical Institute Queensland Branch Prizes**
Awarded to the students showing, at the first attempt, the greatest proficiency in the first and second years of the full-time course (or its part-time equivalent) leading either to the Bachelor of Applied Science (Applied Chemistry) or to the multidisciplinary Bachelor of Applied Science with major studies in Chemistry.

**Royal College of Pathologists of Australasia (Queensland Committee) Prize**
Awarded to the student who obtains the highest pass in the units LSB500 Microbiology and LSB600 Clinical Bacteriology 6 in the Bachelor of Applied Science (Medical Laboratory Science).

**J.R. Saal Prize**
Donated by Merck Pty Ltd and awarded to the full-time student graduating in minimum time who obtains, with distinction, the highest aggregate marks over all of the clinical units of the Bachelor of Applied Science (Medical Laboratory Science).

**Sea World Prize**
Awarded to the student with the highest aggregate marks in the final year of the Bachelor of Applied Science (Biology).

**Schering and Australian Institute of Radiography Award**
Awarded to the student achieving the best academic record in the second year of the Bachelor of Applied Science (Medical Imaging Technology).

**Charles O. Schloman Memorial Prize (Organic Chemistry)**
Donated by Astra Panels Pty Ltd, and awarded to the student undertaking the Bachelor of Applied Science (Applied Chemistry) or the Chemistry major of the multidisciplinary Bachelor of Applied Science who, in the opinion of the Head of School, shows at the first attempt the greatest overall proficiency in the second-year Organic Chemistry units of the full-time course (or its part-time equivalent). If no student is considered suitable for the award in a given year, no prize will be awarded.

**Charles O. Schloman Memorial Prize (Physical Chemistry)**
Donated by Astra Panels Pty Ltd, and awarded to the student undertaking the Bachelor of Applied Science (Applied Chemistry) or the Chemistry major of the multidisciplinary Bachelor of Applied Science who, in the opinion of the Head of School, shows at the first attempt the greatest proficiency in the second-year Physical Chemistry units of the full-time course (or its part-time equivalent). If no student is considered suitable for the award in a given year, no prize will be awarded.

**School of Mathematics Honours Bursary**
Awarded to a student (or students) enrolling in the Bachelor of Applied Science (Honours) in Mathematics. The award is determined by the Head of School of Mathematics in consultation with the Honours Coordinators for Mathematics.

**Sterling and Australian Institute of Radiography Award**
Awarded to the student achieving the best academic record in the second year of the Bachelor of Applied Science (Medical Imaging Technology).

**Toshiba and Australian Institute of Radiography Ultrasound Prize**
Awarded to the student who achieves the best academic record in the first year of the Master of Applied Science – Medical Ultrasound major.

**Velseis Geophysics Prize**
Awarded to the student with the highest aggregate marks in the geophysics units of the Bachelor of Applied Science (Geology).

**Byron Watkins Prize**
Sponsored by the Industrial and Applied Chemistry Past Students’ Association in honour of Byron Watkins, Foundation Chief Instructor of the Chemistry Department of the former Central Technical College, and awarded annually to the graduand in the Chemistry major of the Associate Diploma in Applied Science who shows the highest level of achievement during the course.
The Student Guild is governed by Guild Council which consists of the Executive (President, General Secretary, Education Director, International Student Services Director, Women’s Services Director, Welfare Services Director, Recreation Director and five Campus Directors), campus representatives, and specialist representatives (for part-time and external students, Aboriginal and Torres Strait Islander students and postgraduate students).

Members of the Guild Council are elected at the annual general election and all students are eligible to stand for positions at the election. Students will also be able to nominate and vote for campus coordinator positions to help organise activities and services on campuses.

The QUT Student Guild is owned and operated by and for students.

The Guild sends representatives to express students’ views to many University committees, including the University Academic Board.

All QUT students are members of the Guild and their respective national union, NUS. Quite often access and equity to education can be affected by government policy. The Guild will often call on its members to attend rallies to stop regressive changes to the education system. The Guild fully supports a free public education system where everyone has equal access.

The QUT Student Guild is a service organisation operated for the benefit of the student body. The Guild exists to make a student’s time at University easier and more enjoyable. QUT staff and members of the public are also encouraged to join the Guild as associate members.

**STUDENT GUILD SERVICES**

...developing and delivering essential services which enhance the quality of the QUT student university lifestyle.

**Academic Appeals:** Advice, information and support on rules and procedures for handling academic complaints, disputes and grievances.

**Accident Insurance:** Accidents can be a hassle, but the expenses involved don’t have to be. The Guild has all QUT students (full-time, part-time and external) covered by an accident insurance policy. On campus, off campus, anywhere in the world!!

**Accommodation:** Find it! List it! Free. Database listing service for off-campus accommodation – share, whole and private board. Advice and support on tenancy matters. One-stop accommodation guidebook for students.

**Employment:** Looking for work to help support your studies and lifestyle? Up-to-date database listing with jobs suitable for students, from permanent part-time to on-call casual. Job skills information and support.

**Clubs and Societies:** Financial and organisational assistance to affiliated groups – educational, social, cultural, religious, political, sporting, or recreational.

**Information:** Lost? Questions? Looking for a specific service or information resource? Access the Services Database, Self-help Resource Centre, or staff at the Help Desk.

**Legal Service:** Self-help resources, advice on tenancy laws, referral to community legal services.

**Student Finance:** Money hassles? Austudy, HECS, loans and tax information, support and advice. Assistance with problems. Representation and advocacy appeals.

**StudentPlan Accident Insurance:** The Student Guild holds a personal accident insurance policy for all QUT students – part-time, full-time or external. Students are covered for accidents off campus, on campus, any time of day, anywhere in the world. Phone (07) 3864 5512 for more information.

**Union Shopper:** All students become members of Union Shopper when they become members of the Guild. Union Shopper entitles students to great discounts on a wide variety of goods and services, i.e. electrical goods, furniture, cars, computers etc.

**Women’s Services:** The Student Guild employs a full time Women’s Officer who works with the Women’s Director and the campus Women’s Coordinators to serve the needs and interests of women students at QUT.

The Women’s Department has many functions including:

- representing the needs and concerns of women students on Guild and University committees;
- providing information and referral on issues pertaining to women students such as sexual harassment, sexual violence, discrimination on campus, sexist language, unplanned pregnancy, women’s health, women’s housing and equity issues;
- organising campaigns around issues such as security, childcare, domestic violence, women and access to education;
organising activities such as Blue Stocking Week, self-defence courses, Reclaim the Night march;
producing *Philosophia* (women’s edition of *Utopia*) and a monthly newsletter.

In addition, the Women’s Department maintains a Women’s Space on each campus and the Women’s Resource Library which has over 500 titles at present.

**Where Do I Find these Services?**

In person at your Union Help Desk
- Gardens Point – Y Block
- Kelvin Grove – C Block
- Carseldine – C Block

or by phoning (07) 3864 5508.

**Your Union Help Desks**
The Guild operates Your Union Help Desks on all campuses – Carseldine, Gardens Point and Kelvin Grove – providing access to a wide variety of services, facilities, activities, equipment, and information.

Equipment available for use by students at most centres includes: photocopiers, typewriters, binding machines.

Other services provided through most of these offices are:
- stamp sales, phone cards, photo developing, laminating and the sale of cassette tapes and various services’ T-shirts and sweatshirts
- employment and accommodation folders are on display and updated daily.

For more information about any of the Guild’s services or facilities, contact the Help Desk on your campus:
- Gardens Point phone (07) 3864 1680
- Kelvin Grove phone (07) 3864 3704
- Carseldine phone (07) 3864 4714.

**Education Research**

**Research into Student Issues:** Staff develop background briefings on issues in higher education and conduct research into student experiences at QUT.

**Best Lecturer Award:** The Guild promotes focus on quality teaching through conducting a competition to identify QUT’s Best Lecturer.

**Student Representative Support:** The Guild organises student representatives for all QUT academic boards and committees requiring student input as well as for academic review committees.

**Sport, Recreation and Activities**

**Games rooms:** All campuses have games rooms containing facilities ranging from pinball machines and darts equipment to table tennis and pool tables.

**Health and Fitness Centres/ Gymnasiums:** The Guild operates health and fitness centres at Kelvin Grove campus and Gardens Point campus offering assessments, weights, aerobics, squash courts, and sports medicine clinics. Areas are available for other recreation activities. Phone: (07) 3864 3710 (Kelvin Grove), 3864 1685 (Gardens Point).

**NCUSA & AUSF:** The Guild is affiliated to NCUSA and AUSF which entitles students to participate in the State and National games organised by these organisations. To get involved talk to the Recreation Department during O’Week.

**Physiotherapy Centres:** The Guild contracts with a physiotherapy clinic to provide a physiotherapy service at Kelvin Grove campus and Gardens Point campus. Fees are reasonable with student plan accident insurance covering university-related injuries. Phone: (07) 3864 3711 (Kelvin Grove), 3864 1687 (Gardens Point).

**Recreation Courses:** A range of recreation courses is offered by the Guild. These include exercise courses, ski trips, foreign language classes, martial arts, massage, health and relaxation, golf, self-defence, abseiling, scuba diving, parachuting and special trips, such as to the Birdsville Races. A recreation handbook is available during Orientation Week, at Sports and Recreation Centres or the Student Information Centre on the Carseldine campus.

**Recreation Equipment:** A limited equipment pool is available for use by students and can be obtained from the Guild office or Gymnasium.

**Social and Cultural Activities:** A variety of social and cultural events and activities are organised throughout the year. These include balls, cabarets, bands, barbecues, films, theatre events and theme weeks. They may be run on each campus or as cross-campus activities. Put the QUT Annual Ball in your diary now – last Friday of exams in November.

**Sporting Competitions:** The Guild organises sporting competitions at all levels – lunchtime competition and recreational games, QUT inter-campus competition, regional, state and national inter-university championships. Contact the Fitness Centres for more information.

**Sports Centre:** The QUT Sports Centre is located at Gardens Point campus and is open seven days a week. It contains a 25 metre indoor heated swimming pool, two squash courts, a sundeck and kiosk. Activities include rebound volleyball, table tennis, aqua aerobics, training sessions, learn-to-swim
classes and general fitness and relaxation swimming. Phone: (07) 3864 1688.

**Weights Rooms:** Carseldine campus has a weight training room available for use by students. Contact a Student Information Centre for further information.

For more information about sport, recreation and activities contact the campus Recreation Officers:

- Gardens Point (07) 3864 1685
- Kelvin Grove (07) 3864 3710
- Carseldine (07) 3864 4716

**Media and Publications**

**Publications:** The Guild produces a range of free publications throughout the year, including the diary, a wallplanner, newsletters, clubs and societies handbook, the Annual Report and various brochures on services and activities.

**Student Newspaper:** The Guild regularly publishes a free community newspaper called *Utopia* to which students can contribute. It provides general information and also acts as a forum for a wide range of topics of student interest. Editors of the paper are elected each year and all students are eligible to stand for election. Phone: (07) 3864 4012.

**International Students Department Assistance**

- Assists all international students, undergraduate and postgraduate, to appeal against exclusions and other academic matters.
- Assists the fight against discrimination of any kind within the University environment.
- Assists other international student clubs associated with Student Guild to organise social events.

**Cultural Awareness**

The Department’s objective is to promote cultural awareness at QUT among students and staff. Therefore, from time to time the Department holds multicultural events like market days with the help of international student clubs and other organisations. For more information contact (07) 3864 5531.

**WWW:** The Guild has a presence on the World Wide Web which can be accessed at <http://www.qut.edu.au/guild/guild.html>. Many of the Guild’s services are listed there along with an events page where students can find out what is happening on their campus.

**OTHER SERVICES**

**Campus Shops:** The Campus Shop at Gardens Point campus sells a large range of calculators, QUT memorabilia, sportswear, shoes, chemist lines, cigarettes and other goods, and provides photo developing and dry cleaning. There are credit card and EFTPOS facilities plus three-month lay-by with minimum deposit. The Kelvin Grove shop sells sportswear, shoes, chemist lines and cigarettes. It also carries newsagency items such as magazines, newspapers and cards. Phone: (07) 3864 1681.

**Campus Club:** The Student Guild operates a club at the Gardens Point campus. The club is an excellent venue to relax, kick back and unwind. It has a bar, pool tables, and an outdoor eatery with a variety of burgers, salads, made to order sandwiches and many other delicious menu items. With the daily specials, you need never spend over $3.00 for lunch every day. The club also hosts bands throughout the year and is available for balls and other functions at very reasonable rates.

**Degrees Cafe:** Degrees is a licensed cafe run by the Student Guild at Gardens Point campus, Level 3, Y Block. Degrees offers students and staff the best coffee on campus – from cappuccino to latte, flat white and espresso. Also on offer at reasonable prices are delectable pastries, cakes and fine foods such as lasagne, quiche, filos, foccacia and bagels. The cafe is open Monday to Thursday 10am to 6pm and Friday 10am to 3pm. Phone (07) 3864 1236.

**Graduation Gown Hire and Sale:** The Guild hires gowns, hoods and mortarboards for graduation ceremonies and photographs. Academic regalia is also available for sale. Phone: (07) 3274 1473.

**Student Lounges:** Student Lounge facilities are provided by the Guild at Kelvin Grove and Carseldine campuses. These provide an area to relax or socialise. Drink vending machines are available in or near the lounges.

**Child Care Centres:** The Guild operates child care centres on all three campuses. All centres operate from Monday to Friday with hours being determined by student needs. Fees are reasonable with government subsidies available at all centres.

- Gardens Point (07) 3864 1690
- Kelvin Grove (07) 3864 3946
- Carseldine (07) 3864 4800.
Queensland University of Technology houses a major collection of almost 1400 Australian and international works of art, comprising paintings, sculptures, decorative arts and works on paper. These holdings represent one of the largest public art collections in Queensland.

Established in 1945, the collection embraces both historical and contemporary works, spanning a period of over 140 years. The greatest strengths lie in the extensive holdings of Queensland art from the 1940s onwards and the outstanding collection of contemporary Australian art post 1970, chiefly paintings, prints and ceramics. The small but significant group of works by Australian artists (Elioth Gruner, Frank Hinder, Margaret Preston, Grace Cossington Smith and so on) working predominantly in the first half of the twentieth century forms an interesting complement to contemporary holdings.

A number of important contemporary Australian artists are represented in the collection by major examples of their work. They include Ian Fairweather, Rosalie Gascoigne, Richard Larter, Keith Looby, John Olsen and Imants Tillers. The collection also contains substantial holdings by several eminent individual practitioners such as Alun Leach-Jones, Carl McConnell, Gwyn Hanssen Pigott and William Robinson.

The rapidly expanding collection of Australian prints comprises works by artists who have been actively involved in the graphic arts over the past two decades including George Baldessin, Hertha Kluge-Pott, Bea Maddock, Mike Parr, Sally Robinson and Fred Williams. These holdings have been recently consolidated through the acquisition of a large body of prints by Aboriginal and Torres Strait Islander artists, as well as by the purchase of works incorporating new electronic media.

Contemporary Australian ceramics have been acquired consistently since the early 1970s. Highlights include major sculptural pieces by Olive Bishop, Margaret Dodd and Lorraine Jenyns, and important functional wares by Stephen Benwell, Greg Daly, Milton Moon, Jenny Orchard and Sandra Taylor. Recent acquisitions include works by a younger generation of ceramic artists such as Jo Crawford, Merran Esson, Debra Halpern, Jerry Wedd and Jo Williams.

Other recent acquisitions reflect the high priority and commitment given by QUT to the work of local emerging practitioners, particularly those who have graduated from the University’s Academy of the Arts and begun to establish themselves as professional artists. The recent purchase of representative works by Stephen Brash, Don Heron, Stephen Nothling, Kate Ryan, Rodney Spooner, Ellen Thompson and Anne Wallace exemplifies the significance and depth of this commitment.

In addition to its holdings of Australian art, QUT possesses a small but distinguished group of twentieth century American and European works by artists of the calibre of Georges Braque, Alexander Calder, Mary Cassatt, Henry Moore, Auguste Rodin, William Scott, Victor Vasarely and Paul Wunderlich, as well as some outstanding nineteenth century Japanese woodblock prints.

The collection is displayed in various designated spaces at QUT’s three Brisbane campuses. Policy and procedures relating to its development are determined by the Art Collection Committee, comprising senior representatives of the University and external members.

A 124 page illustrated catalogue of the collection is available for purchase from the University Bookshop.

The collection is administered by the University Curator, Stephen Rainbird and Assistant Curator, Susi Muddiman. For further information telephone (07) 3864 3240.
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The following rules are based on those existing prior to 1991 at the Queensland University of Technology and the Brisbane College of Advanced Education. These rules have been formulated to provide the least disadvantage to continuing students. If a student considers he or she has been disadvantaged by a change in the rules, the student should make the case in writing to the Registrar.

In these rules, reference to the Registrar includes reference to any officer of the University authorised by the Registrar to carry into effect any or all of the powers, duties and responsibilities included in these rules.

For information on the University’s admission rules and procedures please refer to the publication Admission Procedures 1998 which is available from QUT’s Admissions Section.

The University’s Manual of Policy and Procedures (MOPP) contains detailed policy/procedural statements on such matters as courses and awards, including awards with Honours, awards with distinction and the credit point system; international student exchange programs; assessment of students, including objectives and functions of assessment, organisation of examinations and assessment of results; awards, scholarships and prizes; theses, dissertations and project reports; graduation; confidentiality of student records; students’ obligations and expectations, including student consultation, feedback on progressive assessment and results; student discipline; and student grievances.

1. ENROLMENT

1.1 Failure to enrol following admission
If a commencing student fails to enrol for the semester by the date specified in the University’s letter of offer, the enrolment lapses and the offer of admission is withdrawn.

1.2 Enrolment to conform with offer
Commencing students are required to enrol as specified in the University’s letter of offer as regards to course and, where applicable, major, attendance mode or campus.

1.3 Enrolment (commencing students)

FORM: Enrolment Form for Commencing Students.
SOURCE: Enrolments Office, Kelvin Grove campus; Campus Enquiry Counters.
SUBMIT TO: Enrolments Office, Kelvin Grove campus; Campus Enquiry Counters.

A commencing student is enrolled on completion of all of the following:

☐ application for admission
☐ acceptance of the offer of a quota place in terms of the conditions prescribed
☐ submission of a completed enrolment form and its acceptance by the University
☐ payment of prescribed fees (unless the Registrar has granted an extension of time for such payment and has accepted the enrolment subject to payment at a later prescribed date)
☐ submission of a completed HECS payment options form, and
☐ completion of any other required procedures.

1.4 Re-enrolment (continuing students)

FORM: Enrolment Form for Continuing Students.
SOURCE: Enrolments Office, Kelvin Grove campus; Campus Enquiry Counters.
SUBMIT TO: Enrolments Office, Kelvin Grove campus; Campus Enquiry Counters.

A continuing student is required to lodge an enrolment form each calendar year. A continuing student is enrolled on completion of the following:

☐ submission of a completed enrolment form and its acceptance by the University
☐ payment of prescribed fees (unless the Registrar has granted an extension of time for such payment and has accepted the enrolment subject to payment at a later prescribed date), and

☐ completion of any other required procedures, provided that the student is not subject to exclusion, termination of enrolment or has been refused the right to re-enrol under Rule 2.

Students are required to re-enrol by the published closing date. An enrolment form lodged after the closing date may be accepted at the discretion of the Registrar on payment of a late fee. Students who fail to re-enrol will be subject to cancellation of enrolment.

1.5 Personal information

Students are obliged to provide personal information, including their full name, for record keeping purposes and for statistical purposes as required by the Commonwealth government.

Students who propose to change their name from that recorded upon admission to the University should submit their request in writing together with appropriate supporting documentation, such as a birth certificate or marriage certificate.

Students should note that the name reported for graduation purposes shall be the one recorded by the University at the time of the official release of results for the last semester of enrolment.

1.6 Mailing address

FORM: Change to Personal Details Form (Form D).
SOURCE: Enrolments Office, Kelvin Grove campus; Campus Enquiry Counters.
SUBMIT TO: Enrolments Office, Kelvin Grove campus; Campus Enquiry Counters.

Students are required to provide a reliable mailing address for correspondence with the University and must promptly notify the University of any change of address. Failure to receive a notice because of change of address is not a sufficient excuse for missing a deadline or an obligation.

The University is also required by the Commonwealth government to record for statistical purposes each student’s ‘Permanent Home Residence’. This address cannot be a PO Box, a Mail Service, or care of another person or company. QUT will not normally send mail to a student’s ‘Permanent Home Residence’.

1.7 Confirmation of enrolment

Each semester, the University provides students with a confirmation form outlining their current enrolment program. It is the student’s responsibility to inform the University of any discrepancy in the form in accordance with the instructions given.

Failure to correct an inaccurate record may have serious financial, administrative and academic consequences.

1.8 Nomination of enrolment program

1.8.1 Maximum and minimum semester loads

Except with the approval of the Dean of Faculty, a full-time student shall not enrol for a program which exceeds the standard credit points for a full-time semester in the course, or the number of credit points allocated to the semester of the course from which the majority of units has been selected, whichever is the greater.

Except with the approval of the Dean of Faculty, a part-time student shall enrol in a program with credit points totalling at least 35 per cent of the standard credit points for the full-time course.

1.8.2 Prerequisites, corequisites and incompatible units of study

A prerequisite unit is one which must be passed before the student proceeds to a further unit which has the prerequisite so specified. A corequisite is one which, if not previously passed, must be studied concurrently with another unit with which it is a corequisite.

A Head of School may permit a student to undertake a unit without the student having passed the specified prerequisites if the Head of School is satisfied that the student has the appropriate background knowledge necessary for the unit.

Enrolment in a unit of study is not permitted if a student has successfully completed any unit listed as ‘incompatible with’ the proposed unit. (See unit synopsis.)
1.8.3 Right to amend enrolment programs

A Course Coordinator may amend a student’s enrolment program for any of the following reasons:

- credit points exceeding the maximum allowed
- credit points less than the minimum allowed
- timetable incompatibility
- non-compliance with course rules.

1.9 Change to enrolment program

Students are responsible for advising the Registrar of changes to enrolment details. Each semester the University provides students with an Enrolment Statement - One Free Change Form outlining their current program. Students may return this form by the relevant due date to advise of a change to their enrolment.

1.9.1 Addition and substitution of units

FORM: Enrolment Statement (Form E)
SOURCE: Enrolments Office, Kelvin Grove campus
SUBMIT TO: Enrolments Office, Kelvin Grove campus

Each semester students may request one free change to add or substitute units up to a published date at the end of the second week. A request for addition or substitution submitted on other than the completed Enrolment Statement will be processed only upon payment of a fee. Students may request a waiver of the fee if circumstances beyond their control require a change to enrolment. The Enrolments Officer will determine all requests for waiver of the fee.

Requests received after the published date must bear the written support of the Unit Coordinator and proof of payment of a late fee.

☐ Requests are only approved if all of the following conditions are met:

☐ the Unit Coordinator has confirmed that the student may enrol in the unit after the published date

☐ the student has demonstrated the existence of exceptional circumstances as determined by the Registrar or relevant Course Coordinator

☐ the student has provided proof of payment of the late fee.

Requests submitted without written support of the Unit Coordinator and proof of payment of the late fee will be returned to the student unprocessed.

1.9.2 Cancellation of units

FORM: Enrolment Statement (Form E) or Change to Enrolment Form (Form C)
SOURCE: Enrolments Office, Kelvin Grove campus
SUBMIT TO: Enrolments Office, Kelvin Grove campus

Students may cancel their enrolment in units except where the cancellation results in an enrolment program which has fewer credit points than the minimum allowable, or represents a departure from a program prescribed for a student on probation. Cancellation of units where no addition of units occurs will not incur an administrative charge.

For single and multi-semester length units undertaken in the first or second semesters, the following results are recorded:

(i) **Cancellation in the first two weeks of the semester**: The units are deleted from the student’s record.

(ii) **Cancellation from the third week of the semester to March 31 in the case of first semester, or August 31 in the case of second semester**: A status of ‘Withdrawn’ is recorded against the units concerned. A ‘Withdrawn’ unit is not included in the calculation of the student’s GPA.
(iii) **Cancellation after March 31 or August 31 and before the end of the semester:** A result of ‘Withdrawn – Failure’ is awarded unless the examiner awards a passing grade on the basis of the assessment undertaken by the student prior to cancellation.

The Registrar, on advice from the Faculty, may waive the ‘fail’ result arising from late cancellation when satisfied that the cancellation was necessitated by medical, compassionate or other exceptional circumstances.

In the case of multi-semester units, provisions (i) and (ii) above apply only to the initial semester of the unit. For cancellation at any time in the second or subsequent semester of a multi-semester unit a result of ‘Withdrawn - Failure’ is awarded.

For units undertaken in the Summer School period, the following results are recorded:

(i) **Cancellation in the first two weeks of the Summer School:** The units are deleted from the student’s record.

(ii) **Cancellation after the second week of the Summer School:** A result of ‘Withdrawn – Failure’ is awarded unless the cancellation was caused by medical, compassionate or exceptional circumstances.

For units undertaken in the Intensive Study Mode, the following results are recorded:

(i) **Cancellation prior to the commencement of teaching:** The units are deleted from the student’s record.

(ii) **Cancellation in the first two weeks of the Intensive Study Mode:** A result of ‘Withdrawn’ is recorded against the units concerned. A ‘Withdrawn’ unit is not included in the calculation of the student’s GPA.

(iii) **Cancellation after the second week of the Intensive Study Mode:** A result of ‘Withdrawn - Failure’ is awarded unless the cancellation was necessitated by medical, compassionate or exceptional circumstances.

### 1.10 Change of course

Offers of admission to commencing students specify the particular course and, where applicable, major for which the offer is made. Students are required to enrol as specified (see Rule 1.3) and complete at least the first semester accordingly.

#### 1.10.1 Transfer to another course offered by the same Faculty

**FORM:** Intra-Faculty Changes Form (Form I).

**SOURCE:** QUT Admissions Office, Kelvin Grove campus.

**SUBMIT TO:** QUT Admissions Office, Kelvin Grove campus

Campus Enquiry Counters.

Students who wish to transfer to another course offered by the same Faculty may apply to do so using the Intra-Faculty Changes Form (Form I). Applications will be determined by Faculties and will be subject to the following prescriptions:

(i) If the application is made after completion of the first semester but before completion of the first year, the student must have met the minimum entry level which applied for the proposed new course or major in the most recent admission period.

(ii) If the application is made after completion of the first year, the student’s eligibility will be assessed according to criteria established by Deans of Faculties and published before the close of applications each year.

#### 1.10.2 Transfer to a course offered by a different Faculty

Students who wish to transfer to a course offered by a different Faculty should apply as follows:

- ☐ in the case of an undergraduate course, to QTAC, using Form B
- ☐ in the case of a postgraduate course, to the QUT Admissions Office, using Form P.
1.11 Change of major

FORM: Intra-Faculty Changes Form (Form I)
SOURCE: Enrolments Office, Kelvin Grove campus
SUBMIT TO: Enrolments Office, Kelvin Grove campus

Students who wish to transfer to another major within the same course may apply to do so using the Intra-Faculty Changes Form (Form I). Applications will be determined by Faculties and will be subject to the following prescriptions:

(i) If the application is made after completion of the first semester but before completion of the first year, the student must have met the minimum entry level which applied for the proposed new major in the most recent admission period.

(ii) If the application is made after completion of the first year, the student’s eligibility will be assessed according to criteria established by Deans of Faculties and published before the close of applications each year.

1.12 Change of attendance mode

FORM: Enrolment Statement (Form E) or Change to Enrolment Form (Form C).
SOURCE: Enrolments Office, Kelvin Grove campus
SUBMIT TO: Enrolments Office, Kelvin Grove campus

1.12.1 Definitions of attendance/study modes

- **Full-time**
  Full-time students are students who are enrolled for the semester in 75 per cent or more of the standard credit points for a full-time semester of the course.

- **Part-time**
  Part-time students are students who are enrolled for the semester in less than 75 per cent of the standard credit points for a full-time semester of the course.

- **Internal**
  Internal students are those who undertake all units of study for which they are enrolled through attendance at the University on a regular basis. Students who undertake a higher degree course for which regular attendance is not required, but attend the University on an agreed schedule for the purpose of supervision and/or instruction are also classified as internal students.

- **Multi-modal**
  Multi-modal students are those who undertake at least one unit of study on an internal mode of attendance and at least one unit of study on an external mode of attendance.

- **External**
  Students are classified as external when all units of study for which they are enrolled involve special arrangements whereby teaching materials, assignments, etc. are delivered to the student, and any associated attendance at the University is of an incidental, irregular, special or voluntary nature.

1.12.2 Procedure

Offers of admission to commencing students will specify the attendance mode for which the offer is made. Students are required to enrol as specified (see Rule 1.3) and complete at least the first semester accordingly.

Students who wish to change to another attendance mode may apply to do so using the Enrolment Statement (Form E) or Change to Enrolment Form (Form C). Applications will be determined by Faculties.

1.13 Transfer to another campus

Where a course is offered on more than one campus, students will be allocated to one of the campuses and will be required to attend that campus for at least the first semester.
Students who wish to change to another campus may apply to do so using the Enrolment Statement (Form E). Applications will be determined by Faculties.

1.14 Exceptions
In special circumstances, Deans of Faculties may approve exceptions to policies set out above in 1.10-1.13 as under:

☐ the requirement that commencing students enrol and complete at least the first semester of their course as specified in their offer of admission; that is, no change to course, major, attendance mode or campus before the end of the first semester of the course

☐ the requirement in 1.10.1 (i) and 1.11 (i) that students who wish to transfer to another course or major within the same Faculty must have met the minimum entry level which applied for the proposed new course or major in the most recent admission round.

1.15 Concurrent enrolment
Concurrent enrolment in two or more QUT courses is permitted except where the total study load in a semester exceeds 48 credit points, in which case the approval of the Course Coordinator of each course is required.

1.16 Alternative Studies
Alternative studies refers to the completion of a unit or units at QUT or another tertiary institution:

(i) in place of core units listed in the course structure; or

(ii) in satisfaction of elective or other requirements where the unit is not listed in a schedule of units for such purposes and where the unit is offered by a Faculty other than the one responsible for the course which the student is undertaking.

An application to undertake alternative studies requires the Course Coordinator to approve that the nominated alternative is a valid substitute in terms of course rules. Where the alternative is offered by another QUT Faculty, the approval of the Dean of Faculty offering the unit is required.

Where alternative studies involve units taken at QUT, the units and results will appear on the student’s academic record in the normal way. Where the alternative studies are undertaken at another institution, it is the student’s responsibility to provide an official statement of results from the other institution. In this case, credit for the alternative studies will be given in the form of exemption.

1.17 Leave of absence
FORM: Change to Enrolment Form (Form C).
SOURCE: Enrolments Office, Kelvin Grove campus; Campus Enquiry Counters.
SUBMIT TO: Enrolments Office, Kelvin Grove campus; Campus Enquiry Counters.

Students who find that their circumstances necessitate a period of absence from their course may request leave of absence.

Normally leave of absence will not be granted in the first semester of the first year of study except where the absence is necessitated by medical, compassionate or other exceptional circumstances as determined by the Registrar.

Following the first semester of the first year of study for students in undergraduate courses, except where specified in the course rules, approval of leave of absence for periods up to one year is automatic. For periods in excess of one year or for students in postgraduate courses, leave of absence is subject to approval by the relevant Dean of Faculty.

In cases where leave of absence is granted after 31 March for first semester or 31 August for second semester, ‘Withdrawn - Failure’ results will be awarded except where the Registrar, on advice from the Faculty, is satisfied that the period of leave was necessitated by medical, compassionate or other exceptional circumstances.

At the end of the nominated period, students are sent a form with which to re-enrol. If they do not re-enrol, their leave of absence is terminated and their enrolment status is altered to ‘Cancelled’.
1.18 Cancellation of enrolment

FORM: Change to Enrolment Form (Form C).
SOURCE: Enrolments Office, Kelvin Grove campus; Campus Enquiry Counters.
SUBMIT TO: Enrolments Office, Kelvin Grove campus; Campus Enquiry Counters.

Students may cancel their enrolment in a course at any time but should take into account the provisions of Rule 1.9.

1.19 Re-admission following a period of non-attendance or exclusion

FORM: Re-admission Form (Form R) or Application for Admission as an International Student (Form F).
SOURCE: QUT Admissions Office, Kelvin Grove campus or QUT Office of International Students, Kelvin Grove campus; Campus Enquiry Counters.
SUBMIT TO: QUT Admissions Office, Kelvin Grove campus or QUT Office of International Students, Kelvin Grove campus Campus Enquiry Counters.

Students who wish to re-enter a course after a period of absence and who are not returning from leave of absence may apply for re-admission.

Re-admission applicants who have not completed all first and second semester units listed in the course requirements for the full-time mode of an undergraduate course must satisfy the entry requirements and cut-off levels applicable for the relevant admissions period.

Students who have been excluded from a course as a result of unsatisfactory academic performance will not be considered for re-admission until at least two semesters have elapsed since exclusion. Applications require the approval of the relevant Faculty Academic Board.

Application is made directly to the University and must be lodged by the published due date of the semester in which the student wishes to resume. The student must submit a written statement in support of the application, which should address such factors as changed circumstances, academic and/or vocational performance since exclusion, maturity and motivation.

A student who is permitted to re-enrol following a period of absence will be required to satisfy the course requirements which apply at the time of resumption. Depending on the length of the absence and on changes to course content and structure during the intervening period, the student will not necessarily retain credit for all units completed prior to the absence. The Course Coordinator may require a student to repeat units which have been passed previously or to undertake additional units in order to satisfy the current course requirements.

1.20 Time limits for completion of courses

Students are expected to progress with minimum interruption towards completion of their course.

Time limits have been established for each type of course and are measured in calendar years from the first day of the first semester in which the student was enrolled. The time limits, inclusive of periods of exclusion, leave of absence or other periods of interruption, are as follows:

- Doctoral and Masters degree courses by research: as per course requirements
- Graduate Diplomas and Masters degree courses equivalent to two years of full-time study: 6 years
- Graduate diplomas, Honours degrees, degrees and Masters degrees equivalent to one year of full-time study: 4 years
- Degrees, graduate diplomas and Masters degrees equivalent to one and a half years of full-time study: 5 years
- Bachelor degrees and diploma courses: 10 years
- Combined degree courses: 11 years
- Associate degree and associate diploma courses: 7 years
- Graduate and advanced certificate courses: 2 years
Students who exceed these limits may be asked to show cause why they should not be excluded from further enrolment in the course.

Students excluded because of failure to complete a course within time limits have the right of appeal. (See Section 8, Student appeals.)

2. SANCTIONS ON STUDENTS WHO FAIL TO MEET OBLIGATIONS

The Registrar may impose sanctions on a student who has failed to meet one or more of the following obligations:

- payment of prescribed fees
- payment of late fees
- payment of fines
- payment of a debt to the University
- return of Library materials/Faculty equipment or materials
- conforming with instructions or essential procedures.

One or more of the following sanctions may be applied:

(i) withholding of results
(ii) withholding of transcript of academic record
(iii) withholding of award certificate
(iv) loss of right to re-enrol.

In lieu of (i), (ii) and (iii) above, a statement that the student has completed course requirements may be provided for purposes of seeking employment.

Sanction (iv) shall not apply to a case of failure to meet an obligation to repay a debt to the University.

The student will be informed in writing of the application of sanctions. (Refer to Section 6, Review of grades and academic rulings, for provisions for appeal against the imposition of sanctions.)

The sanctions will be lifted once the student has discharged the obligation which led to their application.

3. NON-AWARD STUDIES

3.1 Definition

Non-award students are those who have approval to undertake certain units from an award course without enrolling in the course itself.

Non-award students receive normal instruction, assessment and examination results in such units but are not admitted to undertake a complete award course.

3.2 Categories

There are two categories of non-award students:

- cross-institution students who undertake QUT units for credit towards an award course at an Australian Commonwealth-funded institution
- visiting students who undertake units from award courses for purposes of professional or personal development, or in order to meet course entry requirements.

3.3 Application procedure

Non-award students are required to make application for each semester in which they wish to study. Applicants are responsible for obtaining information on unit availability, suitability of their background and timetables.

An application for enrolment as a non-award student may be rejected if the applicant does not have an educational background appropriate to the unit/s applied for, or if there are insufficient places remaining in the class. An application for enrolment as a non-award student requires the approval of the relevant Dean of Faculty.

3.3.1 Cross-institution student

FORM: Cross-institution Admission Form (Form X).
SOURCE: QUT Admissions Office Kelvin Grove campus; Campus Enquiry Counters.
An application for admission as a cross-institution student must be accompanied by documentary evidence from a recognised institution of higher education that the proposed unit/s are accepted for credit in a course offered by the institution.

### 3.3.2 Visiting student

**FORM:** Visiting Student Application Form (Form V).

**SOURCE:** QUT Admissions Office Kelvin Grove campus; Campus Enquiry Counters.

**SUBMIT TO:** QUT Admissions Office Kelvin Grove campus; Campus Enquiry Counters.

### 3.4 Fees for non-award studies

Cross-institution students are required as a condition of their enrolment to make payments under the Higher Education Contribution Scheme, and to pay fees for membership of the QUT Student Guild.

Visiting students are required to pay tuition and other fees as advised by the University. Non-payment of fees will lead to cancellation of enrolment.

### 3.5 Rules relating to non-award studies

Non-award students are subject to the University’s student rules generally, with the exception of those relating to unsatisfactory academic performance (Section 7).

Award course students may use previous visiting student studies as a basis for applying for credit under the terms and conditions of the existing policy for transfer of credit (Section 4). The maximum credit allowable will be determined by the rules applying to credit transfer for the specific award course for which the credit is sought.

Where a student is excluded from a course, the student is not permitted to enrol as a non-award student in any unit of that course except at the discretion of the Dean of Faculty responsible for the course.

### 4. TRANSFER OF CREDIT

**FORM:** Application for Credit.

**SOURCE:** Credit Office, Kelvin Grove campus; Campus Enquiry Counters.

**SUBMIT TO:** Credit Office, Kelvin Grove campus; Campus Enquiry Counters.

#### 4.1 Policy

Credit towards a QUT award may be given for assessable learning outcomes achieved through formal and/or informal learning, work-related experience and/or life experience, to an extent that is consistent with maximising student progression while maintaining established academic standards.

It is considered to be in the interests of students to facilitate their movement between institutions and between courses of various types and levels.

The University has negotiated formal arrangements with a number of institutions concerning course articulation and the granting of agreed credit (Appendix 1); where no such arrangement exists, applications will be considered on their individual merit and in the spirit of this policy. The Course Coordinator, in consultation with relevant academic staff, is responsible for approving applications for credit which are not covered by formal arrangement.

Applicants may seek credit for continuing education programs. Such credit may be granted where learning outcomes relevant to the award course can be demonstrated, or where Faculties have arrangements for the automatic granting of credit for designated continuing education programs.

In making a determination on applications for credit, consideration will be given to the following:

**4.1.1 Total credit available**

The maximum credit which may be granted depends on the length of the University award course within which credit is sought. For courses the duration of which is two years of equivalent full-time study or
greater, credit may be granted up to a limit which ensures that the student completes at least the equivalent of one year of full-time study while enrolled in a QUT award course. For courses the duration of which is less than two years of equivalent full-time study, credit may be granted up to a limit which ensures that the student completes at least one half of the total credit points specified for the course while enrolled in a QUT award course.

In practice, credit is approved progressively until:

- account has been taken of all assessed learning outcomes relevant to the course, or
- credit has been awarded up to the credit limit specified above.

Where appropriate, a student may seek to complete an award course of a previously attended institution by enrolling in an agreed program of study at QUT as a cross-institution student. The student’s previous institution must agree in advance to the proposed program of study. It is the student’s responsibility to secure the agreement of the previous institution.

4.1.2 Recency of previous studies

In determining whether credit may be granted, the University must be confident of the currency of the applicant’s knowledge. An applicant cannot obtain credit for studies undertaken ten or more years previous to the date of application unless the applicant makes a special case or is assessed to establish the currency of his/her knowledge. Further, in fields where practice and technology are changing rapidly, credit may not be granted where knowledge has become dated.

4.2 Forms of credit

Three alternatives are available:

4.2.1 Specified exemption

Specified exemption will be approved when prior learning outcomes are assessed as satisfying the objectives and requirements of the course unit or units for which credit is sought.

4.2.2 Unspecified exemption

Where course rules permit, exemption may be given from an unspecified unit on the basis or assessed learning outcomes judged to be equally acceptable within the structure of the course.

4.2.3 Block exemption

Where course rules permit, block exemption of a fixed number of credit points may be given on the basis of assessed learning outcomes judged to be equally acceptable within the structure of the course.

Credit may be granted on a provisional basis, in which case confirmation of the granting credit is dependent on the student’s performance in some specified part of the course.

4.3 Application procedure

4.3.1 Timing of applications

Applicants for entry to a QUT course who also intend to apply for credit should do so immediately they are in possession of all the required documentation on which that credit will be based. Applications for credit may be submitted before an offer of a place in the course has been received, but must be submitted before the stipulated due date for credit applications.

Students already enrolled in a QUT course who become eligible to apply for credit should ensure that their application is submitted before the due date for credit applications in any semester in which the award of credit might affect their enrolment in a particular course unit or units.

Applications for credit received after the due date may not be processed in time for enrolment to be adjusted to reflect the credit granted. Applications received after the census date in any semester cannot be effective for that semester.

4.3.2 Documentation

Applicants are responsible for providing all relevant documentation, for example, an official transcript of results and copies of the outline or syllabus of all completed course units relevant to their application for credit. Before doing so, applicants are encouraged to contact the Course Coordinator to determine which of their previous studies and other learning experiences are likely to be relevant. Undocumented applications for credit are not considered.
4.3.3 Other requirements
Applicants for credit may be required to attend an interview or to undergo such assessment as the Course Coordinator may determine.

4.3.4 Notification
Applicants are notified in writing by the Registrar of the outcome of their application.

4.4 Review of credit application decisions
Applicants for credit who are dissatisfied with the outcome of an application may have the decision reviewed and can expect to be provided with a clear indication of the reasons for the ruling. The review procedure is set out in Rule 6.2 Review of Academic Rulings.

5. ASSESSMENT

ASSESSMENT POLICY

5.1 Assessment policy
Students will be assessed in accordance with the published assessment policy and practices of the Faculty offering the unit.

5.2 Notification of assessment requirements
A unit outline will be published and a copy made available for each student as soon as possible and no later than the second week of a teaching period. The outline will contain at least the following information:
- unit objectives
- statements of all assessment items, including due dates
- procedures to be used in determining the final grade including, where appropriate, a statement of any item/s for which a pass is required in order to gain an overall pass in the unit
- procedures for reviewing the mark for an assessment item
- procedures to facilitate feedback on progressive assessment during the course of a semester
- a reference to the University’s policy on plagiarism and any specific guidance to the student on the nature of the unit’s assessment items.

No subsequent changes to assessment requirements will be made except by mutual agreement between the lecturer responsible for the unit and the students taking the unit, and then only if approved by the relevant Head of School.

ASSESSMENT RULES

5.3 Availability for examinations
Internal students must be available to undertake examinations at the relevant QUT campus throughout periods designated for centrally organised examinations and at times specified in unit outlines for School-based examinations. External students will sit examinations at the same time as internal students; however, they undertake them at external examination centres. A student who fails to attend an examination receives no mark for the examination unless he or she is granted a deferred examination.

Examinations may be held between 8.00am and 9.00pm on weekdays, and 8.00am and 6.00pm on Saturdays.

5.4 Timetables
Final timetables for centrally organised examinations will be released to students no later than two weeks prior to their commencement.

5.5 Student identification
Students must bring into the examination room and keep displayed their current Student Identification Card.

5.6 Students to comply with directions
5.6.1 A student shall comply with all directions given by the examination supervisor and all instructions to candidates set out on the examination materials or displayed in the examination room.

5.6.2 A student’s behaviour must not disturb, distract or adversely affect any other student.
5.7 Entering and leaving an examination room

5.7.1 Students who are given permission to enter or leave an examination room shall comply with all conditions on which the permission is given.

5.7.2 Students are not permitted to leave the examination room:
(i) until half the prescribed working time has elapsed
(ii) during the last 15 minutes of working time

unless there are exceptional circumstances such as illness.

5.7.3 Students who arrive late and before half the working time of the examination has elapsed will normally be permitted to take the examination. However, no additional working time will be allowed unless exceptional circumstances warrant.

In the case of central examinations, the decision to grant extra time is made by the Examinations Officer, in consultation where necessary, with the Unit Coordinator.

5.8 Unauthorised material not to be brought into the examination room

Students may bring into an examination room only those materials approved for the unit under examination and indicated as such on the examination paper. All other materials are expressly prohibited unless:
(i) brought into the room with the permission of the supervisor, and
(ii) deposited by the student directly upon entering the examination room at a place stipulated by the examination supervisor.

It is inconsequential for this rule that the unauthorised material is not related to the unit under examination.

5.9 Student not to remove papers

A student shall not remove from the examination room any worked scripts or other paper provided for use during the course of the examination (other than the question paper supplied where this is authorised by the examination supervisor) or other material which is the property of the University.

5.10 Student not to communicate with others

During an examination a student shall not communicate by word or otherwise with any other person except the examination supervisor or examiner.

5.11 Cheating

Students are expected to exhibit honesty and ethical behaviour in undertaking assessment requirements of units. Cheating is defined as any behaviour whatsoever by students in relation to any item of assessment which may otherwise defeat the purposes of the assessment.

A student shall not cheat, attempt to cheat, or incite or assist other students to cheat in any assessment item.

5.12 Plagiarism

A student shall not plagiarise in any item of assessment.

Plagiarism is the act of taking and using another person’s work as one’s own. Where plagiarism occurs in items of assessment contributing to the result in a unit or course, it shall be regarded as, and treated in the same manner as, cheating in an examination. For the purpose of these rules any of the following acts constitute plagiarism unless the work is appropriately acknowledged:

- copying the work of another student
- directly copying any part of another person’s work
- summarising the work of another person
- using or developing an idea or thesis derived from another person’s work
- using experimental results obtained by another person
- incitement by a student of another to plagiarise.

**PENALTIES FOR BREACH OF ASSESSMENT RULES**

5.13 Penalties

5.13.1 If a student breaches Rules 5.6, 5.7, 5.8, 5.9, 5.10, 5.11, or 5.12, the student may be dealt with under the Student Discipline By-law.
5.13.2 A student who breaches any of the rules stated in 5.13.1 above shall be liable, in addition to any other penalty, to incur the following penalties:

(i) the award of a Low Fail result in the unit concerned
(ii) the award of Low Fail results in all units in which the student would have received final results in the same academic semester
(iii) exclusion from the University for a period
(iv) expulsion from the University.

5.13.3 Students accused of a breach of the rules will be given the opportunity to show cause why a penalty should not be applied.

5.13.4 A student excluded because of breach of assessment may appeal to the Academic Appeals Committee. An appeal must state the grounds and reasons for the appeal and must reach the Secretary of the Academic Appeals Committee within 14 days of the date of the letter advising the student of the penalty.

**DEFERRED EXAMINATIONS AND SPECIAL CONSIDERATION OF FACTORS AFFECTING STUDENT’S PERFORMANCE IN ASSESSMENT**

- **FORM:** Application for Deferred Examination/Special Consideration.
- **SOURCE:** Examination Office, Gardens Point campus; Campus Enquiry Counters.
- **SUBMIT TO:** Examination Office, Gardens Point campus; Campus Enquiry Counters.

5.14 Deferred examinations

Students who through medical or other exceptional circumstances beyond their control are unable to attend an examination at the prescribed time or complete an examination may apply to sit for a deferred examination. Applications for deferred examinations should include the documentation detailed in Rule 5.16 and should normally be submitted prior to or within three days of the examination date, depending on the circumstances. Normally, deferred examinations are not granted to candidates who misread examination timetables. A deferred examination is regarded as a significant concession to a student and, as such, will only be granted when a properly documented and timely case is made by the applicant. Students should not expect to be granted an unlimited number of deferred examinations. Students will receive written notification of the outcome of their application including, where appropriate, the date, time, campus and format of the deferred examination.

5.15 Special consideration of factors affecting assessment performance

Students who consider that their performance in an assessment item was adversely affected by illness or other exceptional circumstances beyond their control may apply for special consideration. Applications for special consideration, including the documentation detailed in Rule 5.16, should normally be submitted prior to or within three days of the examination or the submission of the assessment item.

5.16 Documentation required for deferred examination or special consideration

5.16.1 Students applying for a deferred examination or special consideration on medical grounds must submit a medical certificate from a registered medical or dental practitioner stating:

(i) **For a deferred examination**
- the date on which the practitioner examined the student
- the nature, severity and duration of the complaint (where appropriate)
- that in the practitioner’s opinion the student was **not fit to sit for an examination** on that day.

(ii) **For special consideration**
- the date on which the practitioner examined the student
- the nature, severity and duration of the complaint, or
- the practitioner’s opinion of the effect of the complaint on the student’s ability to perform satisfactorily in the assessment item.

In the case of an application for a deferred examination, a statement that a student was ‘not fit for duty’ will no be accepted. When applying for special consideration, a statement that a student is/was suffering from
a ‘medical condition’, without supporting comments from the practitioner as to the effect of the complaint, will not allow full consideration to be given to the student.

It is preferred that the practitioner provides a statement on surgery letterhead paper, or alternatively, completes the formatted medical certificate printed on the reverse side of the application form.

5.16.2 Students applying for a deferred examination or special consideration on other than medical grounds must submit with the application a statutory declaration stating the disability or exceptional circumstances which:

☐ prevented or will prevent the student from sitting for the examination in the case of an application for a deferred examination
☐ affected the student’s performance in the assessment item in the case of an application for special consideration.

Students should also supply any corroborative evidence in support of the application.

RELIGIOUS CONVICTIONS

5.17 Alternative examination sittings

Students with religious convictions which preclude attendance at examinations in accordance with the official timetable have the right to alternative examination arrangements. Written requests for alternative examination sittings must be submitted to the Examinations Officer within 14 days of the release of the final timetable and include supporting documentation from the religious leader on organisational letterhead.

GRADING SCALE

5.18 Final results

Pass Grades

7 High Distinction
6 Distinction
5 Credit
4 Pass
3 Low Pass (see Note)
S3 Pass Supplementary; final grade awarded following satisfactory completion of supplementary assessment (see Note), or
S Satisfactory (where approved for use).

Fail Grades

2 Fail
S2 Fail Supplementary
1 Low Fail
K Withdrawn - Failure, or
U Unsatisfactory (where approved for use).

(Note: A grade of 3 counts as a passing grade for the purpose of completing award requirements and fulfilling prerequisite requirements, except where it is stated in course rules that a higher grade is required. The limit on the number of grades of 3 which may be credited towards an award is specified in Appendix 2. Grades of S3 are not regarded as equivalent to grades of 3 for purposes of Appendix 2.)

Other Results

E Exempt
W Withdrawn

5.19 Unfinalised results

The following will be recorded when a result is not finalised at the time of release of results:

A Result Unfinalised – The result will be issued when available.
SA Supplementary Assessment – Student is to undertake supplementary assessment.
DA Deferred Assessment – Student is to undertake deferred assessment.
T Assessment Continues – Studies extending over more than one semester.

5.20 Grade Point Average

The Grade Point Average (GPA) is a simple numerical index which summarises the student’s academic performance in a course in a single semester and over the duration of the student’s enrolment in the course.
The GPA is reported on the Certificate of Results and on the Statement of Academic Record. Two values of the GPA are given: the GPA for the semester and the GPA in the course.

\[
\text{GPA} = \frac{\sum (\text{credit points of unit} \times \text{numeric value of grade})}{\sum (\text{credit points of unit})}
\]

**Notes:**
- The GPA calculation includes all attempts at units which are awarded a numeric grade or the result ‘Withdrawn – Failure’ (which is converted to a 1).
- Unfinalised results are not included in the calculation.
- Only QUT units are included (not units taken at an external institution).
- Only units taken after the introduction of the seven-point grading scale are included in the calculation.

**RELEASE OF RESULTS**

**5.21 Release of results**
Following certification by Deans of Faculties, results will be released at the direction of the Registrar.

**5.22 Notification of results**
A Certificate of Results will be mailed to each student at the end of each semester and after the completion of any Summer School studies.
Passing grades and unfinalised results are published in the press.
Noticeboard lists containing all results are placed on University campus noticeboards.

**5.22.1 Request for non-publication of results**

**FORM:** Application for Non-publication of Results.

**SOURCE:** Examination Office, Gardens Point campus; Campus Enquiry Counters.

**SUBMIT TO:** Examination Office, Gardens Point campus; Campus Enquiry Counters.

Students may request to have their results withheld from public release on campus noticeboards and in the press. Application must be made no later than 30 May for first semester, 30 October for second semester and 31 December for Summer School studies. The request to withhold results from public release will remain in force until revoked in writing by the student.

**GRADUATION**

**5.23 Eligibility for graduation**
Students are eligible to graduate upon completion of course requirements.

A passing grade must be achieved in all units set out in the course structure, except that in certain specified units a grade of 4 or better must be obtained to satisfy the course requirements. In addition, Faculty Academic Boards have set a limit on the number of grades of 3 which may be credited towards awards. These limits are specified in Appendix 2.

Once a student has completed course requirements, a date of completion and the student’s graduation name will be recorded. The date of completion will normally be the date of the release of the final grade to effect graduation.

**6. REVIEW OF GRADES AND ACADEMIC RULINGS**

**FORMS:** Application for Review of Grade, Application for Review of Academic Ruling.

**SOURCE:** Examination Office, Gardens Point campus; Campus Enquiry Counters.

**SUBMIT TO:** Examination Office, Gardens Point campus; Campus Enquiry Counters.

**6.1 Review of grades**
During the course of a semester students should discuss their progress in all coursework exercises (including examinations which form part of progressive assessment) with relevant teaching staff, and can expect to be
provided with a clear indication of the extent to which they have or have not achieved the objectives set for each assessment item.

Any student who believes that an error has been made or an injustice done with regard to a final grade for a unit may request a review of the grade.

Where, after discussion, the student believes that an error persists or that the final grade is not a fair reflection of his or her work, the student may request a review at the end of semester following notification of the final grade.

The review process may involve three steps.

**Step 1 – Informal consultation**
Upon notification of the final grade, a student who is dissatisfied with the grade should contact relevant teaching staff (lecturer, Unit Coordinator, Course Coordinator) and seek clarification of the reason for the grade.

**Step 2 – School-level review**
If a student remains dissatisfied after Step 1, or if the student is unable to make contact with relevant teaching staff, an application for a formal review may be submitted. Applications must be made on an Application for Review of Grade Form.

Applications normally must be submitted to the Registrar within 14 days of the release of the results, accompanied by appropriate information and documentation if available, and must state the specific grounds on which the application for review is based.

The Application for Review is forwarded to the Head of School responsible for the unit in dispute, who determines the form of the review. The University minimally requires that any such review consider whether all items of assessment have been marked and whether the aggregate marks were compiled accurately.

The Registrar normally advises students of the outcome within 14 days of receipt of the application.

**Step 3 – Faculty-level review**
A student who is dissatisfied with the outcome of Step 2 may apply to the Registrar within seven days of receipt of such notification to progress to a further stage of review. The student must resubmit the Application for Review Form stating why the previous review was inadequate and may provide additional reasons or evidence for the further review.

The application is forwarded through the chairperson to the Faculty review committee, which is a sub-committee of the Faculty academic board, and which minimally must comprise the Dean (or nominee), a member of academic staff and a student representative appointed by the Faculty academic board. The quorum of the committee is three. The committee determines whether grounds exist for the further review.

The process for Step 3 requires the Faculty involved, through the relevant Head of School, to reconsider the assessment of the item(s) in dispute. All such reconsiderations must be accompanied by a written rationale for the final decision reached, to ensure that due process has been observed and that a record exists of the decision.

Outcomes of such reviews must be endorsed by the Faculty-level review committee. The committee determines whether reviews have been conducted appropriately, monitors the number and type of reviews conducted and reports on its activities to the Faculty academic board.

The Registrar normally advises students of the outcome within 21 days of receipt of the application.

Reviews may lead to no change or to either a less favourable or more favourable outcome for the student.

Reviews under Steps 2 and 3 involve separate fees, which are reimbursed if a higher grade is awarded following the review.

**6.2 Review of academic rulings**
Students who have received advice of a ruling in regard to an academic matter (for example, amount of credit awarded, cancellation of units, amendment of enrolment program, refusal of application to waive prerequisite), and who wish to be provided with further information on the basis and implications of the ruling, should contact their Faculty office. Faculty administration officers will provide available information in response to such a request, or arrange for the student to have further discussions as deemed appropriate in the circumstances.
If, after having received such further advice, the student believes that an error has been made or that a ruling is unjust, the student is entitled to submit an application for review. Applications must be made on an Application for Review of Academic Ruling Form.

Applications must be submitted to the Registrar within 14 days of mailing of written advice of a ruling. Applications must be accompanied by appropriate information and documentation if available, and must state the specific grounds on which the application for review is based.

Applications are referred to the relevant dean of faculty, who determines the form of the review. A review may lead to no change or to either a less favourable or more favourable outcome for the student. The Registrar advises students of the outcome of reviews.

6.3 Status of students awaiting the outcome of a review
The University will make determinations on reviews as soon as practicable, but will not necessarily resolve any particular case before the close of enrolments for the next semester.

In this event the student remains bound, pending resolution of the case, by the ruling or by the consequences of the grade which are the subject of the review or appeal, except in special circumstances as may be determined by the Registrar.

7. UNSATISFACTORY ACADEMIC PERFORMANCE AND EXCLUSION
Students are expected to maintain a satisfactory level of performance in their studies at QUT. Performance is reviewed at the end of each semester. Students whose performance is unsatisfactory are placed on probationary enrolment. If performance continues at an unsatisfactory level the student may be excluded.

In addition, a single failure in a unit designated as critical to students’ progress in the course may result in exclusion.

This policy applies to studies undertaken while enrolled in an award course. Non-award students are required to apply for enrolment each semester, and their applications may be accepted or rejected by the Registrar on the recommendation of the relevant Dean of Faculty.

7.1 Probationary enrolment
A student is placed on probationary enrolment if:
(i) the student fails a unit which has been failed previously, or
(ii) the student has a Grade Point Average of less than 3.0 in the course in which he or she is enrolled.

For the purpose of this rule a unit is uniquely identified by the unit code. Where a unit code has been changed on administrative grounds, the unit will be deemed to be the same unit for the purpose of this rule.

The Registrar notifies students that they have been placed on probationary enrolment and advises them that they should discuss their progress with their Course Coordinator.

7.2 Terms of probationary enrolment
Students on probationary enrolment are required to enrol as the Course Coordinator directs.

Students placed on probationary enrolment at the end of first semester remain on probationary enrolment for the duration of the following semester. Students placed on probationary enrolment at the end of second semester remain on probationary enrolment for the duration of the following academic year.

If a student cancels their enrolment while on probationary enrolment, any subsequent enrolment in that course is a probationary enrolment for the purposes of defining eligibility for exclusion. The periods of probationary enrolment before and after the period of cancelled enrolment are counted as one period of probationary enrolment.

7.3 Exclusion
The Faculty academic board may exclude a student under the following circumstances:
(i) at the end of an academic year, the academic board may exclude a student who has had, or is eligible for, a second or subsequent period of probation during the year
(ii) at the end of a semester, the academic board may exclude a student who has failed to achieve a satisfactory level of performance in a designated unit.
Designated units are indicated in Appendix 3 and include professional experience units, units requiring the development of particular skills and units requiring certain personal qualities. A satisfactory level of performance in a designated unit is a grade of 4 (Pass) or higher, or S - Satisfactory, where appropriate.

A student who is eligible under (i) or (ii) above but who is not excluded by the academic board is placed on probation.

Exclusion normally applies to the course in which the student was enrolled. An academic board may exclude a student from all courses or a specified group of courses offered by the faculty if the student is eligible for exclusion under (i) or (ii) above and has either had at least two periods of probationary enrolment or been excluded previously from another QUT course.

The academic committee, on the recommendation of the academic board, may exclude a student from all QUT courses if the academic board is recommending exclusion from all the Faculty’s courses and the student has been excluded previously from a course in another faculty.

An excluded student may not enrol as a non-award student in any units in the course or courses from which they have been excluded except at the discretion of the Dean of the Faculty responsible for the course.

Students who are excluded are notified by registered mail. Excluded students have the right of appeal to the Academic Appeals Committee.

7.4 Duration of exclusion and readmission after exclusion

If a student does not appeal against an exclusion decision or if the student’s appeal is not successful, the exclusion remains in force for an indefinite period of time and may only be revoked by the decision of the Faculty academic board to approve an application for readmission.

An application for readmission will not be considered until at least two semesters have elapsed since exclusion.

The student’s application for readmission must be accompanied by a statement which addresses such factors as changed circumstances, academic and/or vocational performance since exclusion, maturity and motivation.

Students readmitted after a period of exclusion will be placed on probationary enrolment for the remainder of the academic year.

At the end of the academic year, the academic board of the relevant Faculty will review the academic performance of each student readmitted to the course during that year. If the student’s Grade Point Average since readmission is less than 3.5, the student may be excluded as per Rule 7.3.

If the student is permitted to proceed with the course, in subsequent years the student is subject to the probationary rules. In administering the probationary rules, units failed prior to the period of exclusion and the Grade Point Average prior to the period of exclusion will be taken into account.

8. STUDENT APPEALS

A student who has been excluded on the grounds of unsatisfactory academic performance or failure to complete an award within time limits or who has been excluded because of breach of assessment rules has right of appeal.

8.1 General procedure to lodge an appeal

Appeals are made in writing to the Secretary of the Academic Appeals Committee. Applications must be made on an exclusion appeal form and must include the grounds and reasons for the Appeal. Appeals must reach the Secretary of the Academic Appeals Committee within 14 days of the date of the letter which advised the student of the exclusion.

8.2 Appeals against exclusion for unsatisfactory academic performance

An appeal against exclusion for unsatisfactory academic performance is referred to the relevant Faculty Academic Board. The Academic Board recommends to the Academic Appeals Committee whether the appeal should be upheld or dismissed. The Committee considers:

- whether the penalty imposed and procedures followed were correct according to policy and rules
- the severity or otherwise of the penalty imposed
- mitigating circumstances advanced by or on behalf of the student in the appeal.
Appellants may be invited to present their case to the Academic Appeals Committee at a time nominated by the Committee. An appellant may choose to be accompanied by a companion. The companion may not speak unless invited to do so by the Chair of the Committee. A representative of the Equity Board may be invited to attend the Academic Appeals Committee.

When an appeal against exclusion is upheld, the student is placed on probationary enrolment for the remainder of the academic year.

8.3 Appeals against exclusion for failure to complete a course within time limits
An appeal against exclusion for failing to complete a course within time limits is referred to the relevant Academic Board. The Academic Board recommends to the Academic Appeals Committee whether the appeal should be upheld or dismissed. The Committee considers:

- whether the penalty imposed and the procedures followed were correct according to the relevant policies and rules
- the severity or otherwise of the penalty imposed
- mitigating circumstances advanced by or on behalf of the student in the appeal.

Appellants may be invited to present their case to the Academic Appeals Committee at a time nominated by the Committee. An appellant may choose to be accompanied by a companion. The companion may not speak unless invited to do so by the Chair of the Committee. A representative of the Equity Board may be invited to attend the Academic Appeals Committee.

When the Academic Board recommends that an appeal be upheld, the Board includes in its report a specified period in which the student will complete the course requirements and any units or special examinations that the student will be required to undertake.

When the Academic Appeals Committee decides that an appeal be upheld, the appeal is referred back to the Academic Board to determine conditions under which the student may complete the course.

8.4 Appeals against exclusion for breach of assessment rules
An appeal against exclusion for cheating is referred to the Academic Appeals Committee which determines whether the appeal should be upheld or dismissed. The Committee considers:

- whether the original penalty was correct under the relevant rules
- whether procedures were properly carried out
- the severity or otherwise of the penalty imposed.

Appellants may be invited to present their case to the Academic Appeals Committee at a time nominated by the Committee. An appellant may choose to be accompanied by a companion. The companion may not speak unless invited to do so by the Chair of the Committee. A representative of the Equity Board may be invited to attend the Academic Appeals Committee.

8.5 Status of students awaiting the outcome of an appeal
The University will make determinations on academic appeals as soon as practicable, but will not necessarily resolve any particular case before the close of enrolments for the next semester.

In this event the student remains bound, pending resolution of the case, by the ruling or by the consequences of the grade which are the subject of the appeal, except in special circumstances as may be determined by the Registrar.

9. HIGHER EDUCATION CONTRIBUTION SCHEME*
* the 1996 Federal Budget proposed a number of significant changes to the operation of HECS in 1997. At the time of publication these changes have not been legislated by the Commonwealth Government.

Under Commonwealth government legislation, all students must comply with certain conditions with respect to the Higher Education Contribution Scheme (HECS) as a condition of their enrolment.

9.1 HECS Payment Options Form
All students are required to lodge the HECS Payment Options Form at the time of their initial enrolment in a course. Proof of citizenship or residency may be required when lodging this form. A new HECS Payment Options Form must be lodged when a student changes course or when a student wishes to change HECS payment options. Students concurrently enrolled in more than one course are required to lodge a new HECS Payment Options Form for each course.
Unless a student is exempted from HECS under the terms of the Commonwealth legislation, the student must select either the up-front payment option or the deferred option as the method for making their HECS payment. Under certain circumstances students who select the up-front payment option may also choose the Safety Net provision.

Students who fail to lodge a valid HECS Payment Options Form by the first day of the semester of enrolment in their course will have their enrolment cancelled on the grounds that they have not fulfilled the conditions of enrolment.

**9.2 Australian permanent residents and New Zealand citizens**

Australian permanent residents who have not become citizens within one year of meeting the residency requirements for citizenship are required to pay their HECS up-front without discount. The deferred payment option is not available to these students. Students who have been permanent residents for less than three years may select the deferred payment option.

New Zealand citizens who do not also hold Australian citizenship are required to pay their HECS up-front without discount, regardless of the duration of their residence in Australia. The deferred payment option is not available to these students.

**9.3 Changing HECS payment option**

Eligible students may change their HECS payment option by lodging a new HECS Payment Options Form by the first day of the semester. The new payment option applies to all future semesters until a further change of payment option is notified.

**9.4 The HECS Notice of Liability**

Following the census date for a semester, students are provided with a HECS notice setting out their HECS liability for the semester which was determined by their unit enrolment on the census date. Students have 14 days from the date of the HECS Notice of Liability to advise Student Administration of any error in the notice.

**10. STUDENT GUILD FEE RULES**

**10.1 Membership of the Guild**

Subject to Rule 10.2, all enrolled students, excepting such persons or classes of persons as QUT Council declares by resolution to be ineligible for membership, shall be members of the Guild.

**10.2 Conscientious objection**

An enrolled student who:

- declares by letter addressed to the Registrar the nature of his or her conscientious objection to being a member of the Guild
- notifies the Guild that he or she has made such declaration in writing to the Registrar
- pays to QUT an amount equivalent to the Guild fees which would be payable if the student were a member of the Guild, and
- pays to QUT an amount equivalent to 10 per cent of the Guild fees as a fee for use of University facilities in processing the declaration of conscientious objection

is exempt from membership of the Guild.

**10.3 Fees to be paid**

Guild fees payable for membership of the Guild shall be the amount approved by QUT Council. Guild fees for both semesters shall be paid in full prior to, or at the time of, submitting an enrolment form.

**10.4 Consequences of non-payment or part-payment**

If Guild fees payable by a student have not been paid at the time of lodging an enrolment form, or the student has not notified the Registrar of a conscientious objection as per Rule 10.2, the Registrar may refuse to accept the student’s enrolment.

A student who has not paid all Guild fees due and who satisfies the Registrar that he or she is unable to make payment at the time of submitting an enrolment form may be granted an extension of time in which to pay the fees. In this case the enrolment is accepted subject to an agreement that all Guild fees will be paid by the extended date indicated by the Registrar.
A student who has not paid the full amount of Guild fees due may have their enrolment cancelled or may have sanctions imposed as specified in Rule 2.

10.5 Refund of fees
A student who cancels enrolment on or before 31 March for first semester or 31 August for second semester shall be entitled to a refund of the Guild fees for that semester. The refund will be made by the University on behalf of the QUT Guild. The student is required to surrender any current QUT Student Card.

11. MISCELLANEOUS STUDENT CHARGES

11.1 Guild fees
The annual Guild membership fees for 1997 are:

- Full-time students: $170
- Part-time students: $68
- External students: $20

11.2 Postgraduate tuition fees
Students enrolled in courses shown below will be required to pay the postgraduate tuition fee listed, unless they have been previously enrolled in the course on a HECS liable basis.

Fee per credit point

<table>
<thead>
<tr>
<th>Faculty of Arts</th>
<th>Fee per credit point</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT24 Graduate Certificate in Arts</td>
<td>$60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Faculty of Built Environment and Engineering</th>
<th>Fee per credit point</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE78# Master of Engineering Science in Electricity Supply Engineering</td>
<td>$142</td>
</tr>
<tr>
<td>EE60 # Graduate Diploma in Electricity Supply Engineering</td>
<td>$142</td>
</tr>
<tr>
<td>EE82# Graduate Certificate in Electricity Supply Engineering</td>
<td>$142</td>
</tr>
<tr>
<td>CN81 Graduate Certificate in Project Development</td>
<td>$80</td>
</tr>
<tr>
<td>ME75 Graduate Certificate in Engineering Management</td>
<td>$65</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Faculty of Business</th>
<th>Fee per credit point</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS81 Master of Business Administration (Professional)</td>
<td>$75</td>
</tr>
<tr>
<td>GS80 Master of Business Administration (International)</td>
<td>$75</td>
</tr>
<tr>
<td>BS89 Master of Business (Professional Accounting)</td>
<td>$75</td>
</tr>
<tr>
<td>GS70 Graduate Diploma in Business Administration</td>
<td>$75</td>
</tr>
<tr>
<td>BS30 Graduate Certificate in Management</td>
<td>$75</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Faculty of Education</th>
<th>Fee per credit point</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED14 Master of Education (TESOL)</td>
<td>$60</td>
</tr>
<tr>
<td>ED61 Graduate Certificate in Education</td>
<td>$60</td>
</tr>
<tr>
<td>ED77 Graduate Certificate in Education (TESOL)</td>
<td>$60</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Faculty of Health</th>
<th>Fee per credit point</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS32 Graduate Certificate in Nursing</td>
<td>$60</td>
</tr>
<tr>
<td>HL38 Graduate Certificate in Health Science</td>
<td>$60</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Faculty of Information Technology</th>
<th>Fee per credit point</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT18 Graduate Certificate in Information Technology</td>
<td>$100</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Faculty of Science</th>
<th>Fee per credit point</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC52* Graduate Certificate in Applied Science</td>
<td>$60</td>
</tr>
<tr>
<td>SC72* Graduate Diploma in Applied Science</td>
<td>$60</td>
</tr>
<tr>
<td>SC82* Master of Applied Science (Coursework)</td>
<td>$60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Interfaculty</th>
<th>Fee per credit point</th>
</tr>
</thead>
<tbody>
<tr>
<td>IF68 Graduate Certificate in Quality</td>
<td>$75</td>
</tr>
</tbody>
</table>

# Additional charges may apply to students enrolling in short course or distance education units. Students enrolling in EE78 will incur an additional $1000 thesis supervision charge.

* Proposed new postgraduate tuition fee paying course in 1997.

Students who fail to pay the invoiced amount by the due date will be charged a late fee for acceptance of the payment. Failure to pay the required fee by the semester census date will lead to cancellation of enrolment.
11.3 Visiting Student Fees
The Visiting Student Fees applicable to each faculty are:

<table>
<thead>
<tr>
<th>Fee per credit point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty of Arts</td>
</tr>
<tr>
<td>Faculty of Built Environment and Engineering</td>
</tr>
<tr>
<td>Faculty of Business – Undergraduate</td>
</tr>
<tr>
<td>– Postgraduate</td>
</tr>
<tr>
<td>Faculty of Education</td>
</tr>
<tr>
<td>Faculty of Health</td>
</tr>
<tr>
<td>Faculty of Information Technology</td>
</tr>
<tr>
<td>Faculty of Law – Undergraduate</td>
</tr>
<tr>
<td>– Postgraduate</td>
</tr>
<tr>
<td>Faculty of Science</td>
</tr>
</tbody>
</table>

Students who fail to pay the invoiced amount by the due date will be charged a late fee for acceptance of the payment. Failure to pay the required fee by the semester census date will lead to cancellation of enrolment.

11.4 Postgraduate tuition fee and visiting student fee refund policy
For single and multi-semester units undertaken in the first or second semester, students who cancel their enrolment in the first two weeks of the semester are entitled to a full refund of any fees paid. Where cancellation occurs from the third week of the semester to 31 March in the case of the first semester, or 31 August in the case of second semester, a refund administration charge equivalent to 25 per cent of the student’s assessed liability will be levied. Where cancellation occurs after 31 March in the case of first semester, or 31 August in the case of second semester, no refund of fees will be approved.

For units undertaken in the Summer School period and units undertaken in the intensive study mode, students who cancel their enrolment prior to the commencement of teaching are entitled to a full refund of any fees paid. Where cancellation occurs after the commencement of teaching and before the end of the second week, a refund administration charge equivalent to 25 per cent of the student’s assessed liability will be levied. Where cancellation occurs after the second week of teaching no refund of fees will be approved.

The Registrar, on advice from the Faculty, may waive the refund administration charge when satisfied that the cancellation was necessitated by medical, compassionate or other exceptional circumstances.

11.5 Administrative charges*
* these charges are subject to review, and the University reserves the right to make changes as necessary.

<table>
<thead>
<tr>
<th>Fee per charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Late lodgement of application for admission</td>
</tr>
<tr>
<td>Late lodgement of enrolment form</td>
</tr>
<tr>
<td>Late addition to an enrolment program</td>
</tr>
<tr>
<td>Addition to enrolment program not made on the prescribed form</td>
</tr>
<tr>
<td>Reinstatement of enrolment following administrative cancellation</td>
</tr>
<tr>
<td>Lodgement of Postgraduate Change of Preference Form</td>
</tr>
<tr>
<td>Review of grades (refundable)</td>
</tr>
<tr>
<td>Step 2 – School-level review</td>
</tr>
<tr>
<td>Step 3 – Faculty-level review</td>
</tr>
<tr>
<td>Copy of examination script</td>
</tr>
<tr>
<td>Statement of Academic Record</td>
</tr>
<tr>
<td>Re-issue of ID card</td>
</tr>
<tr>
<td>Late collection of ID card</td>
</tr>
<tr>
<td>Re-issue of Award Certificate</td>
</tr>
<tr>
<td>Re-issue of receipt for fees paid</td>
</tr>
<tr>
<td>Late fee for up-front HECS payment</td>
</tr>
<tr>
<td>Late fee for payment of tuition fees</td>
</tr>
<tr>
<td>Re-issue of Notice of HECS liability</td>
</tr>
</tbody>
</table>

11.6 Deposit system for use of laboratory facilities
A student enrolled in any unit included in the ‘Schedule of Units relating to Laboratory Deposits’, which the Registrar may vary from time to time, shall deposit $50 for the use of laboratory facilities.

The student shall be required to pay only one deposit irrespective of the number of such units included in an enrolment.

At the end of the year the deposit shall be refunded to the student less the cost of any breakages which have not been made good.
APPENDIX 1: CREDIT TRANSFER POLICIES

1.1 Policy statement: general principles concerning transfer of credit and combined awards – Technical and Further Education; Training, Employment, Queensland (TAFE.TEQ)/QUT

There is a history of favourable credit transfer arrangements between various TAFE.TEQ and QUT courses. Further, there is a general willingness on the part of TAFE.TEQ and QUT to review courses to identify areas in which advanced standing, transfer of credit, efficient progression from TAFE.TEQ to QUT courses and the development of combined awards might be appropriate. TAFE.TEQ and QUT seek to eliminate unnecessary barriers to student progression, recognise problem areas and seek appropriate solutions and processes so that increased numbers of better educated graduates can be made available to industry.

The following principles form the substance of the agreement between QUT and TAFE.TEQ in this area.

Principles

Note: These principles apply specifically to credit transfer arrangements and combined awards between TAFE.TEQ associate diploma and diploma courses and QUT degree level courses in related fields.

(i) Course development/review: When developing and/or reviewing units with common or closely linked vocational outcomes, TAFE.TEQ and QUT will work in consultation with a view to establishing automatic equivalence. Units developed in this way will give TAFE students full QUT exemptions.

(ii) Block exemptions: The awarding of block credits is given a high priority. This allows for appropriate substitution in degree courses without disadvantaging the student’s foundation in core discipline units. While a normal exemption would comprise 96 credit points (Associate Diploma), in certain circumstances additional credit may be awarded.

(iii) Individual unit exemptions: Where there is a close equivalence between TAFE.TEQ and QUT units and/or they have been prepared jointly, then the student will be given credit for individual units that fall outside those already credited in any block exemption.

(iv) Maximum recognition of previously completed learning: A student should be given maximum recognition for prior learning. Credit should be given for all appropriate learning experiences.

(v) The adoption of flexible constructs for credit exemptions: Flexible constructs should be adopted to ensure that the combined credit exemptions of unit blocks, individual units and recognition of prior learning are not reduced by a pre-determined ceiling. The only limiting factor in such arrangements is standard QUT policy regarding transfer of credit.

(vi) Joint use of resources: Where appropriate and mutually beneficial, maximum utilisation of joint resources (human and physical) will be made in the development and delivery of courses.

(vii) Combined awards: Where joint arrangements could provide more effectively for the flexibility and specialisations sought by industry, the development of combined awards will be encouraged.

(viii) New articulation and credit transfer arrangements: Individuals or groups seeking to initiate any development that may lead to articulation and/or transfer of credit between TAFE.TEQ and QUT are to do so through the appropriate Associate Director (TAFE.TEQ) and Dean of Faculty (QUT).

1.2 Articulation of awards

The University considers that it is in the interest of students to facilitate their movement between courses of various types and levels. In developing new courses or revising existing courses, Faculties are asked to pay particular attention to achieving close articulation between courses both within the University and between institutions/sectors (e.g. QUT and TAFE.TEQ).

Specific articulation and credit transfer arrangements between levels of completed awards in related fields will normally be as follows:

- **Associate degree and associate diploma awards**
  
  Upon entry to these awards, students will normally gain credit on the basis of the following:
  
  (i) certificate – 24 credit points (0.5 semester),\(^1\) or
  
  (ii) advanced certificate – 48 credit points (1.0 semester).

\(^1\) *All semester values refer to full-time or equivalent. QUT operates on standard length semesters of 48 credit points.*
Diploma awards
Upon entry to these awards, students will normally gain credit on the basis of the following:
(i) associate diploma – 144 credit points (3.0 semesters).

Bachelor degree awards
Upon entry to these awards, students will normally gain credit on the basis of the following:
(i) associate diploma – 96 credit points (2.0 semesters), or
(ii) diploma – 192 credit points (4.0 semesters).

Graduate diploma awards
Upon entry to these awards, students will normally gain credit on the basis of the following:
(i) graduate certificate – 48 credit points (1.0 semester).

Two-year Masters degree awards
Upon entry to these awards, students will normally gain credit on the basis of the following:
(i) four-year Bachelor degree at Honours standard - 96 credit points (2.0 semesters), or
(ii) Honours – 96 credit points (2.0 semesters), or
(iii) graduate certificate – 48 credit points (1.0 semester) or
(iv) graduate diploma – 96 credit points (2.0 semesters).

Professional doctorate awards
Upon entry to these awards, students will normally gain credit on the basis of the following:
(i) Masters degree – 48 credit points (1.0 semester).

Doctor of Philosophy awards
Upon entry to these awards, students will normally gain credit on the basis of the following:
(i) Masters degree – 48 credit points (1.0 semester).

Specific articulation and credit transfer arrangements between levels of awards in related fields on the basis of incomplete studies will normally be as follows:

Masters degree awards
Students admitted to a doctoral research award or a professional doctorate award but who either do not qualify to progress to the award or do not wish to proceed may on application be transferred to a Masters degree award.

Graduate diploma awards
In specifically designed Masters/graduate diploma awards, students may be granted a graduate diploma on the basis of the following:
(i) Masters degree by coursework – satisfactory completion of at least 96 credit points (2.0 semesters) if they either do not qualify or do not wish to proceed to the higher level award.

Graduate certificate
In specifically designed Masters/graduate diploma awards, students may be granted a graduate certificate on the basis of satisfactory completion of at least 48 credit points (1.0 semester) of units which constitute an approved graduate certificate program.
APPENDIX 2: ELIGIBILITY FOR GRADUATION – LIMITS ON GRADES OF 3

FACULTY OF ARTS
Master of Arts 0
Master of Arts (Mass Communicator) by coursework 0
Master of Fine Arts 0
Master of Social Science (Counselling) 1
Graduate Diploma of Arts (Film and Television Production/Journalism) 0
Graduate Certificate in Arts (Creative Writing) 0
Graduate Diploma in Social Science (Counselling) 1
Bachelor of Arts (Honours) (Dance, Drama, Visual Arts) 0
Bachelor of Arts (Honours) (Film and Television Production/ Journalism/Media Studies) 0
Bachelor of Arts (Honours) (Humanities) 0
Bachelor of Arts (Communication Design) 3
Bachelor of Arts (Dance) 3
Bachelor of Arts (Drama) 3
Bachelor of Arts (Humanities) 3
Bachelor of Arts (Communication Design/Media Studies) 3
Bachelor of Arts (Music) 3
Bachelor of Arts (Visual Arts) 3
Bachelor of Social Science 3
Bachelor of Social Science (Honours) (Psychology) 0
Bachelor of Social Science (Honours) (Sociology) 0
Associate Degree/Associate Diploma in Dance 1

Doble Degrees – Limit of Grades of 3
Arts/Education
LIMIT OF four grades of 3 across the combined award with a maximum of three grades of 3 in any one component (eg BA(Hum)/BEd: EITHER Arts 3 + Ed 1, OR Arts 1 + Ed 3, OR Arts 2 + Ed2)
Bachelor of Arts (Dance)/Bachelor of Education
 Bachelor of Arts (Drama)/Bachelor of Education
 Bachelor of Arts (Humanities)/Bachelor of Education
 Bachelor of Arts (Music)/Bachelor of Education
 Bachelor of Arts (Visual Arts)/Bachelor of Education

Arts/Law
12.5% of EACH of the degree component course credit points (ie 12.5% of Arts component and 12.5% of Laws)
Bachelor of Arts (Humanities)/Bachelor of Laws
Bachelor of Arts (Journalism or Media Studies)/Bachelor of Laws

FACULTY OF BUILT ENVIRONMENT AND ENGINEERING
All courses 12% of the total course credit points

FACULTY OF BUSINESS
Master of Business (BS92) 1
Master of Business (BS93) 1
Master of Business (BS88) 1
Master of Business (BS89) 1
Master of Commerce (BS94) 1
Master of Business Administration (GS80) 1
Master of Business Administration (GS81) 1
Graduate Diploma in Advanced Accounting (BS70) 1
Graduate Diploma in Communication (BS72) 1
Graduate Diploma in Industrial Relations (BS74) 1
Graduate Diploma in Business Administration (GS70) 1
Graduate Certificate in Management (BS30) 1
Bachelor of Business (Honours) (BS63) 1
Bachelor of Business (BS56) 3
### FACULTY OF EDUCATION

<table>
<thead>
<tr>
<th>Program</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Education</td>
<td>0</td>
</tr>
<tr>
<td>Master of Education</td>
<td>0</td>
</tr>
<tr>
<td>Master of Education (Research)</td>
<td>0</td>
</tr>
<tr>
<td>Master of Education (TESOL)</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Diploma in Education (Computer Education)</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Diploma in Education (Early Childhood)</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Diploma in Education (Pre-service)</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Diploma in Education (Educational Management)</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Diploma in Education (Learning Support)</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Diploma in Education (Teacher-Librarianship)</td>
<td>0</td>
</tr>
<tr>
<td>Graduate Certificate in Education</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Certificate in Education (TESOL)</td>
<td>0</td>
</tr>
<tr>
<td>Bachelor of Education (Early Childhood) External</td>
<td>3</td>
</tr>
<tr>
<td>Bachelor of Early Childhood Studies</td>
<td>3</td>
</tr>
<tr>
<td>Bachelor of Education (In-service)</td>
<td>1</td>
</tr>
<tr>
<td>Bachelor of Education (Pre-service)</td>
<td>3</td>
</tr>
<tr>
<td>Bachelor of Teaching (Early Childhood, Primary)</td>
<td>3</td>
</tr>
<tr>
<td>Bachelor of Teaching (Child Care Upgrade)</td>
<td>3</td>
</tr>
</tbody>
</table>

### FACULTY OF HEALTH

<table>
<thead>
<tr>
<th>Program</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Diploma in Health Promotion</td>
<td>1</td>
</tr>
<tr>
<td>Bachelor of Applied Science (Home Economics)</td>
<td>3</td>
</tr>
<tr>
<td>All other courses</td>
<td>12.5% of the total course credit points</td>
</tr>
</tbody>
</table>

### FACULTY OF INFORMATION TECHNOLOGY

<table>
<thead>
<tr>
<th>Program</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>All courses</td>
<td>12.5% of the total course credit points</td>
</tr>
</tbody>
</table>

### FACULTY OF LAW

<table>
<thead>
<tr>
<th>Program</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>All courses</td>
<td>12.5% of the total course credit points</td>
</tr>
</tbody>
</table>

### FACULTY OF SCIENCE

<table>
<thead>
<tr>
<th>Program</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>All courses</td>
<td>12.5% of the total course credit points</td>
</tr>
</tbody>
</table>

### INTERFACULTY COURSES

<table>
<thead>
<tr>
<th>Program</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Public Policy</td>
<td>1</td>
</tr>
<tr>
<td>Master of Quality</td>
<td>1</td>
</tr>
<tr>
<td>Graduate Diploma in Quality</td>
<td>1</td>
</tr>
<tr>
<td>Double degree courses</td>
<td>12.5% of each of the degree component course credit points</td>
</tr>
<tr>
<td>All other courses</td>
<td>12.5% of each of the total course credit points</td>
</tr>
<tr>
<td>Double degrees in Education</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>(with a maximum of three 3’s in either the discipline or education component)</td>
</tr>
</tbody>
</table>

---

2 Students enrolled in courses offered by the Faculty of Science who have been granted credit of value greater than 144 credit points are limited to no more than 24 credit points of grades of 3.
# APPENDIX 3: EXCLUSION – DESIGNATED UNITS

## FACULTY OF ARTS

### Bachelor of Arts (Dance)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Description</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAB131</td>
<td>Ballet Technique 1</td>
<td>6</td>
</tr>
<tr>
<td>AAB132</td>
<td>Ballet Technique 2</td>
<td>6</td>
</tr>
<tr>
<td>AAB133</td>
<td>Ballet Technique 3</td>
<td>6</td>
</tr>
<tr>
<td>AAB134</td>
<td>Ballet Technique 4</td>
<td>6</td>
</tr>
<tr>
<td>AAB135</td>
<td>Contemporary Technique 1</td>
<td>6</td>
</tr>
<tr>
<td>AAB136</td>
<td>Contemporary Technique 2</td>
<td>6</td>
</tr>
<tr>
<td>AAB137</td>
<td>Contemporary Technique 3</td>
<td>6</td>
</tr>
<tr>
<td>AAB138</td>
<td>Contemporary Technique 4</td>
<td>6</td>
</tr>
</tbody>
</table>

### Bachelor of Arts (Drama)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Description</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAB202</td>
<td>Acting 1</td>
<td>12</td>
</tr>
<tr>
<td>AAB203</td>
<td>Acting 2</td>
<td>12</td>
</tr>
<tr>
<td>AAB247</td>
<td>Acting 3</td>
<td>12</td>
</tr>
<tr>
<td>AAB248</td>
<td>Acting 4</td>
<td>12</td>
</tr>
</tbody>
</table>

### Bachelor of Arts (Music)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Description</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAB606</td>
<td>Principal Studies 1</td>
<td>24</td>
</tr>
<tr>
<td>AAB607</td>
<td>Principal Studies 2</td>
<td>24</td>
</tr>
</tbody>
</table>

### Bachelor of Arts (Visual Arts)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Description</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAB740</td>
<td>Foundation Art Practice 1</td>
<td>24</td>
</tr>
<tr>
<td>AAB741</td>
<td>Foundation Art Practice 2</td>
<td>24</td>
</tr>
<tr>
<td>AAB742</td>
<td>Studio Art Practice 1</td>
<td>12</td>
</tr>
<tr>
<td>AAB743</td>
<td>Studio Art Practice 2</td>
<td>12</td>
</tr>
</tbody>
</table>

### Bachelor of Social Science (Human Services)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Description</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSB026</td>
<td>Fieldwork Practice 1</td>
<td></td>
</tr>
<tr>
<td>SSB036</td>
<td>Fieldwork Practice 2</td>
<td></td>
</tr>
</tbody>
</table>

### Associate Degree in Dance

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Description</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAX111</td>
<td>Repertoire &amp; Practice Period 1</td>
<td>12</td>
</tr>
<tr>
<td>AAX112</td>
<td>Repertoire &amp; Practice Period 2</td>
<td>16</td>
</tr>
<tr>
<td>AAX113</td>
<td>Repertoire &amp; Practice Period 3</td>
<td>16</td>
</tr>
<tr>
<td>AAX114</td>
<td>Repertoire &amp; Practice Period 4</td>
<td>16</td>
</tr>
<tr>
<td>AAX117</td>
<td>Ballet Technique 1</td>
<td>8</td>
</tr>
<tr>
<td>AAX118</td>
<td>Ballet Technique 2</td>
<td>8</td>
</tr>
<tr>
<td>AAX119</td>
<td>Ballet Technique 3</td>
<td>8</td>
</tr>
<tr>
<td>AAX120</td>
<td>Ballet Technique 4</td>
<td>8</td>
</tr>
<tr>
<td>AAX121</td>
<td>Contemporary Technique 1</td>
<td>8</td>
</tr>
<tr>
<td>AAX122</td>
<td>Contemporary Technique 2</td>
<td>8</td>
</tr>
<tr>
<td>AAX123</td>
<td>Contemporary Technique 3</td>
<td>8</td>
</tr>
<tr>
<td>AAX124</td>
<td>Contemporary Technique 4</td>
<td>8</td>
</tr>
</tbody>
</table>
APPENDIX 4: REPLACEMENT AND SUBSTITUTE AWARD CERTIFICATES

A ‘replacement’ certificate is a replacement for a certificate issued originally by the Queensland University of Technology.

A ‘substitute’ certificate is a substitute for a certificate issued originally by antecedents of Queensland University of Technology (including Brisbane College of Advanced Education, Brisbane Kindergarten Teachers’ College, Kedron Park Teachers’ College, Kelvin Grove Teachers’ College, Kelvin Grove College of Teacher Education, Kelvin Grove College of Advanced Education, North Brisbane College of Advanced Education, Queensland Institute of Technology, [Queensland] Teachers’ College and the [Queensland] Teachers’ Training College).

Substitute certificates will not be issued for certificates issued originally by the Queensland Department of Education or other bodies not currently associated with higher education.

FEES FOR REPLACEMENT OR SUBSTITUTION
Replacement certificates will be issued free of charge where the original was lost or damaged in transmission or was defective. A fee of $40 will be charged in all other cases.

A fee of $40 will be charged in respect of substitute certificates.

CONDITIONS OF REPLACEMENT OR SUBSTITUTION
Both replacement and substitute certificates will be issued subject to the following conditions:
- ☐ where the original certificate has been lost in transmission or subsequently, a statutory declaration is submitted to that effect
- ☐ where the original certificate was defective or has been damaged, the certificate is returned
- ☐ payment of the prescribed fee, where applicable.

FORM OF CERTIFICATES
All replacement and substitute certificates will be produced on QUT proforma, and, except where a replica is issued as a replacement, will be produced using the proforma current at the time of issue of the replacement or substitute, and incorporate the signatures of the incumbent Chancellor, Vice-Chancellor and Registrar.

The student’s name on the replacement and substitute certificates will be the same as on the original certificate. Certificates will not normally be re-issued on account of a change of name. In exceptional circumstances the Registrar may approve variations to the application of this policy.

ENDORSEMENTS

Replacement certificates
Replacement certificates will carry no endorsement where the original certificate can be replicated in every respect. The University cannot guarantee to provide replicas in every instance.

However, where there has been any change in the proforma itself, the Common Seal, or the signatories, and no stock of the original is available, a replacement certificate will be endorsed as follows:

‘This is a replacement for a certificate issued under the Common Seal on (day, month, year appearing on original certificate)(under the name of [name appearing on original certificate]).’

Substitute certificates
Substitute certificates will carry, as appropriate, one of the following endorsements in every case:

‘This is a substitute for a certificate, (number - if known), issued on (date, month, year, appearing on original certificate) by (institution), (under the name of [name appearing on original certificate]) which was incorporated into Queensland University of Technology on 1 May 1990.’

or

‘This is a substitute for a certificate issued on (date, month, year appearing on original certificate)(under the name of [name appearing on original certificate]) by Queensland Institute of Technology which became Queensland University of Technology on 1 January 1989.’
ACCESS TO ASSESSMENT RESULTS
The University is committed to a policy of openness with respect to the release of assessment results. Effective from the date of commencement of the *Queensland Freedom of Information Act*, QUT policy on access to assessment results and/or marks is as follows:

- For units where percentage marks are calculated, students may request and obtain their own final marks from nominated officers in the relevant Faculty.
- Faculty academic boards must make appropriate arrangements for students who request to peruse or to obtain a copy of their own examination scripts or written answers to examination questions or other forms of assessment, provided that the request is made within three months of the release of the examination results.
- Where examination question papers or other forms of assessment will be re-used in successive examinations, Faculty academic boards must arrange for students to receive advice on their performance with reference to their own examination scripts in a way which does not prejudice the examination mode.

ASSESSMENT PROVISIONS FOR STUDENTS WITH DISABILITIES
Students with permanent or temporary disabilities have the right to alternative arrangements which are consistent with a commitment to academic excellence and the provision of equality of opportunity to enable students to fulfil course requirements.

Normally, students should notify the relevant Course Coordinator in writing early in the semester, but no later than the semester census date. Failure to do so may jeopardise access to appropriate services. Students who suffer a disability, illness or injury after the census date can, during the semester, seek special consideration or other means of addressing their need for alternative arrangements.

Alternative forms of assessment are usually negotiated between student and Course Coordinator, but advice can be sought from the QUT Disability Officer as needed, particularly if differing views are held about the appropriateness of such accommodation/arrangements.

Suggested variations in assessment techniques for students with disabilities are listed below. Issues of validity, reliability and equity, together with ease of marketing, should be taken into account when adopting such alternatives.

<table>
<thead>
<tr>
<th>Variations</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mode</strong></td>
<td></td>
</tr>
<tr>
<td>Questioning modality</td>
<td>Brailed or audiotaped questions, viva voce testing, signing interpreter, etc.</td>
</tr>
<tr>
<td>Response modality</td>
<td>Oral rather than written answers - recorded on tape, viva voce, signing, etc.</td>
</tr>
<tr>
<td><strong>Context</strong></td>
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<tr>
<td>Time</td>
<td>Extended period to answer examination, respite breaks during an examination, extra time to complete assignments, deferment without penalty, etc.</td>
</tr>
<tr>
<td>Equipment</td>
<td>Tape recorder, brailler, print magnifier, electric typewriter, special desk for wheelchair, adapted laboratory equipment, etc.</td>
</tr>
<tr>
<td>Separate examination room</td>
<td>Special equipment, personal assistance (to avoid disturbing others).</td>
</tr>
<tr>
<td>Personal assistance</td>
<td>Amanuensis, reader, interpreter, aide.</td>
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To support their request for alternative assessment arrangements, students may be required by the relevant lecturer and Course Coordinator to present a certificate from a medical or other relevant specialist practitioner which substantiates the nature of the special need.
The University accepts that general principles of confidentiality and privacy should apply in such circumstances. Therefore, students may choose to refer the certificate to the QUT Disability Officer or a QUT counsellor who shall recommend appropriate action to the relevant lecturer or Course Coordinator.

Following any decisions in relation to such a request, all documentation in relation to the disability should be forwarded to the QUT Disability Officer for retention on a confidential file. A record of requests and adaptations will be retained for review purposes by the QUT Disability Officer with a record of the decision forwarded to the Examinations Officer for retention on the student’s file.

The student must be advised in writing of any variations that will be made to assessment. The Examinations Section will notify the student in the case of central examinations and the school office will do so for school-based assessment.

Students who are not granted alternative assessment but believe that they are entitled to alternative assessment under the above provisions may request a review of the decision under the University’s procedures for reviews of academic rulings.

CONFIDENTIALITY OF STUDENT RECORDS

The University is required to have on record a variety of factual information about students both for internal use in connection with its academic program and for the compilation of statistical reports to meet the requirements of such external bodies as the Department of Employment, Education and Training.

The Registrar is the official custodian of such records and is responsible to the Vice-Chancellor for their proper maintenance and control.

Information required by outside bodies is normally of a statistical nature and does not identify individual students, e.g. admission and enrolment statistics, OP Score distributions, age distributions, patterns of origin by school or residential district, full-time/part-time ratios, attrition rates etc. However, information held on individual students may include details of a personal nature which students may quite reasonably expect the University to maintain as confidential except for legitimate internal purposes – e.g. age, address, telephone number, title, medical information, references, etc. The University has no need for and will not maintain records relating to the religious or political affiliations and activities of students except insofar as such information may be voluntarily included in correspondence from the student or in references supplied by persons at the student’s request.

The University accepts that general principles of confidentiality and privacy should apply to the use or availability of its records on individual students. These imply that the University will not normally make available externally particular information on a student without specific authorisation by that student, unless it is legally required to do so. Exceptions to this policy will be restricted to situations in which the release of information is judged to be in the clear interest of the student, e.g. provision of a telephone number or address to a hospital when a relative has been involved in an accident.

Information from a student’s personal files will be available internally to faculties and individual staff members on the basis of a demonstrated need in connection with the academic program. Its release from the Student Administration office must be authorised by the Registrar acting within the spirit and intent of this policy, on the understanding that staff members using the information will also adhere to its intent.

In addition to being provided at regular intervals with information on academic performance, students shall be entitled to have access to their personal files which will contain forms, correspondence, results statements and any other items relating to each student. Access will be available only at Student Administration Offices and the student will be under supervision while perusing the file. The file may not be removed from the office. No student may have access to another student’s personal file, or to information from such a file or computer record.

Each semester the University publishes students’ results in the press and on University noticeboards. Students who would prefer that their results are not published in the press or displayed by name on University noticeboards have the right to request that their academic records remain confidential. The request to withhold results from public release will remain in force until specifically revoked by the student.

It is the responsibility of the Registrar to provide a student with copies of his or her official University transcript on request for use at the student’s discretion, e.g. in connection with job applications or applications for admission to another educational institution, or to forward such transcripts when authorised in writing.
by the student to do so. Should the Registrar of another institution to which a student is seeking admission formally request a copy of the student’s academic record, its transmission will be assumed to be authorised by the student. Official University transcripts may only be provided to other individuals, employers or agencies outside the University upon the written authorisation or request of the student, addressed to the Registrar.

Staff members who are asked to provide references for students should refer to the fact that official transcripts are available only through Student Administration Offices, but inasmuch as they have been asked by the students to comment on general academic performance and other attributes they are clearly free to do so.

AWARDS WITH HONOURS

This policy does not deal with Honours programs which are end-on to a bachelor degree course.

In degree courses of four or more years, a degree with Honours may be awarded to students who have recorded outstanding achievement in the four-year program.

First class Honours, second class Honours division A and second class Honours division B may be awarded. Candidates for a degree with Honours must fulfil the requirements for a pass degree and achieve a standard of proficiency in all course units as may from time to time be determined by the relevant Faculty academic board and approved by University Academic Board.

Honours are awarded:

- to indicate that students may appropriately proceed to higher degrees
- to encourage students to work consistently throughout a course
- to ensure that QUT students can apply equally for employment in competition with Honours graduates from other institutions
- to ensure that QUT graduates are eligible for the same level of salary on commencement as graduates from other institutions
- to enable QUT graduates to compete equally for scholarships.

A degree with Honours will not be registered for programs of less than four years’ duration.

Honours are presently awarded in the degree courses in Architecture, Engineering, Law and Optometry.

Faculty academic boards make recommendation to University Academic Board, supplying the following information:

- the level of academic achievement necessary to qualify for each grade of Honours as per faculty criteria
- the actual results for each of the recommended candidates viz. the number of high distinctions, distinctions (or Honours pre-1985), credits and passes
- the cumulative proportion of graduates represented in Honours groups since the introduction of Honours in the course and, for Engineering, cumulative percentages for each class of Honours for civil, electrical and mechanical engineering graduates.

Student Administration Department will provide University Academic Board with the grade point average for each of the recommended candidates.

EQUAL OPPORTUNITY POLICY

The Council of the Queensland University of Technology is committed to a policy of equal opportunity and freedom from all forms of discrimination as determined by legislation or by Council. The policy is issued on the basis that it is fair and just and contributes to the fulfilment of QUT’s Missions and Goals.

In fulfilling this policy, the University aims to:

- promote the development of a University culture supportive of equity principles
- ensure all of its management and educational policies and practices reflect and respect the social and cultural diversity contained within the University and the community it serves
- ensure that the appointment and advancement of staff and admission and progression of students within QUT are determined on the basis of merit
provide equal employment and educational opportunities within QUT and identify and remove barriers to participation and progression in employment and education, and implement an Affirmative Action Program for equity groups.

eliminate unlawful discrimination against staff and students on the grounds of sex; marital status; pregnancy; breastfeeding; race; age; parenthood; physical, intellectual and mental impairment; religious belief; lawful sexual activity; trade union activity; criminal record; social origin; medical record; nationality; or political belief or activity.

comply with state and federal legislation on Discrimination, Equal Opportunity and Affirmative Action and binding international human rights instruments.

The Vice-Chancellor, through the Pro-Vice-Chancellor (Academic) and the management of the University, is responsible for implementation of this policy. The Pro-Vice-Chancellor (Academic) is assisted by the Equity Coordinator.

QUT expects all staff, students and members of the University community to act in accordance with this policy.

NON-DISCRIMINATORY PRESENTATION AND PRACTICE

Queensland University of Technology endorses a policy of non-discriminatory presentation and practice in all administrative and academic activities of the University.

Accordingly, the University will:

actively promote the use of non-discriminatory language and presentation in all QUT documents and publications and non-discriminatory teaching practice in classrooms

put in place a procedure for setting complaints and grievances about discriminatory language, presentation, and teaching practices

make all staff aware of their responsibilities under the policy and of the existence of a complaints procedure, and circulate suitable educational material to assist staff to comply

require that in the development of guidelines and teaching activities for students, staff encourage students to comply with the policy.

Heads of School are responsible for implementing and monitoring the policy, and for responding to complaints.

Staff or students with complaints or concerns regarding discriminatory practices should approach their Head of School or, if preferred:

the Equity Officer

any member of Women in QUT within their Faculty/School

the Women’s Services Officer of the Student Guild.

SEXUAL AND GENDER-BASED HARASSMENT POLICY

QUT has adopted a Policy on Equal Opportunity to reflect its commitment to equal opportunity and freedom from all forms of discrimination in education and employment, as determined by legislation or by Council.

QUT recognises the right of all students and staff to work and/or study in an environment free from sexual and gender-based harassment. Sexual harassment and discrimination on the basis of sex are unlawful and unacceptable within the University.

The University acknowledges its responsibility to ensure that staff, students and members of the university community are made aware of what constitutes unacceptable behaviour within the University and that all managers and supervisors are aware of their responsibility for ensuring the maintenance of proper standards of conduct within the University.

The University recognises also its responsibility to take prompt and effective action to deal with complaints of sexual and gender-based harassment and to ensure that all people involved in the complaint, including the complainant, the person complained about and witnesses are treated fairly. The university will do everything in its power to ensure that people are not victimised in any way. It also recognises the responsibility of managers to take a pro-active role in dealing with any manifestations of sexual and gender-based harassment in accordance with this policy.
**What is harassment?**
Harassment is a form of discrimination. It is offensive social behaviour which occurs particularly in staff/student or employer/employee relationships where there is a relationship of power and/or authority of one person over another.

The University recognises however that the work or study environment may also be adversely affected by sexual or gender-based harassment by peers (student/student or employee/employee) and will not tolerate such behaviour. Similarly, the University will not tolerate harassment of staff by students nor harassment by staff or students of visitors or members of the public whilst engaged in University activities.

Behaviour that is regarded as harmless, trivial or a joke may constitute sexual or gender-based harassment, where personally offensive, humiliating or distressing to the recipient.

**Sexual harassment**
Sexual harassment is any form of offensive sexual attention that is uninvited and unwelcomed. It can be a single incident or a persistent pattern of unwelcomed behaviour and it should be noted that the distress can be the same whether the conduct is intentional or unintentional. Although a majority of complaints of sexual harassment come from women, sexual harassment is not confined to any gender or sexuality. Sexual harassment can range from subtle behaviour to explicit demands for sexual activity or even criminal assault and includes the following:

- inappropriate remarks with sexual connotations
- smutty sexual jokes
- the display of offensive material
- stares and leers or offensive hand or body gestures
- inappropriate posturing
- comments and questions about another person’s sexual conduct and/or private relationships
- persistent unwelcome invitations
- requests for sexual favours
- offensive written, telephone or electronic mail or other computer system communications
- unnecessary close physical proximity including persistently following a person
- unwelcome physical conduct such as brushing against or touching a person
- actual molestation
- sexual assault.

**Gender-based harassment**
Gender-based harassment is any conduct that is unwelcome because it denigrates a person on the basis of their gender. It can be a single incident or a persistent pattern of unwanted behaviour and constitutes unlawful discrimination if it can be shown that the person being harassed is being treated unfavourably on the basis of her or his sex. The term covers a range of behaviour which in its context amounts to harassment including:

- denigrating comments regarding a person’s gender
- the display of written or pictorial material that denigrates a person’s gender
- negative behaviours, e.g. bullying, intimidation or exclusion related to the gender of the recipient
- expressing stereotyping, that is, assumptions based on gender about an individual’s gender, group behaviour, values, culture or ability.

**Information on harassment**
QUT has procedures designed for dealing with complaints of sexual or gender-based harassment.

There is also a network of trained Sexual Harassment Contact Officers who can advise and assist people interested in making a complaint.

Information on the policy and procedures and/or the Sexual Harassment Contact Officers are available from the Equity Section.
SUPPLEMENTARY ASSESSMENT

Supplementary assessment is provided to facilitate the course completion of students and will therefore only be granted to students whose current enrolment would satisfy the requirements for graduation. Supplementary assessment is provided only to students enrolled in undergraduate Bachelor degrees or graduate diplomas leading to the granting of an initial professional qualification.

Supplementary assessment is not a reassessment of the student’s overall grade or the mark for an individual assessment item. It is a new item of assessment designed to assist final semester students to complete requirements for their qualification. A student may be granted a maximum of two supplementary assessments in any one course.

Faculty academic boards are responsible for determining eligibility for supplementary assessment at the time exam results are considered. Faculty academic boards will be guided by advice from the relevant School(s), as to whether, given the student’s grades for the unit(s) and the nature of the unit(s) it is possible for the student to achieve a passing standard through supplementary assessment.

The form and type of supplementary assessment is at the discretion of the Faculty which will ensure that academic standards are maintained.

Supplementary assessment should only be provided in the following circumstances:

☐ when a student receives a grade of 3 in a unit where a 4 is required for course completion
☐ when a student receives a grade of 2 in a unit where a 3 is required for course completion.
☐ Supplementary assessment will not be granted in the following circumstances:
☐ to students enrolled in designated units listed in Appendix 3 to the Student Rules
☐ to students who have been graded 1 Low Fail or K Withdrawn Failure.

Students who are not granted supplementary assessment but believe they are entitled to supplementary assessment may request a review of the decision under the University’s procedures for reviews of academic rulings.

The only grades that will be recorded following supplementary assessment are S3 (Pass Supplementary) and S2 (Fail Supplementary).
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COURSE Structures

Doctor of Philosophy (IF49)

Introduction
The main purpose of graduate study is to encourage independence and originality of thought in the quest for knowledge. The Doctor of Philosophy degree is awarded in recognition of a student’s erudition in a broad field of learning and for notable accomplishment in that field through an original and substantial contribution to knowledge. The candidate’s research must reveal high critical ability and powers of imagination and synthesis, and may be in the form of new knowledge, or of significant and original adaptation, application and interpretation of existing knowledge.

1. General Conditions
1.1 The Council of the Queensland University of Technology was established in 1989 under the Queensland University of Technology Act.
1.2 This section sets out the Regulations governing the award of the degree of PhD.
1.3 The Council’s power to approve arrangements for the registration and examination of candidates for the degree of PhD is exercised through a Research Degrees Committee, which shall be a subcommittee of Research Management Committee. In exercising this power, the Research Degrees Committee shall be advised by faculty academic boards, deans of faculty and heads of school, as appropriate.
1.4 In order to qualify for the award of the degree of PhD, a candidate must submit to the Research Degrees Committee:

- a certificate of satisfactory completion of the candidate’s approved course of study signed by the Principal Supervisor
- a declaration signed by the candidate that she/he has not been a candidate for another tertiary award without permission of the Research Management Committee
- a certificate recommending acceptance of the thesis in fulfilment of the conditions for the award of the PhD degree signed by each member of the faculty panel that recommended examination of the thesis and the Examination Committee which accepted it
- an application for conferral of the degree, and
- four copies of the thesis in the required format.

2. Admission and Enrolment
2.1.1 A candidate may enrol either as a full-time or as a part-time student (see also Section 4). To be enrolled as a full-time student, a candidate must be able to commit to the course not less than three-quarters of a normal working week, averaged over each year of candidacy. Such a student may not devote more than 300 hours annually to teaching activities, including preparation and marking.
2.1.2 A candidate who is unable to devote to the course the proportion of time specified in Section 2.1.1 may enrol as a part-time student.
2.1.3 A candidate’s program of research or other approved investigation may be based at a place of employment or a sponsoring institution (see Section 7). Normally, support of the sponsoring establishment for the candidate’s application is required for enrolment.
2.1.4 A sponsoring establishment is required to certify annually by 31 December that all enrolled PhD candidates sponsored by that organisation are actively engaged in their course of study, and are maintaining frequent contact with their local supervisor.
2.2 To gain admission into a course of study leading to the award of a Doctor of Philosophy, a candidate normally shall hold a relevant first class or second class division A honours degree or an appropriate master degree (by coursework or by thesis) of the QUT or of another recognised institution.
2.3 Before accepting an application for admission, the Research Degrees Committee must satisfy itself that the candidate has sufficient command of English to complete satisfactorily the proposed course of
study, to pass an oral examination in English as described in Section 9.2, and to prepare a thesis in English.

2.4 Without the specific permission of the Research Degrees Committee, students may not be enrolled as candidates for a PhD degree if they are enrolled candidates for another tertiary award.

2.5 The Research Degrees Committee may cancel a candidate’s enrolment, after consulting the relevant dean, supervisors and having taken account of all relevant circumstances and having given the candidate opportunity to show cause why it should not do so:

☐ if it is of the opinion that the candidate either has effectively discontinued his/her studies or has no reasonable expectation of completing the course of study within the maximum time allowed (see Regulation 4), or

☐ if the quality and progress of research gives no reasonable expectation of successful completion of the degree, or

   if the candidate’s grade point average in coursework undertaken is below 5.00 on a scale of seven.

2.6 A student whose enrolment has lapsed or has been cancelled, and who wishes subsequently to re-enter the course of study to pursue an investigation which is substantially the same as his/her previous investigation, may be re-admitted under such conditions as the Research Degrees Committee shall prescribe.

2.7 An application for admission shall be made on the prescribed application form and shall involve a two stage process:

Stage 1 shall include

☐ personal data
☐ academic record and details of relevant professional and research experience
☐ the proposed field of study
☐ the centre/research concentration area in which the research program is to be undertaken

and may be approved by the relevant Faculty committee, at which time the student will be conditionally admitted to the program.

Stage 2 of the application must normally be completed within three months of conditional admission (up to six months for international students) and shall include

☐ the proposed title of thesis
☐ a brief outline of proposed research, including a brief background to the research
☐ a brief description of intended research methods and required equipment and consumables
☐ a timeline for the proposed research.

If Stage 2 of the enrolment process is not completed, the Research Degrees Committee may, on advice from the supervisor and Head of School, terminate the candidature or, in exceptional cases, grant an extension of time of not more than three months in which the conditions of Stage 2 shall be met.

Research Degrees Committee reserves the right to call for referee reports where considered necessary to enable a decision on admission to be made.

2.8 The faculty shall advise the Research Degrees Committee:

☐ whether the applicant meets the prescribed criteria for enrolment (see Regulations 2.2, 2.3, 2.4), or if deficiencies exist, what they are and whether and how they can be remedied

☐ whether the applicant’s proposed topic of research is consistent with the aims and objectives of the centre/research concentration area

☐ whether the centre/research concentration area is willing and able to provide the accommodation, facilities and resources required for the proposed study

☐ of the names and academic details of a Principal Supervisor and associate supervisor(s) (see Regulation 6).

2.9 Research Degrees Committee shall recommend that:

☐ the applicant be admitted to PhD candidature, in which case it shall appoint supervisors; or

☐ the applicant be admitted to master candidature with the option of later applying to upgrade to PhD candidature (see Regulation 5); or
the applicant be not admitted; and may set conditions on an offer of admission including date of admission.

2.10 On admission, the candidate shall develop, in consultation with his/her supervisors, and provide to the Research Degrees Committee, a realistic and clear statement of objectives, which may be coursework, projects or research, which will constitute the basis of a full course of study (see Regulation 3).

2.11 Normally, within twelve months of admission (or eighteen months for part-time candidates), the candidate shall develop, in consultation with his/her supervisors, a full course of study (see Regulation 3), which shall incorporate work done to this point and shall be able to demonstrate a research capacity.

2.12 The faculty shall review the candidate’s progress and full course of study and shall submit to the Research Degrees Committee an Application for Confirmation of Candidature consisting of:

☐ appraisal of the candidate’s progress and suitability for continuation in the PhD program
☐ the full course of study
☐ statement that the course of study is of the standard required for a PhD program
☐ statements of whether the studies continue to be within the aims and objectives and physical and human resources of the centre/research concentration area.

2.13 Research Degrees Committee may require changes to the full course of study, and shall:

☐ confirm the candidature
☐ if the recommendation of the Faculty is not to confirm candidature immediately, grant an extension of up to 3 months in which confirmation of candidature must be undertaken. A further extension up to a maximum of 3 months may be granted only in exceptional circumstances.
☐ Where an extension of time has been approved, the candidate must be advised of the conditions to be met for confirmation of candidature in the form of clear written guidelines on the work to be completed and due dates for submission of materials. The conditions should be endorsed by the student, supervisor(s), director of centre and the head of school; or the Dean as appropriate; or after giving the candidate opportunity to show cause why such action should not be taken:
☐ terminate the candidature with an offer of admission to candidature for the degree of Master; or
☐ terminate the candidature with no such offer.

2.14 Candidature shall have commenced on the date of admission, or at some later date as determined by the Research Degrees Committee.

3. Course of Study
3.1 A candidate for the degree of Doctor of Philosophy is required to complete successfully a course of study which results in a substantial contribution to knowledge. This contribution may be in the form of new knowledge, or of significant and original adaptation, application and interpretation of existing knowledge.

3.2 The course of study normally will include:
☐ a program of assessed coursework
☐ participation in university scholarly activities such as research seminars, teaching and publication
☐ regular face-to-face interaction with supervisors, and
☐ a program of supervised research and investigation

and must be such as to enable the candidate to acquire competence in relevant methods of research and scholarship related to the subject of the proposed investigation, and to display sustained independent effort.

3.3 Coursework at doctoral level demands a capacity for critical analysis and a specialisation of research interests not normally appropriate for an undergraduate program. Such coursework may be conducted in a number of ways:
☐ as advanced lecture courses
☐ as seminars in which faculty and students present critical studies of selected problems within the subject field
as independent study or reading courses, or
as research projects conducted under faculty supervision.

In all cases, coursework will be based upon a formal syllabus setting out the educational outcomes expected from the course, a list of topics to be covered, the prescribed reading material and the method of assessment of progress through and at the end of the course.

3.4 Coursework will occupy not more than one third of the total period of candidature (see Section 4).

3.5 A full and systematic description of the candidate’s proposed course of study shall be included in an Application for Confirmation of Candidature (see Regulation 2.12). The description should include the area of study within which the candidate’s course lies, the coursework to be undertaken, the nature of participation in scholarly activities of the centre, school or faculty in which the study is being undertaken, the objectives of the proposed program of research and investigation, its relationship to previous work in the same field, the research methods to be followed, and the proposed title of the thesis to be written.

3.6 A candidate is normally expected to pursue the approved program of research and investigation throughout the period of candidature. Where circumstances make modification or extension of the program desirable, approval for the proposed change must be sought in writing from the Research Degrees Committee. Permission to maintain the candidature may be given by the Committee in such circumstances, provided that the course of study remains in the same field.

3.7 Where a candidate’s approved program of research and investigation forms part of a group project, the application must indicate clearly the individual contribution expected to be made by the candidate, and the extent to which the work is to be carried out in collaboration with others (see also Section 8.4).

3.8 Where an approved program of research and investigation is carried out jointly in QUT and in an industrial, commercial, professional or research establishment, the nature of the work to be carried out in each need not be prescribed in detail initially, but a clear indication must be provided of the way in which the work that the candidate is likely to undertake in the collaborating establishment relates to work to be undertaken at QUT or elsewhere.

3.9 In appropriate cases, the Research Degrees Committee may approve a course of study leading to the presentation of a thesis accompanied by material in other than written form, or exceptionally, in lieu of a research program, a program of scholarly postgraduate work concerned with significant aspects of industrial, commercial or professional activity. Such approval must be sought from the Research Degrees Committee at the time of application for admission or when approval to modify the course of study is sought. At the same time, arrangements for the examination of such candidates should be proposed for approval by the Research Degrees Committee, including details of the form which the candidate’s presentation is expected to take.

4. Period of Time for Completion of Course of Study

4.1 A full-time candidate who does not hold a master degree appropriate to the course of study will normally be required to complete a period of candidature of at least thirty months before submitting the thesis for examination. The corresponding period in the case of a part-time candidate shall be forty-two months. In special cases the Research Degrees Committee may approve a shorter period.

4.2 A holder of a research master degree appropriate to the course of study may submit the thesis for examination after not less than twenty-four months of admission if a full-time student, or thirty-six months if a part-time student. In special cases the Research Degrees Committee may approve a shorter period.

4.3 Without the permission of the Research Degrees Committee, no full-time candidate for the degree of PhD shall submit a thesis for examination more than forty-eight months from the date on which admission in the program was granted. The corresponding period in the case of a part-time candidate shall be sixty months.

4.4 Where a candidate wishes to change from full-time to part-time enrolment, or vice versa, application must be made in writing to the Research Degrees Committee. All such applications must specify the revised date of expected completion.

4.5 Where application is made for permission to extend the period within which the candidate may submit a thesis for examination, details of the candidate’s progress shall be presented to the Research Degrees Committee, together with the reasons for the delay in completing the course and the expected date of
completion. Where the Committee agrees to an extension, it may set a limit to the maximum period of candidature in the PhD program.

5. Transfer of Candidature

5.1 A candidate enrolled for a master degree or a professional doctorate may apply for transfer to PhD candidature. An application will normally be approved only when the candidate is able to satisfy the requirements for confirmation of PhD candidature (see Regulations 2.11 and 2.12). Where coursework has been undertaken as part of the master degree or professional doctorate, a transfer normally may be approved only if the candidate has attained a grade point average of at least 5.00 on a seven point scale. Master qualifying candidates must have confirmed master candidature before applying for transfer to PhD candidature.

5.2 A candidate for a master or PhD degree at another recognised institution may apply for transfer to a PhD program at QUT if the requirements for confirmation of PhD candidature can be satisfied.

5.3 Intending applicants for transfer shall develop, in consultation with their existing or preferred supervisors as appropriate, a full course of study (see Regulation 3).

5.4 Applications shall be made on the prescribed form to the Research Degrees Committee and shall consist of required administrative details, reasons for transfer and a full course of study. The faculty shall first review the candidate’s progress and full course of study and append to the Application for Transfer a statement which sets out:

- the nature, duration and quality of the work already done, its relevance to the proposed PhD thesis and the recommended amount of credit
- appraisal of the candidate’s progress and suitability for transfer of candidature and confirmation of PhD candidature
- the supervisors and their credentials
- whether the proposed research is within the aims and objectives and physical and human resources of the centre/research concentration area.

5.5 Research Degrees Committee may require changes to the full course of study and shall:

- approve the transfer of candidature, normally confirming PhD candidature, and determine the amount of credit to be allowed and the date of admission; or
- not approve the transfer.

5.6 The periods of minimum and maximum time for presentation of the thesis shall be extended by eight months for candidates who were admitted to a master degree from a pass degree.

5.7 A candidate enrolled in the degree of PhD who is unable to complete the approved course of study may apply for transfer to an appropriate master degree.

6. Supervision

6.1 Normally two supervisors shall be appointed for each PhD candidate.

6.2 One supervisor shall be the Principal Supervisor, with responsibility for supervising the candidate on a frequent basis. The Principal Supervisor shall be a member of QUT staff. An Emeritus Professor of the University and staff appointed to Research Centres may be nominated as Principal Supervisor of a PhD candidate. A Principal Supervisor normally shall have undertaken the successful supervision of research degree candidates. Where a Principal Supervisor is proposed who has not undertaken such supervision, an associate supervisor (see Section 6.3) should have had such experience. Normally the Principal Supervisor shall hold a PhD degree or have an established research record in the areas of the proposed project.

6.3 An associate supervisor may be appointed either from QUT or from elsewhere. Where appropriate, more than one associate supervisor may be appointed. The Research Management Committee may approve the appointment as associate supervisor of a person without experience sufficient to satisfy appointment as a Principal Supervisor. Where collaboration has been arranged between QUT and another organisation, the latter is expected to recommend to the Committee a member of its staff as an associate supervisor.

6.4 The Research Degrees Committee must be satisfied regarding the qualifications and experience of all proposed supervisors.
6.5 The Principal Supervisor and candidate are required to report at six-monthly intervals on the prescribed form to the Research Degrees Committee on the candidate’s progress and research plans. Both reports shall be signed by the candidate and supervisor and submitted through the Head of School and the Director of the Centre or Research Concentration.

6.6 Faculties may develop internal policies and procedures for six-monthly review of candidates’ progress and may provide to the Research Degrees Committee reports and recommendations in addition to those of the candidate and supervisor.

6.7 The Research Degrees Committee shall:
- where the candidate’s performance is deemed satisfactory, approve continuation of the candidate, or
- where the candidate’s performance is deemed unsatisfactory
  - determine requirements to be placed on the student or such other action which it deems necessary to remedy the unsatisfactory situation, or
  - cancel a candidate’s enrolment (see Regulation 2.5)

and shall advise the candidate and Principal Supervisor in writing of any such decisions.

6.8 In the six-monthly report following a report of progress deemed unsatisfactory by the Research Degrees Committee, the candidate and Principal Supervisor shall comment on progress on any specified remedial action.

6.9 When a candidate’s progress has been unsatisfactory to the Research Degrees Committee in any two consecutive six-monthly reports during the candidature, the Research Degrees Committee shall normally cancel the enrolment of the candidate (see Regulation 2.5).

7. Place and Conditions of Work
7.1 The research program must normally be carried out under supervision in a suitable environment in Australia.

7.2 The Research Degrees Committee must be satisfied that arrangements as set out in these regulations regarding coursework, participation in scholarly activities, supervision, facilities and training in research methods may be made for the candidate, and that accommodation, equipment and access to library and computing facilities meet the needs of the approved course of study.

8. Thesis
8.1 The thesis must be presented in accordance with the requirements of the Council, including any accompanying declarations (see Section 1). Current requirements are available from the Office of Research.

8.2 Except with the specific permission of the Research Degrees Committee, the thesis must be presented in the English language. Such permission must be sought at the time of application for admission, and will not be granted solely on the grounds that the candidate’s ability to satisfy the Examination Committee will be affected adversely by the requirement to present the thesis in English.

8.3 The thesis must include a statement of the objectives of the investigation, and must acknowledge published or other sources of information, together with any substantial financial assistance received.

8.4 Where a candidate’s research program forms part of a collaborative group project, the thesis must indicate clearly the candidate’s individual contribution and the extent to which co-workers contributed to the candidate’s program.

8.5 Subject to QUT’s intellectual property policy, the copyright of the thesis is vested in the candidate.

8.6 Where a candidate or the sponsoring establishment wishes the thesis to remain confidential for a period of time after completion of the work, application for approval must be made to the Research Degrees Committee when the thesis is submitted. The period normally shall not exceed two years from the date on which the Examination Committee recommends acceptance of the thesis, during which time the thesis will be held on restricted access in the QUT Library.

9. Examinations
9.1 Any fees payable in relation to the examination of a candidate shall be determined by the Council.

9.2 In order to determine whether the thesis is acceptable for examination by the Examination Committee, and subject to the provisions of Section 9.3, the candidate shall be examined orally by the faculty to which
he/she is attached. The examination will be based on:

☐ the work described in the thesis, and
☐ the field of study in which the investigation lies.

The faculty shall advertise or otherwise arrange for the oral examination which should be attended by all available members of the Examination Committee. The examination shall be conducted by a panel of three nominated by the faculty and chaired by the Principal Supervisor.

Fourteen days prior to the date of the oral examination, sufficient copies of the thesis, bound in temporary cover, must be presented to the Chairperson of the faculty examining panel so as to provide a copy for each member of the panel and each attending member of the Examination Committee. The faculty examining panel shall use the prescribed form when advising the faculty, the Research Degrees Committee and the Research Management Committee that the thesis meets with their approval.

9.3 Where for good and sufficient reasons the Research Degrees Committee is satisfied that a candidate would be seriously disadvantaged if required to undergo an oral examination, an alternative form of examination may be approved. Such approval shall not be given solely on the grounds that the candidate’s knowledge of the English language is inadequate (see Section 2.3).

9.4 The thesis shall normally be examined by an Examination Committee comprising at least two external examiners and not more than one internal examiner. The internal examiner normally shall chair the Committee. If there is no internal examiner, then the Research Degrees Committee shall appoint a chairperson.

9.5 Subject to agreement between supervisors and not later than six months before the proposed date for the submission of the thesis, the Principal Supervisor is required to recommend to the Research Degrees Committee the composition of a proposed Examination Committee, together with the title of the candidate’s thesis.

9.6 Four copies of the thesis in the required format must be presented to the Research Degrees Committee together with certification that the approved course of study has been completed and the thesis accepted by the faculty to which the candidate is attached (see Section 9.2). Receipt of the thesis by the Research Students Section shall constitute the submission of the candidate’s thesis for examination.

9.7 The candidate’s Principal Supervisor shall forward arrangements for examination of the thesis through the faculty to the Research Degrees Committee for approval.

9.8 In exceptional circumstances, the Research Degrees Committee may act directly to make suitable arrangements for the examination of a candidate, including the selection of examiners.

9.9 Normally, examiners must agree to read and report upon the thesis within two months of its receipt.

9.10 The external examiners must be independent of both the QUT and the sponsoring establishment, if any.

9.11 External examiners should normally have substantial research experience in the area under investigation and be internationally recognised in the relevant field. It is recommended that at least one of the nominated examiners is from an overseas university or equivalent research institution, although all of the examiners may be from Australian institutions provided they are recognised as international experts in the relevant field of research. At least one external examiner must also have had experience of examining research degree candidates at the doctoral level.

9.12 The internal examiner, if any, may not be an Associate Supervisor. However, an associate supervisor may be Chair of the Examining Committee.

9.13 The internal examiner must have experience of research in the general field under investigation and, where practicable, should have specialist knowledge of the area in which the investigation was conducted.

9.14 The Research Degrees Committee shall provide the examiners with a copy of the thesis and of the Council’s PhD Regulations, and with any other relevant information.

9.15 When the examiners are in agreement with respect to the thesis, the Chairperson shall transmit the result of the examination on the prescribed form to the Chairperson of the Research Degrees Committee. The examiners’ report shall recommend:

(i) that the degree be awarded, with or without minor modifications to the thesis, or
(ii) that the candidate be re-examined, or
(iii) that the degree not be awarded.

If a candidate is required to revise and resubmit a thesis, the examiners’ reports will be made available to the candidate, the anonymity of the examiners being maintained. When the recommendation is that the degree be awarded, the Chairperson must return an Examiners’ Report together with a certificate signed by each examiner recommending acceptance of the thesis in fulfilment of the conditions for the award of the PhD degree. A copy of the thesis, together with the certification by the faculty examiners and the Examination Committee will then be lodged in the QUT Library. A copy will be sent at the same time to the sponsoring establishment, if any.

9.16 If the examiners cannot reach agreement, they shall submit separate reports and recommendations to the Research Degrees Committee. In cases where the examiners reports differ, the Research Degrees Committee may request that the Chair of Examiners give expert opinion, in consultation with the other examiners, on any matters referred to them by the Committee in relation to a dispute, and to the extra work the candidate may be required to undertake. Research Degrees Committee may then
(i) not award the degree, or
(ii) accept a majority recommendation with or without the advice of a further external examiner.

9.17 A candidate who fails to satisfy the Research Degrees Committee at the first attempt may, on the recommendation of the examiners and with the approval of the Research Degrees Committee, be re-examined not more than once. Application must be made to the Research Degrees Committee for approval of the re-examination arrangements.

9.18 Re-examination shall take place within twelve months from the date on which the candidate is advised in writing of such re-examination. The Research Degrees Committee may, on application by the candidate and supported by the Principal Supervisor, approve an extension of this period.

9.19 The examiners must give the candidate guidance on the deficiencies identified by the first examination.

9.20 The Research Degrees Committee may require that an additional external examiner be appointed for the re-examination.

9.21 Regulations applicable to examinations generally shall apply to the re-examination.

9.22 The examiners may recommend that a candidate who has been examined for the degree of PhD be awarded the degree of Master, provided that the candidate meets or can meet the requirements of a Master’s program.

9.23 After the examination process is complete, examiners’ reports are to be made available to the candidate on request. The names of examiners will be released on request providing the examiner has indicated willingness to have his/her identity revealed to the candidate.

**Master of Applied Science (Research)**

Students wishing to enrol in a Master of Applied Science (Research) should contact the relevant Faculty. General course rules follow.

**Introduction**

The objectives of the course are:
- to provide postgraduate educational opportunities in specialised fields of applied science and information technology by means of a program which involves either an original contribution to knowledge or an original application of existing knowledge
- to provide further education in research methods
- to enable graduates employed in industry to undertake further education by research and thesis
- to enable industrial organisations and other external agencies to sponsor a student research program under the control and supervision of the Faculty
- to further relationships between the University and industry or other external agencies engaged in applied science, to their mutual advantage.
1. General Conditions
1.1 The Council of the Queensland University of Technology was established in 1989 under the Queensland University of Technology Act 1988.

1.2 The Council’s power to approve recommendations from Faculty academic boards regarding the registration, supervision and examination of research degree candidates and to develop policy and procedure relating to research degrees is exercised through a Research Management Committee which shall be a subcommittee of Academic Committee.

1.3 Research Management Committee has delegated responsibility for day-to-day administration of research Masters degree courses to Faculty academic boards. Academic boards shall report biannually to the Research Management Committee on progress made by research Masters degree candidates.

1.4 Unless the context otherwise indicates or requires, the words ‘academic board’ and ‘Faculty’ shall refer to the Faculty in which the candidate registers.

1.5 In order to qualify for the award of the degree of Master of Applied Science, a candidate must:
   - have completed the approved course of study under the supervision prescribed by the academic board
   - have submitted and the academic board accepted a thesis prepared under the supervision of the supervisor
   - have completed any other work prescribed by the academic board, and
   - submit to the academic board a declaration signed by the candidate that he/she has not been a candidate for another tertiary award without permission of the academic board.

2. Registration
2.1 Applications shall be accepted subject to the availability of facilities and supervision.

2.2 Applications may be lodged with the Registrar at any time.

2.3 The minimum academic qualifications for admission to a program leading to a Master of Applied Science (Research) shall be:
   - possession of a Bachelor degree in Information Technology, Health Science, Applied Science or other approved degree from the Queensland University of Technology, or
   - possession of an equivalent qualification, or
   - submission of such other evidence of qualifications as will satisfy the academic board that the applicant possesses the capacity to pursue the course of study.

2.4 Additional requirements for admission to a particular program may be laid down by the academic board.

2.5 In considering an applicant for registration the academic board shall, in addition to assessing the applicant’s suitability, assess the proposed program and its relevance to the aims and objectives of the University.

2.6 A candidate may register either as a full-time or as a part-time student. To be registered as a full-time student, a candidate must be able to commit to the course not less than three-quarters of a normal working week, averaged over each year of candidacy. Such a student may not devote more than 300 hours annually to teaching activities, including preparation and marking.

2.7 A candidate may be internal or external. An external candidate is one whose program of research and investigation is based at a place of employment or sponsoring institution. Normally, support of the sponsoring institution for the candidate’s application is required for registration.

2.8 A candidate shall be registered initially as:
   - a graduate student (provisional), or
   - a graduate student.

A graduate student (provisional) becomes a graduate student when registration is confirmed. Applicants not holding an appropriate Honours degree or its equivalent shall normally be given provisional registration.

2.9 A candidate shall receive confirmed registration as a graduate student when he or she:
☐ has satisfied the requirements for admission and achieved by work and study a standard recognised by the academic board, or
☐ has been accepted for provisional registration in the Faculty and has achieved, by subsequent work and study, a standard recognised by the academic board
☐ has satisfied the academic board that he or she is a fit person to undertake the program
☐ has satisfied the academic board that he or she can devote sufficient time to the research and study.

2.10 The academic board may cancel a candidate’s registration if:
☐ after consulting a candidate’s supervisors and having taken account of all relevant circumstances, the academic board is of the opinion that the candidate either has effectively discontinued his or her studies or has no reasonable expectation of completing the course of study within the maximum time allowed (see Section 4).

2.11 A candidate whose registration has lapsed or has been cancelled and who wishes subsequently to re-enter the course to undertake a research program which is the same or essentially the same as the previous program may be re-admitted under such conditions as the academic board may prescribe.

3. Course of Study
3.1 A candidate for the degree of Master of Applied Science shall undertake a program of research and investigation on a topic approved by the academic board. All projects should be sponsored either by outside agencies such as industry, government authorities, or professional organisations, or by the University itself.

3.2 The program must be such as to enable the candidate to develop and demonstrate a level of scientific competence significantly higher than that expected of a first degree graduate. The required competence normally would include mastery of relevant techniques, investigatory skills, critical thinking, and a high level of knowledge in the specialist area.

3.3 A candidate may be required by the academic board to undertake an appropriate course of study concurrently with the research program.

The course of study normally will include:
☐ a program of assessed coursework
☐ participation in University scholarly activities such as research seminars, teaching and publication
☐ regular face-to-face interaction with supervisors, and
☐ a program of supervised research and investigation.

3.4 Coursework at Masters level demands a capacity for critical analysis and a specialisation of research interests not normally appropriate for an undergraduate program. Such coursework may be conducted in a number of ways:
☐ as advanced lecture courses
☐ as seminars in which faculty and students present critical studies of selected problems within the subject field
☐ as independent study or reading courses, or
☐ as research projects conducted under faculty supervision.

In all cases, coursework will be based upon a formal syllabus setting out the educational outcomes expected from the course, a list of topics to be covered, the prescribed reading material and the method of assessment of progress through and at the end of the course.

3.5 Coursework will occupy not more than half of the total period of registration.

3.6 An application for registration should set out systematically and fully the candidate’s intended course of study. The description should include the area of study within which the candidate’s course lies, the coursework to be undertaken, the proposed title of the thesis to be written, the aim of the proposed program of research and investigation, its background, the significance and possible application of the research program, and the research plan.

4. Period of Time for Completion of Course of Study
4.1 A full-time graduate student (provisional) shall not be eligible for confirmation of registration as a graduate student until a period of at least 12 months has elapsed from initial registration. The corresponding
period in the case of a part-time student shall be at least 24 months.

4.2 A registered graduate student shall present the thesis for examination after a period of at least one year for a full-time student or two years for a part-time student has elapsed from the time of confirmed registration, except in the case of special permission granted under 4.4. In special cases the academic board may approve a shorter period.

4.3 A registered graduate student shall present the thesis for examination no later than two years if a full-time student or four years if a part-time student from the date of confirmed registration.

4.4 A registered graduate student who holds an Honours degree appropriate to the course of study may submit the thesis for examination after not less than one year of registration if a full-time student, or two years if a part-time student. In special cases the academic board may approve a shorter period.

4.5 Where application is made for permission to extend the period within which the candidate may submit a thesis for examination, details of the candidate’s progress shall be presented to the academic board together with the reasons for the delay in completing the course and the expected date of completion. Where the academic board agrees to an extension, it may set a limit to the maximum period of registration in the program.

5. Supervision
5.1 For each candidate the academic board shall appoint one or more supervisors with appropriate experience provided that, where more than one supervisor is appointed, one shall be nominated as the Principal Supervisor and others as associate supervisors.

5.2 In the case of an internal student, the Principal Supervisor normally shall be from the academic staff of the school where the student carries out the work.

5.3 In the case of an external student, the Principal Supervisor normally shall be from the academic staff of the school supporting the work and at least one associate supervisor shall be from the sponsoring organisation.

5.4 At the end of each six-month period a student shall submit a report on the work undertaken to the Principal Supervisor and the Principal Supervisor shall submit a report to the academic board on the student’s work. This report shall be seen by the student before submission to the academic board.

6. Place and Conditions of Work
6.1 The research program must normally be carried out under supervision in a suitable environment in Australia.

6.2 The academic board shall not admit a candidate to undertake a program of research based at the University unless it has received a statement from the Head of School and/or Director of Centre in which the study is proposed that, in his/her opinion, the applicant is a fit person to undertake a research program leading to the Masters degree, that the program is supported, and that the School/Department is willing to undertake the responsibility of supervising the applicant’s work.

6.3 The academic board shall not admit a candidate to undertake a research program based at a sponsoring establishment unless it has received:

☐ a statement from the employer or director of the sponsoring institution that the applicant will be provided with facilities to undertake the research project and that he/she is willing to accept responsibility for supervising the applicant’s work, and

☐ a statement from the Head of School or Director of Centre in which the study is proposed that, in his or her opinion, the applicant is a fit person to undertake a research program leading to the Masters degree, that the program is supported, and that after examination of the proposed external facilities and supervision, the School/Department is willing to accept the responsibility of supervising the work.

7. Thesis
7.1 In the form of presentation, availability and copyright, the thesis shall comply with the provisions of the document Requirements for Presenting Theses.

7.2 Not later than six months after confirmed registration the candidate shall submit the title of the thesis for approval by the academic board. After approval has been granted, no change shall be made except with the permission of the academic board.
7.3 The candidate shall give two months’ notice of intention to submit the thesis. Such notice shall be accompanied by the appropriate fee, if any.

7.4 The thesis shall comply with the following requirements:
- A significant portion of the work described must have been carried out subsequent to initial registration for the degree.
- It must describe a program of work carried out by the candidate, and must involve either an original contribution to knowledge or an original application of existing knowledge.
- It must reach a satisfactory standard of literary presentation.
- It shall be the candidate’s own account of the work. Where work is carried out conjointly with other persons, the academic board shall be advised of the extent of the candidate’s contribution to the joint work.
- The thesis shall not contain as its main content any work or material which the student has previously submitted for another degree or similar award.
- Supporting documents, such as published papers, may be submitted with the thesis if they have a bearing on the subject of the thesis.
- The thesis shall contain an abstract of not more than 300 words.

7.5 Except with the specific permission of the academic board, the thesis must be presented in the English language. Such permission must be sought at the time of application for registration, and will not be granted solely on the grounds that the candidate’s ability to satisfy the examiners will be affected adversely by the requirement to present the thesis in English.

7.6 Subject to QUT’s Intellectual Property policy, the copyright of the thesis is vested in the candidate.

7.7 Where a candidate or the sponsoring establishment wishes the thesis to remain confidential for a period of time after completion of the work, application for approval must be made to Research Management Committee when the thesis is submitted. The period normally shall not exceed two years from the date on which the examiners recommend acceptance of the thesis, during which time the thesis will be held on restricted access in the QUT Library.

8. Examination of Thesis
8.1 The academic board shall appoint at least two examiners of whom at least one shall be from outside the University.

8.2 Normally, examiners must agree to read and report upon the thesis within two months of its receipt.

8.3 A candidate may be required to make an oral defence of the thesis.

8.4 On receipt of satisfactory reports from the examiners, and when the provisions of Section 7.1 have been fulfilled, the academic board shall recommend to Academic Committee that the candidate be awarded the degree.

8.5 If the examiners’ reports are conflicting, the academic board may, after appropriate consultation with the Principal Supervisor:
- seek advice from a further external examiner, or
- not award the degree.

8.6 If, on the basis of the examiners’ reports, the academic board does not recommend that the degree be awarded then it shall:
- permit the candidate to resubmit the thesis within one year for re-examination, or
- cancel the candidate’s registration.

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**Master of Public Policy (IF64)**

**Location:** Gardens Point campus (elective units may be offered on other campuses)

**Course Duration:** 3 semesters full-time, 6 semesters part-time

**Total Credit Points:** 144

**Course Coordinator:** Ms Denise Conroy
This degree is administered by the School of Management in the Faculty of Business, with the participation of the Faculties of Arts, Built Environment and Engineering, Education, Health, Information Technology, Law and Science.

The normal duration of the course is three semesters for full-time students. The third semester is devoted to the dissertation, which may be undertaken in a summer semester, enabling the course to be completed in one calendar year. The normal duration for part-time students is six semesters. If the dissertation is undertaken over two summer semesters, the course may be completed, part-time, in two calendar years.

**Entry Requirements**

Applicants for admission to candidature for the degree of Master of Public Policy normally should have at least two years’ relevant professional experience, and a Bachelor degree, or equivalent, with a grade point average of 5 or above.

Alternatively, candidates who produce evidence of other qualifications and experience which are considered by the Dean to qualify the candidate for admission may be accepted.

**Course Structure**

The program structure is divided into two parts. The first part is composed of the eight units, as specified below. The second part consists of the dissertation with a weight of 48 credit points. Each unit will normally have a credit value of 12 points, though, at the discretion of the Course Coordinator, provision can be made for units with a credit value of more or less than 12 credit points provided the total of credit points for coursework units is 96.

The taught units comprise a common core of five units, totalling 60 credit points, plus 36 credit points of applied policy electives selected from an approved list of units, for a total of 96 credit points. Elective, applied policy units will be available from faculties and schools participating in the program.

The list of elective units is provided below, grouped into policy specialisations. The list of units available will vary over time as schools add and delete relevant units, depending upon demand. As noted above, students must do 36 credit points of electives. Within this 36 credit points, students must undertake a minimum of 24 credit points from one specialisation. The remaining 12 credit points may be taken from the selected specialisation or from any of the other listed specialisations. Students may select any of the listed units provided that they have the necessary prerequisites.

Students who successfully complete the taught units, normally with a GPA of at least 4.0, are required to write a dissertation on an area of interest in the public policy field of not more than 30 000 words.

Credit and/or unit substitutions may be granted up to a maximum of 48 credit points with the approval of the Course Coordinator. In the case of unit substitutions, the substituted unit will be a policy oriented unit chosen by the student and subject to the approval of the Course Coordinator.

All students undertake a research dissertation. Each student will be assigned to a supervisor, subject to the approval of the Course Coordinator, in consultation with the relevant Head of School. In general, the supervisor will be responsible for providing guidance in relation to the choice, preparation and submission of the dissertation. Both supervisor and student will observe QUT’s Code of Good Practice in relation to the duties of a supervisor and student (refer to the University Manual of Policy and Procedures (MOPP), Appendix 66). The dissertation will be presented in accordance with QUT policy, as listed in the MOPP, Appendix 51.

Supervisors shall be appointed when students commence the Research Seminar unit. The supervisor shall not be an examiner of the dissertation. The dissertation will be examined by an examining committee of at least three, appointed by the Dean, and consisting of at least two examiners, one of whom may be external to the University, plus the Course Coordinator, who will act as chair of the examining committee.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>MGN516 Policy Analysis</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN517 Program Management &amp; Evaluation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EFN403 Economics &amp; Public Policy</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Applied Policy Elective Unit</td>
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</tbody>
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Part-Time Course Structure

Semester 1
MGN516 Policy Analysis 12 3
EFN403 Economics & Public Policy 12 3

Semester 2
MGN522 Research Seminar 12 3
LWS010 Public Law 12 3

Semester 3
MGN517 Program Management & Evaluation 12 3
Applied Policy Elective Unit 12

Semester 4
Applied Policy Elective Unit 12
Applied Policy Elective Unit 12

Semester 5
MGN520 Research Dissertation 24

Semester 6
MGN520 Research Dissertation 24

Applied Policy Elective Specialisations
The applied policy electives offer a wide range of choice to the student. At present the following specialisations are available. Apart from a wide range of available policy areas, those students wishing to develop specific skills in the area of financial analysis and management may wish to select the financial management specialisation option which has been provided.

Economic Policy
EFN404 Environmental Economics & Policy 12 3
EFN408 Special Topic - Economics, Banking & Finance A 12 3
EFN502 Developments in Microeconomic Theories 12 3
EFN500 Contemporary Macroeconomic Theories 12 3
MGN402 Government - Business Relations 12 3
MIN403 Business in Asia 12 3
MIN404 Business in Europe 12 3
MIN405 Business in North America 12 3

Education Policy
CPN604 Equity & Educational Management: Issues & Strategies 12 3
CPN607 Global Change, Diversity & Education 12 3
CPN608 Gender Equity & Education Policy 12 3
CPN609 Policy for Practitioners 12 3
CPN610 Youth Policies & Post-compulsory Education 12 3
EAN602 Early Childhood Services & Policies 12 3

Environmental Policy
EFN404 Environmental Economics & Policy 12 3
LWN049 International Environmental Law 12 2
LWN060 Environmental Legal System 12 2
LWN061 Natural Resources Law 12 2
LWN062 Federal Environmental Law 12 2
PSP501 Environmental Planning & Assessment 12 3
PSP502 Economic & Social Foundations of Planning 12 3

Ethics and Public Policy
PSP506 Planning Theory & Ethics 12 3
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AYN439</td>
<td>Management Accounting</td>
<td>12</td>
</tr>
<tr>
<td>EFN401</td>
<td>Advanced Financial Institutions Management</td>
<td>12</td>
</tr>
<tr>
<td>EFN406</td>
<td>Managerial Finance</td>
<td>12</td>
</tr>
<tr>
<td>EFN408</td>
<td>Special Topic – Economics, Banking &amp; Finance A</td>
<td>12</td>
</tr>
<tr>
<td>EFN410</td>
<td>Economic &amp; Financial Modelling</td>
<td>12</td>
</tr>
<tr>
<td>EFN501</td>
<td>Corporate &amp; Commercial Lending</td>
<td>12</td>
</tr>
<tr>
<td>EFN505</td>
<td>Financial Risk Management</td>
<td>12</td>
</tr>
<tr>
<td>EFN506</td>
<td>International Finance</td>
<td>12</td>
</tr>
<tr>
<td>EFN507</td>
<td>Advanced Capital Budgeting</td>
<td>12</td>
</tr>
<tr>
<td>GSN202</td>
<td>Managerial Accounting</td>
<td>12</td>
</tr>
<tr>
<td>PUN601</td>
<td>Contemporary Health Policies</td>
<td>12</td>
</tr>
<tr>
<td>PUN608</td>
<td>Economics &amp; Health</td>
<td>12</td>
</tr>
<tr>
<td>PUN610</td>
<td>Health Services Management</td>
<td>12</td>
</tr>
<tr>
<td>PUN612</td>
<td>Advanced Health Evaluation</td>
<td>12</td>
</tr>
<tr>
<td>PUN613</td>
<td>Public Health Interventions: Principles &amp; Practice</td>
<td>12</td>
</tr>
<tr>
<td>PUN692</td>
<td>Health Care Delivery Systems</td>
<td>12</td>
</tr>
<tr>
<td>PUP010</td>
<td>Health in Australian Society</td>
<td>12</td>
</tr>
<tr>
<td>PUP022</td>
<td>Health Promotion Concepts &amp; Policy: A Critical Analysis</td>
<td>12</td>
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<tr>
<td>PSP501</td>
<td>Environmental Planning &amp; Assessment</td>
<td>12</td>
</tr>
<tr>
<td>PSP502</td>
<td>Economic &amp; Social Foundations of Planning</td>
<td>12</td>
</tr>
<tr>
<td>PSP504</td>
<td>Urban Systems &amp; Infrastructure</td>
<td>12</td>
</tr>
<tr>
<td>PSP505</td>
<td>Planning in Society</td>
<td>12</td>
</tr>
<tr>
<td>PSP506</td>
<td>Planning Theory &amp; Ethics</td>
<td>12</td>
</tr>
<tr>
<td>PSP509</td>
<td>Regional &amp; Metropolitan Policy</td>
<td>12</td>
</tr>
<tr>
<td>GSN205</td>
<td>Managing Human Resources</td>
<td>12</td>
</tr>
<tr>
<td>MGN410</td>
<td>Labour-Management Relations</td>
<td>12</td>
</tr>
<tr>
<td>MGN504</td>
<td>Business Policy</td>
<td>12</td>
</tr>
<tr>
<td>MGN407</td>
<td>Industrial Relations Strategies &amp; Policies</td>
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</tr>
<tr>
<td>MGN405</td>
<td>Industrial Relations &amp; the Economy</td>
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</tr>
<tr>
<td>EFN404</td>
<td>Environmental Economics &amp; Policy</td>
<td>12</td>
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<tr>
<td>MGN402</td>
<td>Government - Business Relations</td>
<td>12</td>
</tr>
<tr>
<td>MIN401</td>
<td>Australian Foreign Affairs &amp; Business</td>
<td>12</td>
</tr>
<tr>
<td>MIN403</td>
<td>Business in Asia</td>
<td>12</td>
</tr>
<tr>
<td>MIN404</td>
<td>Business in Europe</td>
<td>12</td>
</tr>
<tr>
<td>MIN405</td>
<td>Business in North America</td>
<td>12</td>
</tr>
<tr>
<td>MIN430</td>
<td>The Arts Industry</td>
<td>12</td>
</tr>
<tr>
<td>MIN431</td>
<td>Tourism Development</td>
<td>12</td>
</tr>
<tr>
<td>MIN433</td>
<td>Tourism: National &amp; International</td>
<td>12</td>
</tr>
<tr>
<td>ITN220</td>
<td>Major Issues in Information Systems</td>
<td>12</td>
</tr>
<tr>
<td>ITN340</td>
<td>Information Agencies</td>
<td>12</td>
</tr>
<tr>
<td>ITN341</td>
<td>Information Policy &amp; Planning</td>
<td>12</td>
</tr>
<tr>
<td>MJP102</td>
<td>Media Policy Environment</td>
<td>12</td>
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<tr>
<td>EFN506</td>
<td>International Finance</td>
<td>12</td>
</tr>
<tr>
<td>LWN049</td>
<td>International Environmental Law</td>
<td>12</td>
</tr>
<tr>
<td>MGN401</td>
<td>Comparative Industrial Relations</td>
<td>12</td>
</tr>
<tr>
<td>MIN426</td>
<td>Special Topic in International Business</td>
<td>12</td>
</tr>
<tr>
<td>MIN406</td>
<td>Comparative Regulatory Systems</td>
<td>12</td>
</tr>
<tr>
<td>MIN401</td>
<td>Australian Foreign Affairs &amp; Business</td>
<td>12</td>
</tr>
<tr>
<td>MIN403</td>
<td>Business in Asia</td>
<td>12</td>
</tr>
<tr>
<td>MIN404</td>
<td>Business in Europe</td>
<td>12</td>
</tr>
<tr>
<td>MIN405</td>
<td>Business in North America</td>
<td>12</td>
</tr>
<tr>
<td>PSP507</td>
<td>Planning Procedures &amp; Law</td>
<td>12</td>
</tr>
</tbody>
</table>
Graduate Diploma in Quality (IF69)

This course is designed to attract quality practitioners and other professionals having supervisory or managerial roles associated with organisational quality functions. An interdisciplinary program through the Faculties of Built Environment and Engineering, Science and Business, the course addresses the principles and practices of quality management and its technology, incorporating the implementation of effective quality systems and their integration with quality improvement into a total approach to the management of quality.

Course Duration: 2 years part-time
Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Mr Ian Ogle

Entry Requirements
To be eligible to enrol in the Graduate Diploma in Quality, an applicant should normally hold an undergraduate degree or diploma from a recognised university or other tertiary institution or possess an equivalent qualification. In accordance with university practice, an applicant may be recommended for special entry into the course, such entry depending collectively on such factors as the applicant’s qualifications, background experience, position of current employment, etc.

Part-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGN413</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEP172</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEP274</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MAP222</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELECTIVES – select two from the following</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN411</td>
<td>Management of Service Quality</td>
<td>12</td>
</tr>
<tr>
<td>MAP224</td>
<td>Design of Experiments &amp; Sampling Procedures</td>
<td>12</td>
</tr>
<tr>
<td>MGN418</td>
<td>Methods in Quality Deployment</td>
<td>12</td>
</tr>
<tr>
<td>IFP222</td>
<td>Project</td>
<td>12</td>
</tr>
</tbody>
</table>

Articulation
1. Completion of the Graduate Diploma in Quality may allow direct entry into the final year of the Master of Business (Quality).
2. Completion of the first year of the Graduate Diploma in Quality may qualify for the award of Graduate Certificate in Quality (see below).

Graduate Certificate in Quality (IF68)

This course, equivalent to the first year of the Graduate Diploma in Quality, is currently offered as an off-campus program in an intensive block teaching mode.

Course Duration: 6 months (approx)
Total Credit Points: 48
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Mr Ian Ogle

Entry Requirements
To be eligible to enrol in the Graduate Certificate in Quality, an applicant should normally hold an
undergraduate degree or diploma from a recognised university or other tertiary institution or possess an equivalent qualification. In accordance with university practice, an applicant may be recommended for special entry into the course, such entry depending collectively on such factors as the applicant’s qualifications, background experience, position of current employment, etc.

<table>
<thead>
<tr>
<th>Course Structure</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGN413 Quality Systems Management</td>
<td>12</td>
</tr>
<tr>
<td>MEP172 Quality Planning &amp; Cost Analysis</td>
<td>12</td>
</tr>
<tr>
<td>MEP274 Quality Systems Implementation &amp; Maintenance</td>
<td>12</td>
</tr>
<tr>
<td>MAP222 Quality Improvement</td>
<td>12</td>
</tr>
</tbody>
</table>

The course is delivered over a period of approximately 6 months in four teaching blocks each of duration one week.

**Articulation**

Completion of the Graduate Certificate in Quality may also direct entry into the second year of the Graduate Diploma in Quality.

# Honours Degrees

**1. General**

1.1 These regulations apply to Honours degrees consisting of an additional year of full-time study (or equivalent) following completion of an undergraduate pass degree. The policy does not apply to pass degrees which may be awarded with Honours.

1.2 Faculties are required to make a submission to Academic Committee for an Honours program in the form of a new course proposal. Such a proposal should seek approval for a single Honours program covering the full range of majors offered within an undergraduate award, whether or not all majors are to be offered at Honours level.

1.3 Faculties are expected to produce statements of procedures to be read with, or which may incorporate, this policy statement.

1.4 Each Honours program will be assigned a separate quota.

**2. Admission to an Honours Degree**

2.1 Students who wish to undertake an Honours program should normally apply for admission to it at the end of the final year of their pass degree, or within 18 months of completing that degree.

2.2 In order to be considered eligible for admission, students should have attained a grade point average of at least 5.0 or an average grade of credit over the entire basic course, including grades of at least credit in all units directly relevant to, or specified as prerequisite for, the proposed Honours program.

2.3 However, students who have demonstrated outstanding performance in only the final year of a degree, or whose application is based on other factors including work experience or involvement in research, may be admitted at the discretion of the Dean.

**3. Duration**

3.1 Except in special circumstances as approved by the Dean, the requirements for an Honours degree must be completed within two successive years following first enrolment.

**4. Program Requirements**

4.1 Honours programs must comprise one year of full-time study or equivalent with at least 25 per cent of the credit points associated with the course to be allocated to a project or dissertation.

4.2 Faculties are responsible for providing candidates with program outlines which specify the distribution of credit point load between project/dissertation and coursework, the procedure for project or dissertation approval and a concise statement of Faculty requirements, supervision arrangements, and procedures for examining project reports and dissertations.

**5. Unsatisfactory Progress**

5.1 Failure to make satisfactory progress with either the coursework component of an Honours program or with the project/dissertation, or both, may lead to exclusion from the program.
5.2 Unsatisfactory progress consists of:
- receiving a grade of less than 4 (or ‘Satisfactory’, where applicable) in one unit of the coursework component
- failure to make sufficient progress with the project or dissertation component, in the opinion of the Dean.

5.3 A student who is excluded from or otherwise fails to complete an Honours program will not normally be readmitted to that program.

6. Assessment
6.1 The minimum grade which may be credited towards an Honours degree is 4 (or ‘Satisfactory’, where applicable).

6.2 A minimum of three copies of a dissertation should be presented to the supervisor for examination. Dissertations should be temporarily bound in order to facilitate the making of any revisions and editorial changes required by examiners before final printing and binding.

6.3 Project reports and dissertations will be examined by an examining committee appointed by the Dean and consisting of at least two examiners, one of whom may be external to the University. The supervisor of the candidate’s work may be a member of the committee but may not chair the committee or act as the primary examiner.

7. Determination of Level of Honours Awards
7.1 The Faculty academic board, on advice from the School, will determine the level of Honours to be awarded.

7.2 Honours degrees will be awarded at the following levels after account is taken of the candidate’s performance in all units and appropriate weight applied to the project or dissertation:

<table>
<thead>
<tr>
<th>Honours 1</th>
<th>First Class Honours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honours 2A</td>
<td>Second Class Honours, Division A</td>
</tr>
<tr>
<td>Honours 2B</td>
<td>Second Class Honours, Division B</td>
</tr>
<tr>
<td>Honours 3</td>
<td>Third Class Honours</td>
</tr>
</tbody>
</table>

7.3 The level of Honours award is to be determined by guidelines, as follows:

<table>
<thead>
<tr>
<th>Honours 1</th>
<th>Grade point average of 6.50-7.00, or equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honours 2A</td>
<td>Grade point average of 5.50-6.49, or equivalent</td>
</tr>
<tr>
<td>Honours 2B</td>
<td>Grade point average of 4.50-5.49, or equivalent</td>
</tr>
<tr>
<td>Honours 3</td>
<td>Grade point average of 4.00-4.49, or equivalent</td>
</tr>
</tbody>
</table>

7.4 A candidate who does not reach the standard required for Honours 3 remains with a pass degree.

Bachelor of Applied Science/Bachelor of Laws (IF34)

Location: Gardens Point campus

Course Duration: 5 years full-time

Total Credit Points: 528

Standard Credit Points/Full-Time Semester: 60 (Years 1 & 4), 48 (Years 2, 3, & 5)

Course Coordinators:
Science: Dr Al Grenfell
Law: Professor Malcolm Cope

Professional Recognition
For information on the academic requirements of the Solicitors’ or Barristers’ Board of Queensland please refer to the section on professional recognition in the Bachelor of Laws course entry in the Faculty of Law section of the Handbook.

Full-Time Course Structure
For detailed information on the range and availability of units within the applied sciences refer to the entry for Bachelor of Applied Science (SC30) in the Faculty of Science section.
<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LWB130 Introduction to Study in Law (2 weeks)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LWB131/1 Law in Context</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB134 Research &amp; Legal Reasoning</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>3 Science Units from the SC30 First Schedules</td>
<td>36</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LWB131/2 Law in Context</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB135 Legislation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>3 Science Units from the SC30 First Schedules</td>
<td>36</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LWB132/1 Contracts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>3 Science Units from the SC30 Second Schedules</td>
<td>36</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>LWB132/2 Contracts</td>
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<td>3</td>
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<tr>
<td>3 Science Units from the SC30 Second Schedules</td>
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<table>
<thead>
<tr>
<th>Year 3, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LWB133/1 Torts</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>LWB232/1 Criminal Law &amp; Procedure</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>2 Science Units from the SC30 Third Schedules</td>
<td>24</td>
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<table>
<thead>
<tr>
<th>Year 3, Semester 2</th>
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</thead>
<tbody>
<tr>
<td>LWB133/2 Torts</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>LWB232/2 Criminal Law &amp; Procedure</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>2 Science Units from the SC30 Third Schedules</td>
<td>24</td>
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</table>

<table>
<thead>
<tr>
<th>Year 4, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>LWB231 Introduction to Public Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB233/1 Property 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB234/1 Equity &amp; Trusts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB332 Property 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB331 Administrative Law</td>
<td>12</td>
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<table>
<thead>
<tr>
<th>Year 4, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LWB233/2 Property 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB234/2 Equity &amp; Trusts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB235 Australian Federal Constitutional Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB333 Theories of Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB334 Corporate Law</td>
<td>12</td>
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</table>

<table>
<thead>
<tr>
<th>Year 5, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>LWB431 Civil Procedure</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB432 Evidence</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Units</td>
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</table>

<table>
<thead>
<tr>
<th>Year 5, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>LWB433 Professional Responsibility</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB434 Advanced Research &amp; Legal Reasoning</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Units</td>
<td>24</td>
<td></td>
</tr>
</tbody>
</table>

**Elective Units**

For information on the availability of law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester is dependent upon sufficient minimum enrolments in the unit and the availability of staff. The selection of all elective units is subject to the approval of the Associate Dean of the Faculty of Law.

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1 Students will be required to attend an advisory session with an academic adviser to select their Science units.

2 A student is required to complete 48 credit points of elective units. A student may undertake, as electives, units offered by other Faculties or Schools but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the units or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
Cooperative Education Program
Any student who has completed the first three years of the course normally with a GPA of not less than 4.5 overall, may, at the discretion of the Assistant Dean - Academic Affairs in the Faculty of Science and the Associate Dean in the Faculty of Law, undertake a Cooperative Education option. This involves 10-12 months of paid full-time employment in an approved industrial/commercial environment during which time the student is enrolled in the unit SCB100 Cooperative Education. On completion of the approved cooperative education placement the student resumes formal studies.

Bachelor of Applied Science (Mathematics)/Bachelor of Information Technology (IF58)

Location: Gardens Point Campus
Course Duration: 4 years full-time
Total Credit Points: 420
Course Coordinator(s):
Information Technology: Dr Colin Boyd
Mathematics: Associate Professor Helen MacGillivray

Course Structure
Students must complete at least 120 credit points from List C and List D mathematics units with at least 48 credit points from List D.

Cooperative Education Program
An optional one-year period of paid work experience is available to eligible students at the end of the third year of full-time study. Students participating in this program enrol in ITB904 - Industrial Training Experience, a 24 credit point unit.

Note: A minimum grade of 4 is normally required to fulfil the prerequisite requirements for all units in the course.

Common First Year (Commencing students only)

<table>
<thead>
<tr>
<th>Full-Time Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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INFORMATION TECHNOLOGY PRIMARY MAJOR (CONTINUING STUDENTS ONLY)
At the end of the Common First Year, students choose an Information Technology Primary Major. Primary majors are available in the following areas:
A: Computing Science
B: Data Communications
C: Database Systems
D: Information Management
E: Information Systems
F: Software Engineering
### A: Computing Science Primary Major (CSC)

**Major Coordinator:** Dr Gerard Finn

#### Full-Time Course Structure

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<thead>
<tr>
<th>Year, Semester</th>
<th>Course Code</th>
<th>Course Name</th>
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<td>Software Engineering Principles</td>
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### B: Data Communications Primary Major (DAT)

**Major Coordinator:** Mr Neville Richter

#### Full-Time Course Structure

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<td>MAB630</td>
<td>Linear Algebra &amp; Its Applications</td>
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<td>MAB637</td>
<td>Operations 1A</td>
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C: Database Systems Primary Major (DBS)

Major Coordinator: Mr David Edmond

**Full-Time Course Structure**

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<td>ITB220 Database Design</td>
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<td>ITB222 Systems Analysis &amp; Design 1</td>
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<td>MAB321 Computational Mathematics 1</td>
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<td>MAB342 Mathematics of Finance</td>
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<td>ITB246 Unix &amp; C</td>
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<td>ITB221 Lab 3 (Commercial Programming)</td>
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<td>ITB236 Object-Oriented Analysis &amp; Design</td>
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D: Information Management Primary Major (IFM)

Major Coordinator: Mr Michael Middleton
### Full-Time Course Structure

#### Year 2, Semester 1
- BSB118 Business Communications & Application Systems: 12 Credit Points, 3 Contact Hrs/Wk
- ITB220 Database Design: 12 Credit Points, 3 Contact Hrs/Wk
- MAB321 Computational Mathematics 1: 12 Credit Points, 4 Contact Hrs/Wk
- MAB342 Mathematics of Finance: 12 Credit Points, 4 Contact Hrs/Wk

#### Year 2, Semester 2
- ITB310 Information Management: 12 Credit Points, 3 Contact Hrs/Wk
- ITB520 Data Communication: 12 Credit Points, 3 Contact Hrs/Wk
- Mathematics unit selected from List C: 12 Credit Points, 4 Contact Hrs/Wk
- Mathematics unit selected from List C: 12 Credit Points, 4 Contact Hrs/Wk

#### Year 3, Semester 1
- ITB222 Systems Analysis & Design 1: 12 Credit Points, 3 Contact Hrs/Wk
- ITB320 Laboratory 3 (Database Applications): 12 Credit Points, 3 Contact Hrs/Wk
- ITB322 Information Resources: 12 Credit Points, 3 Contact Hrs/Wk
- Mathematics unit selected from List C: 12 Credit Points, 4 Contact Hrs/Wk
- Mathematics unit selected from List C: 12 Credit Points, 4 Contact Hrs/Wk

#### Year 3, Semester 2
- ITB223 Laboratory 4 (Information Support Methods): 12 Credit Points, 3 Contact Hrs/Wk
- ITB331 Information Management 2: 12 Credit Points, 3 Contact Hrs/Wk
- Mathematics unit selected from List C: 12 Credit Points, 4 Contact Hrs/Wk
- Mathematics unit selected from List C: 12 Credit Points, 4 Contact Hrs/Wk

#### Year 4, Semester 1
- ITB330 Information Issues & Values: 12 Credit Points, 3 Contact Hrs/Wk
- Mathematics unit selected from List D: 12 Credit Points, 4 Contact Hrs/Wk
- Mathematics unit selected from List D: 12 Credit Points, 4 Contact Hrs/Wk

#### Year 4, Semester 2
- Extended Major/Minor Options Unit: 12 Credit Points, 3 Contact Hrs/Wk
- Mathematics unit selected from List D: 12 Credit Points, 4 Contact Hrs/Wk
- Mathematics unit selected from List D: 12 Credit Points, 4 Contact Hrs/Wk

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### E: Information Systems Primary Major (ISS)

**Major Coordinator:** Hamish Bentley

#### Full-Time Course Structure

#### Year 2, Semester 1
- BSB118 Business Communications & Application Systems: 12 Credit Points, 3 Contact Hrs/Wk
- ITB220 Database Design: 12 Credit Points, 3 Contact Hrs/Wk
- ITB221 Laboratory 3 (Commercial Programming): 12 Credit Points, 3 Contact Hrs/Wk
- MAB321 Computational Mathematics 1: 12 Credit Points, 4 Contact Hrs/Wk
- MAB342 Mathematics of Finance: 12 Credit Points, 4 Contact Hrs/Wk

#### Year 2, Semester 2
- ITB223 Laboratory 4 (4GL Programming): 12 Credit Points, 3 Contact Hrs/Wk
- ITB520 Data Communications: 12 Credit Points, 3 Contact Hrs/Wk
- Mathematics unit selected from List C: 12 Credit Points, 4 Contact Hrs/Wk
- Mathematics unit selected from List C: 12 Credit Points, 4 Contact Hrs/Wk

#### Year 3, Semester 1
- ITB222 Systems Analysis & Design 1: 12 Credit Points, 3 Contact Hrs/Wk
- ITB231 Applications Development: 12 Credit Points, 3 Contact Hrs/Wk
- Mathematics unit selected from List C: 12 Credit Points, 4 Contact Hrs/Wk
- Mathematics unit selected from List C: 12 Credit Points, 4 Contact Hrs/Wk

#### Year 3, Semester 2
- ITB224 Systems Analysis & Design 2: 12 Credit Points, 3 Contact Hrs/Wk
- ITB233 File Structures: 12 Credit Points, 3 Contact Hrs/Wk
- Mathematics unit selected from List C: 12 Credit Points, 4 Contact Hrs/Wk
- Mathematics unit selected from List C: 12 Credit Points, 4 Contact Hrs/Wk
**Year 4, Semester 1**
- Extended Major/Minor Options Unit 12 3
- Extended Major/Minor Options Unit 12 3
- Mathematics unit selected from List D 12 4
- Mathematics unit selected from List D 12 4

**Year 4, Semester 2**
- Extended Major/Minor Options Unit 12 3
- Extended Major/Minor Options Unit 12 3
- Mathematics unit selected from List D 12 4
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**F: Software Engineering Primary Major (SOF)**

**Major Coordinator:** Mr Richard Thomas

**Full-Time Course Structure**

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**List C: Mathematics Units**

**Semester 1**
- MAB601 Multivariable Calculus 12 4
- MAB618 Computational Mathematics 2 12 4
- MAB630 Linear Algebra & Its Applications 12 4
- MAB637 Operations Research 1A 12 4
- MAB641 Actuarial Mathematics 12 4
- MAB647 Statistics 2A 12 4

**Semester 2**
- MAB612 Differential Equations 12 4
- MAB620 Finite Mathematics 12 4
MAB632 Mathematical Modelling 12 4
MAB637 Operations Research 1A 12 4
MAB638 Operations Research 1B 12 4
MAB642 Methods of Mathematical Economics 12 4
MAB648 Statistics 2B 12 4

List D: Mathematics Units

Statistics

Semester 1
MAB907 Statistics 3A 12 4
MAB970 Probability Theory & Stochastic Processes 12 4
SCB510 Introduction to Quality Management 12 4

Semester 2
MAB908 Statistics 3B 12 4
MAB929 Time Series & Statistical Forecasting 12 4
MAB974 Sampling & Survey Techniques 12 4

Quantitative Analysis

Semester 1
MAB927 Operations Research 2A 12 4
MAB941 Mathematical Modelling in Economics 12 4

Semester 2
MAB928 Operations Research 2B 12 4
MAB971 Advanced Mathematics of Finance 12 4

Applicable Mathematics

Semester 1
MAB911 Computational Maths 3A 12 4
MAB933 Mathematical Biology 12 4
MAB942 Optimisation Methods 12 4

Semester 2
MAB912 Continuum Modelling 12 4
MAB913 Computational Mathematics 3B 12 4
MAB973 Partial Differential Equations 12 4

Other Options

Semester 1
MAB906 Topics in Analysis 12 4

Semester 2
MAB960 Project Work 12 4

Information Technology Extended Major/Minor Options

Refer to the course details for the Bachelor of Information Technology (IT20) in the Faculty of Information Technology section of this Handbook.

Cooperative Education Program

(ITB904 - Industrial Training Experience)

Refer to the course details for the Bachelor of Information Technology (IT20) in the Faculty of Information Technology section of this Handbook.

Bachelor of Applied Science (in Human Movement Studies)/ Bachelor of Education (IF73)

For information on how to complete your Enrolment Form, please refer to your 1997 Enrolment Guide. Detailed information about this course, including unit synopses is available from the QUT Handbook (available from QUT Bookshop in hardcopy or disk format) or online via QUT’s Data Warehouse. (Refer to your 1997 Enrolment Guide for guidelines on how to access the QUT Data Warehouse.)
Location: Kelvin Grove campus (some units are located at Carseldine and Gardens Point campuses)

Course Duration: 4 years full-time

Total Credit Points: 432

Standard Credit Pts/Full-Time Semester: 54 (average). (Note that the minimum enrolment for full-time status varies each year).

Course Coordinators:
Human Movement Studies: Dr Tom Cuddihy
Education: Mr John Whitta

Course Requirements

Students are required to complete 240 credit points in approved units in Human Movement Studies and Health offered by the Faculty of Health and 192 credit points in approved units in Education offered by the Faculty of Education.

Teaching areas for students completing this award are Physical Education and Health.

Full-Time Course Structure for Students Enrolling in Year 1, 1997

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMB171 Fitness, Health &amp; Wellness</td>
<td>12</td>
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<tr>
<td>HMB313 Socio-Cultural Foundations of Physical Activity</td>
<td>12</td>
<td>4</td>
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<tr>
<td>LSB131 Anatomy</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>PUB327 Health Issues in Australia</td>
<td>12</td>
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<th>Year 1, Semester 2</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>CPB342 Education in Context</td>
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<tr>
<td>HMB314 Performance Skills 1</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>HMB172 Physical Activity, Nutrition &amp; Weight Control</td>
<td>12</td>
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<tr>
<td>HMB275 Exercise &amp; Sport Psychology</td>
<td>124</td>
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<tr>
<td>LEB335 Human Development &amp; Education</td>
<td>12</td>
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<tr>
<td>LSB231 Physiology</td>
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<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMB271 Motor Control &amp; Learning</td>
<td>12</td>
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</tr>
<tr>
<td>HMB274 Functional Anatomy</td>
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</tr>
<tr>
<td>LAB341 Language, Technology &amp; Education</td>
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<tr>
<td>LEB336 Psychology of Learning &amp; Teaching</td>
<td>12</td>
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<tr>
<td>PUB329 Foundations of Health Studies &amp; Health Behaviour</td>
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<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
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<tbody>
<tr>
<td>HMB273 Exercise Physiology</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>HMB276 Research in Human Movement</td>
<td>12</td>
<td>4</td>
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<tr>
<td>HMB315 Performance Skills 2</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>HMB272 Biomechanics</td>
<td>12</td>
<td>4</td>
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<tr>
<td>SSB806 Interpersonal &amp; Group Dynamics</td>
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</table>

Year 3: Year 3 is not scheduled to run until 1998. Students will be accommodated in existing Bachelor of Education (Preservice) units should they wish to commence studies in the education component of the Double Degree prior to 1998 (subject to unit availability and timetable restraints).

<table>
<thead>
<tr>
<th>Year 3, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>HMB382 Exercise Prescription</td>
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</table>

plus ONE Education unit from the following:*

CPB342 Education in Context | 12 |
LEB335 Human Development & Education | 12 |

* Enrol in the other unit not nominated in Year 1, Semester 2.

plus THREE of the following Human Movement units:

HMB316 Performance Skills 3 | 12 | 6 |
HMB361 Functional Anatomy 2 | 12 |
HMB365 Independent Study | 12 |
HMB364 Seminars in Human Movement | 12 | 4 |
HMB376  Motor Development in Children 12  4
HMB377  Children in Sport 12  4
HMB384  Injury Prevention & Rehabilitation 12  4

Year 3, Semester 2
PRB343  Secondary Professional Practice 1: Classroom Management 12
PRB344  Secondary Professional Practice 2: Curriculum Decision Making 12
Curriculum Studies 1X 12
Curriculum Studies 1Y 12

Year 4, Semester 1
CPB343  Understanding Educational Practices 12
PRB345  Secondary Professional Practice 3: The Inclusive Curriculum 12
Curriculum Studies 2X 12
Curriculum Studies 2Y 12

Year 4, Semester 2
Education Studies Elective 12
Education Studies Elective 12
PRB346  Secondary Professional Practice 4: Beginning Teaching 12
Curriculum Studies Elective 12

Course Structure Bachelor of Applied Science/Bachelor of Education

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester 1</th>
<th>Semester 2</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>4 x 12 cp discipline (3 x 'X' + 1 x 'Y')</td>
<td>1 x 12 cp Education</td>
<td>1 x 12 cp Education</td>
</tr>
<tr>
<td>Year 2</td>
<td>3 x 12 cp Discipline (3 x 'X' + 1 x 'Y')</td>
<td>1 x 12 cp Education</td>
<td>5 x 12 cp Discipline (4 x 'X' + 1 x 'Y')</td>
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<tr>
<td>Year 3</td>
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<td>1 x 12 cp Education</td>
<td>4 x 12 cp Discipline</td>
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<tr>
<td>Year 4</td>
<td>4 x 12 cp Education</td>
<td>4 x 12 cp Discipline</td>
<td>96</td>
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</table>

Key
Discipline  Refers to 240 credit points (Human Movement Studies + 48 credit points (allocated from Bachelor of Education) which make up the required 288 credit points (3 year degree) in Human Movement Studies.
Education  Refers to 192 credit points required to Bachelor of Education.
X  Discipline units taken as Bachelor of Education major.
Y  Discipline units taken as Bachelor of Education minor.

Bachelor of Applied Science/Bachelor of Education (Science/Secondary Education) (IF71)

Locations: Gardens Point campus and Kelvin Grove campus
Course Duration: 4 years full-time
Total Credit Points: 432
Standard Credit Points/Full-Time Semester: 54 (average)
Course Coordinators:
Science: Dr Al Grenfell
Education: Mr John Whitta

Full-Time Course Structure
Year 1, Semesters 1 and 2; Year 2, Semesters 1 and 2; Year 3, Semester 1
Completion of 240 credit points in units offered by the Faculty of Science meeting all the requirements for a major as specified for the SC30 program and an approved range of units suitable for general science and
the units CPB342 Education in Context, LEB335 Human Development and Education, LEB336 Psychology of Learning and Teaching, LAB341 Language Technology and Education.

**Year 3:** Year 3 is not scheduled to run until 1998. Students will be accommodated in existing Bachelor of Education (Preservice) units should they wish to commence studies in the education component of the Double Degree prior to 1998 (subject to unit availability and timetable restraints).

<table>
<thead>
<tr>
<th></th>
<th>Credit Points</th>
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<tbody>
<tr>
<td><strong>Year 3, Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRB343</td>
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<tr>
<td><strong>Year 4, Semester 1</strong></td>
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<tr>
<td>CPB343</td>
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<td>3</td>
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<tr>
<td>PRB345</td>
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<tr>
<td><strong>Year 4, Semester 2</strong></td>
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</tr>
<tr>
<td>PRB346</td>
<td>12</td>
<td>3</td>
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</tbody>
</table>

### Bachelor of Applied Science (in Human Movement Studies) / Bachelor of Business (IF46)

**Location:** Kelvin Grove and Gardens Point Campuses

**Course Duration:** 5 years full-time

**Total Credit Points:** 480

**Standard Credit Points/Full time semester:** 48

**Course Coordinator:** Dr. Keith Gilbert

**Special Course Requirements**

Students must complete 480 credit points from the required integrated course. These will consist of 240 credit points from the Bachelor of Business degree (BS56) and 240 credit points from the Bachelor of Applied Science (Human Movement Studies) degree (HM42). There are three separate strands to choose from in the Bachelor of Business degree in order that students can build the specialisation or major of their choice.

These are:

1. Management
2. International Business

Please note that students must complete the special course requirements for (BS56) Bachelor of Business and (HM42) Bachelor of Applied Science degrees.

### Full-Time Course Structure for Students Enrolling in Year 1, 1997

<table>
<thead>
<tr>
<th></th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
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<td><strong>Year 1, Semester 1</strong></td>
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</tr>
<tr>
<td>BSB115</td>
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<td>BSB116</td>
<td>12</td>
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<td>LSB131</td>
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<tr>
<td>HMB171</td>
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<td>3</td>
</tr>
<tr>
<td><strong>Year 1, Semester 2</strong></td>
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<tr>
<td>BSB113</td>
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<td>3</td>
</tr>
<tr>
<td>BSB114</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credit Points</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>LSB231</td>
<td>Physiology</td>
<td>12</td>
</tr>
<tr>
<td>HMB272</td>
<td>Biomechanics</td>
<td>12</td>
</tr>
</tbody>
</table>

**Year 2, Semester 1**
- BSB112 Business, Technology & Information 12 3
- BSB117 Professional Communication & Negotiation 12 3
- HMB274 Functional Anatomy 12 4
- SSB912 Psychology 12 3

**Year 2, Semester 2**
- HMB273 Bioenergetics & Muscle Physiology in Exercise 12 4
- HMB276 Research in Human Movement 12 4

Students majoring in MANAGEMENT also enrol in:
- MGB207 Managing Human Resources 12 3
- MGB211 Organisational Behaviour 12 3

Students majoring in INTERNATIONAL BUSINESS also enrol in:
- MIB211 Globalisation & Business 12 3
- MIB202 Business & World Economy 12 3

Students majoring in MARKETING also enrol in:
- EFB101 Data Analysis for Business 12 3
- MIB217 Marketing Management 12 3

**Year 3, Semester 1**
- BSB110 Accounting 12 3
- HMB275 Exercise & Sport Psychology 12 4
- HMB382 Exercise Prescription 12 4

Students majoring in MANAGEMENT also enrol in:
- MGB100 Methods & Analysis 12 3

Students majoring in INTERNATIONAL BUSINESS also enrol in:
- Specialisation/Double Major/Language Unit 12 3

Students majoring in MARKETING also enrol in:
- MIB204 Consumer Behaviour 12 3

**Year 3, Semester 2**
- BSB111 Business Ethics 12 3
- TWO Minor Study Units 24 6

Students majoring in MANAGEMENT also enrol in:
- Specialisation Unit 12 3

Students majoring in INTERNATIONAL BUSINESS also enrol in:
- Specialisation/Double Major/Language Unit 12 3

Students majoring in MARKETING also enrol in:
- Extended Major Unit 12 3

**Year 4, Semester 1**
- HMB271 Motor Control & Learning 12 4
- HMB313 Socio-Cultural Foundations of Physical Activity 12 4

Students majoring in MANAGEMENT also enrol in:
- MGB210 Operations Production & Service Management Specialisation Unit 12 3

Students majoring in INTERNATIONAL BUSINESS also enrol in:
- MIB203 Comparative Regulatory Systems Specialisation/Double Major/Language Unit 12 3

Students majoring in MARKETING also enrol in:
- TWO Extended Major Units 24 6

**Year 4, Semester 2**
- TWO Human Movement Studies Minor Study Units 24 8

Students majoring in MANAGEMENT also enrol in:
- TWO Specialisation Units 24 6

Students majoring in INTERNATIONAL BUSINESS also enrol in:
- BSB300 Management, the Firm & International business Specialisation/Double Major/Language Unit 12 3
Students majoring in MARKETING also enrol in:
MIB213  International Marketing  12  3
Extended Major Unit  12  3

Year 5, Semester 1
TWO 3rd Level Human Movement Studies Electives (see list below)  24  8

Students majoring in MANAGEMENT also enrol in:
MGB303  Entrepreneurship  12  3
PLUS
Specialisation unit  12  3

Students majoring in INTERNATIONAL BUSINESS also enrol in:
Area Study Unit 1  12  3
Specialisation/Double Major/Language Unit  12  3

Students majoring in MARKETING also enrol in:
MIB305  Market Research  12  3
Extended Major Unit  12  3

Year 5, Semester 2
ONE 3rd Level Human Movement Studies
(see list below)  24  4
ONE Elective Unit (from across the university)  12  4

Students majoring in MANAGEMENT also enrol in:
MGB309  Strategic Management  12  3
PLUS
Specialisation Unit  12  3

Students majoring in INTERNATIONAL BUSINESS also enrol in:
Area Study Unit 2  12  6
Specialisation/Double Major/Language Unit  12  6

Students majoring in MARKETING also enrol in:
MIB315  Strategic Marketing  12  6
Extended Major Unit  12  6

3rd Level Human Movement Studies Units
HMB372  Biophysical Bases of Movement Rehabilitation  12  4
HMB374  Psychology of Rehabilitation  12  4
HMB375  Adapted Physical Activity  12  4
HMB376  Motor Development in Children  12  4
HMB377  Children in Sport  12  4
HMB361  Functional Anatomy 2  12  4
HMB362  Biomechanics 2  12  4
HMB363  Independent Study  12  4
HMB364  Seminars in Human Movement  12  4
HMB381  Cardiovascular & Pulmonary Physiology in Exercise  12  4
HMB383  Workplace Health  12  4
HMB384  Injury Prevention & Rehabilitation  12  4
HMB316  Performance Skills 3  12  4

Business Units
For further details of available Business Specialisations, Double Majors and Language Units, consult the BS56 Bachelor of Business Course Summary Sheet or the Business Section of the QUT Handbook.

Bachelor of Applied Science (Surveying)/Bachelor of Information Technology (IF52)

See course requirements and notes relating to undergraduate courses in the Faculty of Built Environment and Engineering and the Faculty of Information Technology sections.

Course Discontinued: No further intakes. This course has been replaced by the Bachelor of Surveying/Bachelor of Information Technology (IF54). Year 5 is offered to continuing students only.

Location: Gardens Point campus
Course Duration: 4.5 years full-time
Total Credit Points: 468
Standard Credit Points/Full-Time Semester: 52 (average)

Course Coordinators:
Surveying: Mr Kevin Jones
Information Technology: Mr Michael Middleton

Professional Recognition
This course has been accredited by the Australian Computer Society as meeting the knowledge requirements associated with the grade of ‘Member’ of the Society. Graduates of the course are eligible to apply for registration as a Surveyor by the Surveyors Board of Queensland. Further experience and assessment is required for licensing.

Special Course Requirements
Students must obtain at least 90 days of industrial experience/practice in a surveying environment approved by the Course Coordinator.

Students must, not later than the fourth week of semester immediately following each period of industrial experience, submit to the Course Coordinator a report or diary in the required format, describing the work carried out during the period of experience and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from the School of Planning, Landscape Architecture and Surveying Office, or from outside the Faculty Office, Room 1006, ITE Building, Gardens Point campus. Should employment exceed the minimum required, it is strongly recommended that these details also be recorded in the report or diaries and certified by the employer as a record of experience which may be used when seeking registration or licensing by the Surveyors Board.

Students should not formally enrol in industrial experience.

Course Structure (continuing students only) Credit Points Contact Hrs/Wk

Year 5, Semester 1
IFB880/2 Project 12 3
ITB330 Information Issues & Values 12 3
PSB309 Cartography 4 8 3
PSB344 Spatial Information Science 3 8 3
Elective (Business) 12

Elective Units
General elective units of 12 credit points may be chosen from any QUT degree course, subject to prerequisite requirements and approval by the Course Coordinator. The offering of elective units in any semester depends on sufficient minimum enrolments in the unit and the availability of staff.

Recommended Business elective units are:

First Semester
BSB110 Accounting 12 3
BSB113 Economics 12 3
BSB115 Management, People & Organisations 12 3
BSB116 Marketing & International Business 12 3
MGB207 Managing Human Resources 12 3

Bachelor of Arts/Bachelor of Education (IF70)*

* Students who wish to undertake studies in Film and Media Studies apply for IF70 Bachelor of Arts (Humanities)/Bachelor of Education. There are a limited number of places available.

Locations: Carseldine campus and Kelvin Grove campus
Course Duration: 4 years full-time
Total Credit Points: 432
Standard Credit Points/Full-Time Semester: 54 (average)

Course Coordinators:
Academy of the Arts (Dance, Drama, Music, Visual Arts): Ms Kristen Bell
Humanities: Dr Joe Grixti
Film & Media Studies: Dr Graham Bruce
Education: Mr John Whitta

Humans & Media Majors

Students selecting the Bachelor of Arts (Humanities)/Bachelor of Education (IF70) who wish to undertake their major in Film and Media Studies should note that there is a quota on this teaching area and places are limited.

Year 1, Semesters 1 and 2; Year 2, Semesters 1 and 2; Year 3, Semester 1

Students will complete 240 credit points in units offered by the Faculty of Arts.

These units will include the 48 credit points Faculty of Arts core program and an approved Arts study sequence of at least 96 credit points. Students will also undertake approved studies of at least 48 credit points in a second teaching area from units on offer in the Faculty of Arts, and the Education units CPB342 Education in Context, LEB335 Human Development and Education, LEB336 Psychology of Learning and Teaching, LAB341 Language Technology and Education.

Year 3: Year 3 is not scheduled to run until 1998. Students will be accommodated in existing Bachelor of Education (Preservice) units should they wish to commence studies in the education component of the Double Degree prior to 1998 (subject to unit availability and timetable restraints).

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>PRB343</td>
<td>Secondary Professional Practice 1: Classroom Management</td>
</tr>
<tr>
<td>PRB344</td>
<td>Secondary Professional Practice 2: Curriculum Decision Making</td>
</tr>
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<td>Curriculum Studies 1X</td>
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<td>Curriculum Studies 1Y</td>
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<tr>
<td>Year 4, Semester 1</td>
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<tr>
<td>CPB343</td>
<td>Understanding Educational Practices</td>
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<td>PRB345</td>
<td>Secondary Professional Practice 3: The Inclusive Curriculum</td>
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<td>Curriculum Studies 2X</td>
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<tr>
<td>PRB346</td>
<td>Secondary Professional Practice 4: Beginning Teaching</td>
</tr>
<tr>
<td>Curriculum Studies Elective</td>
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</tbody>
</table>

Academy of the Arts Majors

- Bachelor of Arts (Dance)/Bachelor of Education (IF75)
- Bachelor of Arts (Drama)/Bachelor of Education (IF76)
- Bachelor of Arts (Music)/Bachelor of Education (IF77)
- Bachelor of Arts (Visual Arts)/Bachelor of Education (IF78)

Year 1, Semesters 1 and 2; Year 2, Semesters 1 and 2; Year 3, Semester 1

Students will complete 240 credit points in units offered by the Faculty of Arts.

These units will include the 48 credit points Faculty of Arts foundation program and an approved arts major of at least 144 credit points. Dance, Drama and Visual Arts students will also undertake approved studies of at least 48 credit points in a second teaching area from units on offer in the Faculty of Arts. Music students have the option of undertaking approved studies of at least 48 credit points in a second teaching area from units on offer in the Faculty of Arts OR taking at least 48 credit points in Music electives.
The following Education units must be taken: CPB342 Education in Context, LEB335 Human Development and Education, LEB336 Psychology of Learning and Teaching, LAB341 Language Technology and Education.

Students with Advanced Standing will follow a slightly varied program from Year 3, Semester 1, 1997 only for the Education component. Refer to 1997 Course Summary Sheet.

☐ Academy of the Arts Elective Units

Semester 1
AAB053 Gender Issues in Visual & Performing Arts 12 3
AAB055 Professional Practice* 12 3
AAB057 Independent Study* 12 3
AAB058 Arts Research+ 12 3
AAB059 Hybrid Arts Project 12 3
AAB062 Arts Event Promotion & Public Relations 12 3

Semester 2
AAB055 Professional Practice* 12 3
AAB056 Professional Studies 12 3
AAB057 Independent Study* 12 3
AAB059 Hybrid Arts Project 12 3
AAB060 Applied Research Methodologies+ 12 3
AAB061 Arts Business Management 12 3

* Available to third year students only.
+ Honours prerequisite

■ Bachelor of Arts (Dance)/Bachelor of Education (IF75)

Location: Kelvin Grove campus

Course Duration: 4 years full-time

Total Credit Points: 432

Standard Credit Points/Full-Time Semester: 54 (average). (Note that the minimum enrolment for full-time status varies each year).

Course Coordinators:
Academy of the Arts: Ms Kristen Bell
Education: Mr John Whitta

DANCE WITH MINOR OTHER THAN DRAMA

Full-Time Course Structure

Year 1, Semester 1
AAB051 Arts in Society 12 3
AAB125 Dance Analysis & History 1 12 3
AAB131 Ballet Technique 1 3 6 6
AAB135 Contemporary Technique 1 3 6 7.5
AAB171 Dance Styles 1 12 3
Choice of Faculty Core Units (see list page 147) 12

Year 1, Semester 2
AAB100 Composition 1 12 3
AAB106 Dance Analysis & History 2 12 3
AAB132 Ballet Technique 2 3 6 6
AAB136 Contemporary Technique 2 3 6 7.5
ATB100 Texts & Meanings 12 3
Second Teaching Area unit 4

3 Designated unit.
4 In consultation with the Course Coordinator, students choose units from second teaching areas such as English, Film & Media, French, Geography, History, Indonesian and Japanese.
### Year 2, Semester 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
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<tr>
<td>AAB137</td>
<td>Contemporary Technique 3&lt;sup&gt;3&lt;/sup&gt;</td>
<td>6</td>
<td>7.5</td>
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<td>AAB165/1</td>
<td>Composition 2</td>
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<td>1.5</td>
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<tr>
<td>AAX104/1</td>
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<td>Second Teaching Area unit&lt;sup&gt;4&lt;/sup&gt;</td>
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### Year 2, Semester 2

<table>
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<td>AAB114</td>
<td>Dance in Australian Society</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAB138</td>
<td>Contemporary Technique 4&lt;sup&gt;3&lt;/sup&gt;</td>
<td>6</td>
<td>7.5</td>
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### DANCE WITH MINOR IN DRAMA

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### Bachelor of Arts (Drama)/Bachelor of Education (IF76)

**Location:** Kelvin Grove campus  
**Course Duration:** 4 years full-time  
**Total Credit Points:** 432  
**Standard Credit Points/Full-Time Semester:** 54 (average). (Note that the minimum enrolment for full-time status varies each year).

---

<sup>3</sup> Designated unit.  
<sup>4</sup> In consultation with the Course Coordinator, students choose units from second teaching areas such as English, Film & Media, French, Geography, History, Indonesian and Japanese.
Course Coordinators:
*Academy of the Arts (Drama): Ms Judith McLean*
*Education: Mr John Whitta*

**DRAMA WITH MINOR OTHER THAN DANCE**

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**DRAMA WITH A MINOR IN DANCE**

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4 In consultation with the Course Coordinator, students choose units from second teaching areas such as English, Film & Media, French, Geography, History, Indonesian and Japanese.

5 Consult Course Coordinator for details of available elective units.
Drama Electives

**Semester 1**
- AAB252 Studies in Theatre History 2 12 3
- AAB253 Studies in Theatre History 3 12 3
- AAB258 Acting Studies 2 12 5
- AAB276 Visual Theatre - Design 12 3
- AAB278 Technical Theatre 12 3
- AAB306 Directing for Theatre 12 3

**Semester 2**
- AAB277 Physical Theatre 12 3
- AAB278 Technical Theatre 12 3
- AAB280 Drama as Social Action 12 3
- AAB307 Writing for Performance 12 4

### Bachelor of Music/Bachelor of Education (IF77)

**Location:** Kelvin Grove campus

**Course Duration:** 4 years full-time

**Total Credit Points:** 432

**Standard Credit Points/Full-Time Semester:** 54 (average). (Note that the minimum enrolment for full-time status varies each year).

**Course Coordinators:**

*Academy of the Arts (Music):* Ms Sue Forster  
*Education:* Mr John Whitta

**Full-Time Course Structure**

#### SECONDARY CLASSROOM MUSIC SPECIALISATION

**Year 1, Semester 1**
- AAB051 Arts in Society 12 3  
- AAB601/1 Musicianship 1 6 5  
- AAB604/1 Writing Techniques 1 6 2  
- AAB606/1 Principal Studies 1 12  
- AAB611 Music from 1600-1750 12 3  
- AAB622/1 Second Study 1 6 1  
  - OR  
  - Second Teaching area unit 4

**Year 1, Semester 2**
- AAB602/1 Musicianship 1 6 5  
- AAB604/2 Writing Techniques 1 6 2  
- AAB606/2 Principal Studies 1 12  
- AAB612 Music from 1750-1900 12 3  
- AAB622/2 Second Study 1 6 1  
  - AND  
  - Second Teaching area unit 4

**Year 2, Semester 1**
- AAB602/1 Musicianship 2 6 2  
- AAB605/2 Writing Techniques 2 6 2  
- AAB607/1 Principal Studies 1 12  
- AAB613 Music from 1900-1950 12 3  
- AAB623 Choral Conducting 12 3  
  - OR  
  - Second Teaching area unit 4

---

3 Designated unit.

4 In consultation with the Course Coordinator, students choose units from second teaching areas such as English, Film & Media, French, Geography, History, Indonesian and Japanese.
### SECOND TEACHING AREA UNIT

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### INSTRUMENTAL TEACHING SPECIALISATION

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#### Choice of Faculty Core Units (see list page 147)

#### YEAR 2, SEMESTER 2

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#### Choice of Faculty Core Units (see list page 147)

### PRIMARY MUSIC SPECIALISATION

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#### YEAR 1, SEMESTER 2

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### Footnotes:

3 Designated unit.

4 In consultation with the Course Coordinator, students choose units from second teaching areas such as English, Film & Media, French, Geography, History, Indonesian and Japanese.
AAB622/2 Second Study 1 6 1
ATB100 Texts & Meanings 12 3
Music elective 12

**Year 2, Semester 1**
AAB602/1 Musicianship 2 6 2
AAB605/2 Writing Techniques 2 6 2
AAB607/1 Principal Studies 13 12
AAB613 Music from 1900-1950 12 3
AAB623 Choral Conducting 12 3
Choice of Faculty Core units (see list page 147) 12

**Year 2, Semester 2**
AAB602/2 Musicianship 2 6 2
AAB605/2 Writing Techniques 2 6 2
AAB607/2 Principal Studies 13 12
AAB614 Music from 1950 to Present Day 12 3
AAB617 Choral & Instrumental Arranging 12 3
Choice of Faculty Core Units (see list page 147) 12 3

**Music Electives**
AAB618 Composition for Film & Television 12 3
AAB619 Introduction to Music Technology 12 3
AAB621 Studio Recording Techniques 12 3
AAB624 Computer Music 12 3
AAB625 Instrumental Conducting 12 3
AAB627 Studio Music Teaching 12 3
AAB630 Orchestration 12 3

---

**Bachelor of Arts (Visual Arts)/Bachelor of Education (IF78)**

**Location:** Kelvin Grove campus

**Course Duration:** 4 years full-time

**Total Credit Points:** 432

**Standard Credit Points/Full-Time Semester:** 54 (average). (Note that the minimum enrolment for full-time status varies each year).

**Course Coordinators:**

- Academy of the Arts (Visual Arts): Dr David Hawke
- Education: Mr John Whitta

**Full-Time Course Structure**

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAB051 Arts in Society</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAB740 Foundation Art Practice 13</td>
<td>24</td>
<td>12</td>
</tr>
<tr>
<td>Choice of Faculty Core Units (see list page 147)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Second Teaching Area unit4</td>
<td>12</td>
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<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAB726 Introduction to Art History</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAB741 Foundation Art Practice 23</td>
<td>24</td>
<td>12</td>
</tr>
<tr>
<td>ATB100 Texts &amp; Meanings</td>
<td>12</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>AAB701 Modernism</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AAB742 Studio Art Practice 13</td>
<td>12</td>
<td>6</td>
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<tr>
<td>Visual Arts Studio elective (see list below)</td>
<td>12</td>
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</tr>
<tr>
<td>Choice of Faculty Core Units (see list page 147)</td>
<td>12</td>
<td>3</td>
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<tr>
<td>Second Teaching Area unit4</td>
<td>12</td>
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</tbody>
</table>

3 Designated unit.

4 In consultation with the Course Coordinator, students choose units from second teaching areas such as English, Film & Media, French, Geography, History, Indonesian and Japanese.
**Year 2, Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>AAB056</td>
<td>Professional Studies</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AAB743</td>
<td>Studio Art Practice 2(^3)</td>
<td>12</td>
<td>6</td>
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<tr>
<td></td>
<td>Visual Arts Studio electives (see list below)</td>
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<tr>
<td></td>
<td>Second Teaching Area unit(^4)</td>
<td>24</td>
<td>12</td>
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**Visual Arts Studio Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAB455</td>
<td>Computer Graphics (Semester 1 only)</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AAB457</td>
<td>Sculpture (Semester 2 only)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAP503</td>
<td>Clay Materials</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AAP505</td>
<td>Fibre (Semester 1 only)</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AAP507</td>
<td>Painting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAP509</td>
<td>Photographic Media</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAP511</td>
<td>Printmaking</td>
<td>12</td>
<td>3</td>
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</table>

---

**Bachelor of Arts/Bachelor of Laws (IF36)**

**Location:** Carseldine and Gardens Point campuses

**Course Duration:** 5 years full-time

**Total Credit Points:** 528

**Standard Credit Points/Full-Time Semester:** 52.8

**Course Coordinators:**

*Arts:* Dr Joe Grixti  
*Law:* Professor Malcolm Cope

**Professional Recognition**

For information on the academic requirements of the Solicitors’ or Barristers’ Board of Queensland please refer to the section on professional recognition in the Bachelor of Laws course entry in the Faculty of Law section of this Handbook.

**Full-Time Course Structure**

<table>
<thead>
<tr>
<th>Years 1 and 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td><strong>Year 3, Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LWB130 Introduction to Study in Law</td>
<td>(2 weeks)</td>
<td></td>
</tr>
<tr>
<td>LWB131/1 Law in Context</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB132/1 Contracts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB133/1 Torts</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>LWB134 Research &amp; Legal Reasoning</td>
<td>12</td>
<td>3</td>
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<table>
<thead>
<tr>
<th><strong>Year 3, Semester 2</strong></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LWB131/2 Law in Context</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB132/2 Contracts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB133/2 Torts</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>LWB135 Legislation</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Year 4, Semester 1</strong></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LWB231 Introduction to Public Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB232/1 Criminal Law &amp; Procedure</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB233/1 Property 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB234/1 Equity &amp; Trusts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB332 Property 2</td>
<td>12</td>
<td>3</td>
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<table>
<thead>
<tr>
<th><strong>Year 4, Semester 2</strong></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LWB232/2 Criminal Law &amp; Procedure</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB233/2 Property 1</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

\(^3\) Designated unit.

\(^4\) In consultation with the Course Coordinator, students choose units from second teaching areas such as English, Film & Media, French, Geography, History, Indonesian and Japanese.
Elective Units
For information on the availability of law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester is dependent upon sufficient minimum enrolments in the unit and the availability of staff. The selection of all elective units is subject to the approval of the Associate Dean of the Faculty of Law.

Bachelor of Arts (Journalism/Media Studies)/Bachelor of Laws (IF35)
Location: Gardens Point and Carseldine
Course Duration: 5 years full-time
Total Credit Points:
Standard Credit Points/Full-time Semester:
Course Coordinators:
Law: Professor Malcolm Cope
Journalism: Associate Professor Len Granato
Media Studies: Dr Graham Bruce
Professional Recognition
For information on the academic requirements of the Solicitors’ or Barristers’ Board of Queensland, please refer to the section on professional recognition in the Bachelor Laws course entry in the Faculty of Law section of this Handbook. For information on the academic requirements of the accrediting bodies recognising study in the Bachelor of Arts component, refer to the section on professional recognition in the relevant majors within the Bachelor of Arts course entry.

COURSE STRUCTURE – JOURNALISM MAJOR
Students supplement the law component of this programs with two Arts’ Faculty core units and one major consisting of sixteen units undertaken in the Faculty of Arts journalism major.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>MJB101</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJB120</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJB140</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB130</td>
<td>12</td>
<td>(2 weeks)</td>
</tr>
<tr>
<td>LWB131/1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB134</td>
<td>12</td>
<td>3</td>
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Year 1, Semester 2
MJB121 Journalistic Inquiry 12 3
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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</thead>
<tbody>
<tr>
<td>MJB180</td>
<td>Speech Communication for Journalists</td>
<td>12</td>
</tr>
<tr>
<td>HUB600</td>
<td>Australian Society &amp; Culture</td>
<td>12</td>
</tr>
<tr>
<td>LWB131/2</td>
<td>Law in Context</td>
<td>12</td>
</tr>
<tr>
<td>LWB135</td>
<td>Legislation</td>
<td>12</td>
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**Year 2, Semester 1**

<table>
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<tbody>
<tr>
<td>MJB239</td>
<td>Journalism Ethics &amp; Issues</td>
<td>12</td>
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<tr>
<td>MJB224</td>
<td>Feature Writing</td>
<td>12</td>
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<tr>
<td>MJB155</td>
<td>Media Production</td>
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**Year 2, Semester 2**

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<tbody>
<tr>
<td>MJB232</td>
<td>Radio &amp; TV Journalism 1</td>
<td>12</td>
</tr>
<tr>
<td>MJB250</td>
<td>Language &amp; Literature</td>
<td>12</td>
</tr>
<tr>
<td>MJB336</td>
<td>New Media Technologies</td>
<td>12</td>
</tr>
<tr>
<td>LWB132/2</td>
<td>Contracts</td>
<td>12</td>
</tr>
</tbody>
</table>

**Year 3, Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MJB322</td>
<td>Sub-editing &amp; Layout</td>
<td>12</td>
</tr>
<tr>
<td>MJB338</td>
<td>Radio &amp; TV Journalism 2</td>
<td>12</td>
</tr>
<tr>
<td>LWB133/1</td>
<td>Torts</td>
<td>12</td>
</tr>
<tr>
<td>LWB232/1</td>
<td>Criminal Law &amp; Procedure</td>
<td>12</td>
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**Year 3, Semester 2**

<table>
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<tbody>
<tr>
<td>MJB303</td>
<td>News Production</td>
<td>12</td>
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<tr>
<td>MJB337</td>
<td>Public Affairs Reporting</td>
<td>12</td>
</tr>
<tr>
<td>LWB133/2</td>
<td>Torts</td>
<td>12</td>
</tr>
<tr>
<td>LWB232/2</td>
<td>Criminal Law &amp; Procedure</td>
<td>12</td>
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</tbody>
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**Year 4, Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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</thead>
<tbody>
<tr>
<td>LWB231</td>
<td>Introduction to Public Law</td>
<td>12</td>
</tr>
<tr>
<td>LWB233/1</td>
<td>Property 1</td>
<td>12</td>
</tr>
<tr>
<td>LWB234/1</td>
<td>Equity &amp; Trusts</td>
<td>12</td>
</tr>
<tr>
<td>LWB331</td>
<td>Administrative Law</td>
<td>12</td>
</tr>
<tr>
<td>LWB332</td>
<td>Property 2</td>
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**Year 4, Semester 2**

<table>
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<th>Course Title</th>
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<tr>
<td>LWB233/2</td>
<td>Property 1</td>
<td>12</td>
</tr>
<tr>
<td>LWB234/2</td>
<td>Equity &amp; Trusts</td>
<td>12</td>
</tr>
<tr>
<td>LWB235</td>
<td>Australian Federal Constitutional Law</td>
<td>12</td>
</tr>
<tr>
<td>LWB333</td>
<td>Theories of Law</td>
<td>12</td>
</tr>
<tr>
<td>LWB334</td>
<td>Corporate Law</td>
<td>12</td>
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**Year 5, Semester 1**

<table>
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<th>Course Title</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>LWB431</td>
<td>Civil Procedure</td>
<td>12</td>
</tr>
<tr>
<td>LWB432</td>
<td>Evidence</td>
<td>12</td>
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**Year 5, Semester 2**

<table>
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<tr>
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<th>Course Title</th>
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<tr>
<td>LWB433</td>
<td>Professional Responsibility</td>
<td>12</td>
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<tr>
<td>LWB434</td>
<td>Advanced Research &amp; Legal Reasoning</td>
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**Elective Units**

For information on the availability of law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester is dependent upon sufficient minimum enrolments in the unit and the availability of staff.

**COURSE STRUCTURE – MEDIA STUDIES MAJOR**

Students supplement the law component of this program with two Arts’ Faculty core units and one major consisting of sixteen units undertaken in the Faculty of Arts media studies Major.

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* A student is required to complete 24 credit points of elective units. A student may undertake, as electives, units offered by other Faculties or Schools provided pre-requisites are satisfied but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units form a coherent program.
<table>
<thead>
<tr>
<th>Full-Time Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MJB130 Media Text Analysis</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJB141 Film &amp; Television Language</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJB140 Media &amp; Society</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB130 Introduction to Study in Law (2 weeks)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB131/1 Law in Context</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB134 Research &amp; Legal Reasoning</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Year 1, Semester 2</strong></td>
<td></td>
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</tr>
<tr>
<td>MJB147 Film &amp; Television Genres</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MJB111 Media Writing OR</td>
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<td></td>
</tr>
<tr>
<td>MJB155 Media Production</td>
<td>12</td>
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<tr>
<td>PLUS select one Arts’ Faculty Core Unit</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB131/2 Law in Context</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LWB135 Legislation</td>
<td>12</td>
<td>3</td>
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<tr>
<td><strong>Year 2, Semester 1</strong></td>
<td></td>
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<tr>
<td>MJB233 Television Cultures</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MJB120 Newswriting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>HUB600 Australian Society &amp; Culture</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB132/1 Contracts</td>
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<td>3</td>
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<td><strong>Year 2, Semester 2</strong></td>
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<tr>
<td>MJB209 Australian Television</td>
<td>12</td>
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<tr>
<td>MJB204 Media Industries &amp; Issues</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PLUS select one Arts’ Faculty Core Unit</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB132/2 Contracts</td>
<td>12</td>
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<tr>
<td>MJB343 American Film</td>
<td>12</td>
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<tr>
<td>MJB305 American Film &amp; Society OR</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJB310 Asian &amp; Latin American Cinema</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB133/1 Torts</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>LWB232/1 Criminal Law &amp; Procedure</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Year 3, Semester 2</strong></td>
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<td></td>
</tr>
<tr>
<td>MJB336 New Media Technologies</td>
<td>12</td>
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</tr>
<tr>
<td>MJB307 Feminist Media Studies OR</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MJB344 European Cinema</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB133/2 Torts</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>LWB232/2 Criminal Law &amp; Procedure</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Year 4, Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LWB231 Introduction to Public Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB233/1 Property 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB234/1 Equity &amp; Trusts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB331 Administrative Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB332 Property 2</td>
<td>12</td>
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<tr>
<td><strong>Year 4, Semester 2</strong></td>
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<td></td>
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<tr>
<td>LWB233/2 Property 1</td>
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Elective Units

For information on the availability of law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester is dependent upon sufficient minimum enrolments in the unit and the availability of staff.

### Faculty of Arts Core Units

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<td>Media &amp; Society</td>
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<td>Introduction to Human Rights</td>
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**Semester 2**

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<td>SSB912</td>
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NB: SSB912 offered instead of SSB003 but has the same content.

### Bachelor of Business/Bachelor of Education (IF72)

**Location:** Gardens Point campus, Carseldine campus and Kelvin Grove campus

**Course Duration:** 4 years full-time

**Total Credit Points:** 432

**Standard Credit Points/Full-Time Semester:** 54 (average)

**Course Coordinators:**

*Business:* Dr Sandra Harding

*Education:* Mr John Whitta

**Special Note:** Students with advanced standing in 1997 should refer to their 1997 Course Summary Sheet for enrolment advice as the education component of the double degree has been varied.

### Full-time Course Structure

The order of Education Studies units may vary from that shown in semesters 6, 7 and 8 in years prior to 1998.

**Year 1, Semesters 1 and 2; Year 2, Semesters 1 and 1; Year 3, Semester 1**

Students will complete 240 credit points in units offered by the Faculty of Business. These units will include the 96 credit points Business Faculty core and 72 credit points (6 units) in each of two major areas drawn from Accountancy, Economics or Communication as specified in the Bachelor of Business rules.

They will also complete the education units CPB342 Education in Context, LEB335 Human Development and Education, LEB Psychology of Learning and Teaching, LAB341 Language Technology and Education.

**Year 3:** Year 3 is not scheduled to run until 1998. Students will be accommodated in existing Bachelor of Education (Preservice) units should they wish to commence studies in the education component of the Double Degree prior to 1998 (subject to unit availability and timetable restraints).

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7 A student is required to complete 48 credit points of elective units. A student may undertake, as electives, units offered by other faculties or schools provided pre-requisites are satisfied but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty of School responsible for the unit or course. Approval by the Faculty of Law will require a student to demonstrate that the units form a coherent program.
Bachelor of Business/Bachelor of Laws (IF41)


Location: Gardens Point campus (study on other campuses may be required, depending on major selected)

Course Duration: 5 years full-time

Total Credit Points: 528

Standard Credit Points/Full-Time Semester: 60

Course Coordinators:
Business: Dr Sandra Harding
Law: Professor Malcolm Cope

Professional Recognition

For information on the academic requirements of the Solicitors’ or Barristers’ Board of Queensland, please refer to the section on professional recognition in the Bachelor of Laws course entry in the Faculty of Law section of this Handbook. For information on the academic requirements of the accrediting bodies recognising study in the Bachelor of Business component, refer to the section on professional recognition in the relevant majors within the Bachelor of Business course entry.

Course Structure

Students supplement the law component of this program with seven Business Faculty core units and one major consisting of six units and undertaken in the Faculty of Business, selected from the following: Banking and Finance; Communication; Economics; Human Resource Management; International Business; Management; or Marketing as well as three extended major/specialisation units. For information on the units within each of the majors, refer to the relevant section in the Bachelor of Business (BS56) course entry.

BUSINESS MAJORS

BANKING & FINANCE (BKF)

<table>
<thead>
<tr>
<th>Full-Time Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
<td></td>
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<tr>
<td>BSB112 Business Technology &amp; Information</td>
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<tr>
<td>BSB113 Economics</td>
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<tr>
<td>BSB115 Management, People &amp; Organisations</td>
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<td>LWB130 Introduction to Study in Law</td>
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<td>(2 weeks)</td>
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<td>LWB131/1 Law in Context</td>
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<td>3</td>
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<tr>
<td>LWB134 Research &amp; Legal Reasoning</td>
<td>12</td>
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<td>BSB110 Accounting</td>
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<td>BSB116 Marketing &amp; International Business</td>
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<td>Year 2, Semester 1</td>
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<td>LWB135 Legislation</td>
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<td><strong>BSB114 Government, Business &amp; Society</strong></td>
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<td><strong>EFB307 Finance II</strong></td>
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<td>LWB232/1 Criminal Law &amp; Procedure</td>
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<td>LWB133/2 Torts</td>
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<td>LWB232/2 Criminal Law &amp; Procedure</td>
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<tr>
<td>LWB434 Advanced Research &amp; Legal Reasoning</td>
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<tr>
<td>Elective Units (3)</td>
<td></td>
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</table>

**Extended Major units in Banking & Finance**

IF41 students must complete either:

(a) EFB310 Financial Institutions – Control, and
EFB311 Financial Institutions – Lending, and
AYB312 Financial Institutions Law
OR

(b) EFB308 Finance III, and
EFB318 Portfolio & Security Analysis, and
One Finance elective

to satisfy academic requirements for Senior Associate Membership of the Australian Institute of Banking and Finance (AIBF).

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8 *Extended Major/Specialisation Units for the Bachelor of Business*: All Extended Major/Specialisation units are valued at 12 credit points and will normally involve at least 3 contact hours per week. For information regarding units on offer, refer to the BS56 Course Summary Sheet, or contact your School Administration Officer, in the Faculty of Business.
## COMMUNICATION (CMU)

### Full-Time Course Structure

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<td>Management, People &amp; Organisations</td>
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<td>BSB117</td>
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8 **Extended Major/Specialisation Units for the Bachelor of Business**: All Extended Major/Specialisation units are valued at 12 credit points and will normally involve at least 3 contact hours per week. For information regarding units on offer, refer to the BS56 Course Summary Sheet, or contact your School Administration Officer, in the Faculty of Business.
## ECONOMICS (ECO)

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<th>Course Title</th>
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<td>Firms, Markets &amp; Resources</td>
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<td>Current Economic Policy Challenges</td>
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<td>EFB314</td>
<td>International Trade &amp; Economic Competitiveness</td>
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<td>LWB234/2</td>
<td>Equity &amp; Trusts</td>
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<td>LWB334</td>
<td>Corporate Law</td>
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<td>LWB333</td>
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<td>3</td>
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<td><strong>Year 5, Semester 1</strong></td>
<td>LWB431</td>
<td>Civil Procedure</td>
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<td>LWB432</td>
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</table>

* Extended Major/Specialisation Units for the Bachelor of Business: All Extended Major/Specialisation units are valued at 12 credit points and will normally involve at least 3 contact hours per week. For information regarding units on offer, refer to the BS56 Course Summary Sheet, or contact your School Administration Officer, in the Faculty of Business.
Extended Major in Advanced Economic Analysis
(IF41 students only need to complete three units to meet course requirements.)

EFB303 Advanced Microeconomics 12 3
EFB302 Advanced Macroeconomics 12 3
EFB317 Microeconomic Reform 12 3
EFB313 International Macroeconomics 12 3

plus two units from the Extended Major Options list.

Economic Extended Major Options
EFB200 Applied Regression Analysis
EFB203 Business Forecasting
EFB204 Comparative Economic Systems
EFB207 Development of Economic Thought
EFB209 Environmental Economics: Issues & Policy
EFB210 Finance I
EFB213 Introduction to Analytical Techniques for Business
EFB214 Mathematical Applications in Economics & Finance
EFB215 Monetary Theory & Policy
EFB217 Transport & Communication Economics
EFB304 Advanced Econometric Techniques
EFB306 Economic Model Building
EFB307 Finance II
EFB316 Labour Economics
EFB319 Public Sector Economics
EFB321 Special Topic – Economics

HUMAN RESOURCE MANAGEMENT (HRM)

Full-Time Course Structure

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<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>BSB110 Accounting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB115 Management, People &amp; Organisations</td>
<td>12</td>
<td>3</td>
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<tr>
<td>BSB116 Marketing &amp; International Business</td>
<td>12</td>
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<tr>
<td>LWB130 Introduction to Study in Law</td>
<td>12</td>
<td>(2 weeks)</td>
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<tr>
<td>LWB131/1 Law in Context</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LWB134 Research &amp; Legal Reasoning</td>
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<tbody>
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<tr>
<td>BSB113 Economics</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB117 Professional Communication &amp; Negotiation</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LWB131/2 Law in Context</td>
<td>12</td>
<td>3</td>
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<td>LWB135 Legislation</td>
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<tbody>
<tr>
<td>BSB114 Government, Business &amp; Society</td>
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<tr>
<td>LWB132/1 Contracts</td>
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<tr>
<td>MGB207 Managing Human Resources</td>
<td>12</td>
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<td>MGB211 Organisational Behaviour</td>
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<tbody>
<tr>
<td>LWB132/2 Contracts</td>
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<tr>
<td>MGB217 Training &amp; Development I</td>
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Two approved Business Extended Major/Specialisation units<sup>8</sup>

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<tr>
<th>Year 3, Semester 1</th>
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<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>LWB133/1 Torts</td>
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<td>3</td>
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<td>LWB232/1 Criminal Law &amp; Procedure</td>
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<td>MGB100 Methods &amp; Analysis</td>
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<td>MGB328 Work &amp; Performance</td>
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<sup>8</sup> Extended Major/Specialisation Units for the Bachelor of Business: All Extended Major/Specialisation units are valued at 12 credit points and will normally involve at least 3 contact hours per week. For information regarding units on offer, refer to the BS56 Course Summary Sheet, or contact your School Administration Officer, in the Faculty of Business.
### Year 3, Semester 2
- LWB133/2 Torts 12 3
- LWB232/2 Criminal Law & Procedure 12 3
- MGB320 Recruitment & Selection 1 12 3

One approved Business Extended Major/Specialisation unit

### Year 4, Semester 1
- LWB231 Introduction to Public Law 12 3
- LWB233/1 Property 1 12 3
- LWB234/1 Equity & Trusts 12 3
- LWB331 Administrative Law 12 3
- LWB332 Property 2 12 3

### Year 4, Semester 2
- LWB233/2 Property 1 12 3
- LWB234/2 Equity & Trusts 12 3
- LWB235 Australian Federal Constitutional Law 12 3
- LWB333 Theories of Law 12 3
- LWB334 Corporate Law 12 3

### Year 5, Semester 1
- LWB431 Civil Procedure 12 3
- LWB432 Evidence 12 3

Elective Units (3)

### Year 5, Semester 2
- LWB433 Professional Responsibility 12 3
- LWB434 Advanced Research & Legal Reasoning 12 3

Elective Units (3)

## INTERNATIONAL BUSINESS (INB)

### Full-Time Course Structure

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<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>BSB110 Accounting</td>
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<tr>
<td>BSB115 Management, People &amp; Organisations</td>
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<tr>
<td>BSB116 Marketing &amp; International Business</td>
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<tr>
<td>LWB130 Introduction to study in Law</td>
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<td>(2 weeks)</td>
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<tr>
<td>LWB131/1 Law in Context</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB134 Research &amp; Legal Reasoning</td>
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<tbody>
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<td>BSB113 Economics</td>
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<tr>
<td>BSB117 Professional Communication &amp; Negotiation</td>
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<td>LWB131/2 Law in Context</td>
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<td>LWB135 Legislation</td>
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<td>MIB203 Comparative Regulatory Systems</td>
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8 **Extended Major/Specialisation Units for the Bachelor of Business:** All Extended Major/Specialisation units are valued at 12 credit points and will normally involve at least 3 contact hours per week. For information regarding units on offer, refer to the BS56 Course Summary Sheet, or contact your School Administration Officer, in the Faculty of Business.
Year 3, Semester 2
BSB300  Management, the Firm & International Business  12  3
One approved Business Extended Major/Specialisation unit¹
LWB133/2 Torts  12  3
LWB232/2 Criminal Law & Procedure  12  3

Year 4, Semester 1
LWB231  Introduction to Public Law  12  3
LWB233/1 Property 1  12  3
LWB234/1 Equity & Trusts  12  3
LWB331  Administrative Law  12  3
LWB332  Property 2  12  3

Year 4, Semester 2
LWB235  Australian Federal Constitutional Law  12  3
LWB233/2 Property 1  12  3
LWB234/2 Equity & Trusts  12  3
LWB333  Theories of Law  12  3
LWB334  Corporate Law  12  3

Year 5, Semester 1
LWB431  Civil Procedure  12  3
LWB432  Evidence  12  3
Elective Units (3)

Year 5, Semester 2
LWB433  Professional Responsibility  12  3
LWB434  Advanced Research & Legal Reasoning  12  3
Elective Units (3)

Area Study units for the International Business Major
MIB200  Asian Business Development  12  3
MIB317  Contemporary Business in Asia  12  3
MIB208  European Business Development  12  3
MIB300  Contemporary Business in Europe  12  3
MIB219  North American Business Development  12  3
MIB301  Contemporary Business in North America  12  3

MANAGEMENT (MAN)

Full-Time Course Structure

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<td>BSB116  Marketing and International Business</td>
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<td>BSB115  Management, People &amp; Organisations</td>
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<tr>
<td>LWB130  Introduction to Study in Law</td>
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<td>LWB131/1 Law in Context</td>
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<td>LWB134  Research &amp; Legal Reasoning</td>
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<td>BSB117  Professional Communication &amp; Negotiation</td>
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<td>LWB132/1 Contracts</td>
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</tr>
<tr>
<td>MGB100  Methods &amp; Analysis</td>
<td>12</td>
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</tr>
<tr>
<td>MGB207  Managing Human Resources</td>
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**Year 2, Semester 2**

- LWB132/2 Contracts
- MGB211 Organisational Behaviour

Two approved Business Extended Major/Specialisation units

**Year 3, Semester 1**

- MGB210 Operations, Production & Service Management
- MGB303 Entrepreneurship
- LWB133/1 Torts
- LWB232/1 Criminal Law & Procedure

**Year 3, Semester 2**

One approved Business Extended Major/Specialisation unit

- LWB133/2 Torts
- LWB232/2 Criminal Law & Procedure
- MGB309 Strategic Management

**Year 4, Semester 1**

- LWB231 Introduction to Public Law
- LWB233/1 Property 1
- LWB234/1 Equity & Trusts
- LWB332 Property 2
- LWB331 Administrative Law

**Year 4, Semester 2**

- LWB235 Australian Federal Constitutional Law
- LWB233/2 Property 1
- LWB234/2 Equity & Trusts
- LWB334 Corporate Law
- LWB333 Theories of Law

**Year 5, Semester 1**

- LWB431 Civil Procedure
- LWB432 Evidence

Elective Units (3)

**Year 5, Semester 2**

- LWB433 Professional Responsibility
- LWB434 Advanced Research & Legal Reasoning

Elective Units (3)

**MARKETING (MKG)**

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<th>Full-Time Course Structure</th>
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**Year 1, Semester 1**

- BSB110 Accounting
- BSB116 Marketing & International Business
- BSB115 Management, People & Organisations
- LWB130 Introduction to Study in Law (2 weeks)
- LWB131/1 Law in Context
- LWB134 Research & Legal Reasoning

**Year 1, Semester 2**

- BSB117 Professional Communication & Negotiation
- BSB112 Business Technology & Information
- LWB131/2 Law in Context
- LWB135 Legislation
- MIB217 Marketing Management

**Year 2, Semester 1**

- BSB114 Government, Business & Society
- EFB101 Data Analysis for Business
- LWB132/1 Contracts
- MIB204 Consumer Behaviour

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Year 2, Semester 2
BSB113 Economics 12 3
LWB132/2 Contracts 12 3
MIB213 International Marketing 12 3

Year 3, Semester 1
MIB305 Market Research 12 3
LWB133/1 Torts 12 3
LWB232/1 Criminal Law & Procedure 12 3

Year 3, Semester 2
MIB315 Strategic Marketing 12 2
LWB133/2 Torts 12 3
LWB232/2 Criminal Law & Procedure 12 3

Year 4, Semester 1
LWB231 Introduction to Public Law 12 3
LWB233/1 Property 1 12 3
LWB234/1 Equity & Trusts 12 3
LWB331 Administrative Law 12 3
LWB332 Property 2 12 3

Year 4, Semester 2
LWB235 Australian Federal Constitutional Law 12 3
LWB233/2 Property 1 12 3
LWB234/2 Equity & Trusts 12 3
LWB333 Theories of Law 12 3
LWB334 Corporate Law 12 3

Year 5, Semester 1
LWB431 Civil Procedure 12 3
LWB432 Evidence 12 3
Elective Units (3)

Year 5, Semester 2
LWB433 Professional Responsibility 12 3
LWB434 Advanced Research & Legal Reasoning 12 3
Elective Units (3)

Elective Units
In order to complete the requirements for the Bachelor of Laws program, a student is required to complete 48 credit points of elective units. In order to gain professional accreditation for their Bachelor of Business course, students may need to fully complete an extended major or specialised field of study by availing themselves of the opportunity to complete the additional business units as elective units within the Bachelor of Laws component of the course program. A student may undertake units offered by other Faculties but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units or courses, a student must demonstrate that the units selected from a coherent program and must obtain the approval of the Course Coordinator.

Bachelor of Business (Accountancy)/Bachelor of Laws (IF37)

Course Duration: 5 years full-time
Total Credit Points: 544
Standard Credit Points: Semester 1-5: 60; Semesters 6-10: 48
Course Coordinators:
Business: Dr Sandra Harding
Law: Professor Malcolm Cope

Extended Major/Specialisation Units for the Bachelor of Business: All Extended Major/Specialisation units are valued at 12 credit points and will normally involve at least 3 contact hours per week. For information regarding units on offer, refer to the BS56 Course Summary Sheet, or contact your School Administration Officer, in the Faculty of Business.
Professional Recognition

The combined Accountancy/Law degree satisfies the academic requirements of the Institute of Chartered Accountants in Australia and the Australian Society of Certified Practising Accountants. For membership purposes, the ASCPA will not accept a grade of 3 in core accounting units unless a grade of 4 or better is achieved in a subsequent core unit. For information on the academic requirements of the Solicitors’ or Barristers’ Board of Queensland please refer to the section on professional recognition in the Bachelor of Laws course entry in the Faculty of Law section of the Handbook.

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<tr>
<td>BSB110 Accounting</td>
<td>12</td>
<td>4</td>
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<tr>
<td>BSB113 Economics</td>
<td>12</td>
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</tr>
<tr>
<td>BSB114 Government, Business &amp; Society</td>
<td>12</td>
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<tr>
<td>LWB130 Introduction to Study in Law</td>
<td>(2 weeks)</td>
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<tr>
<td>LWB131/1 Law in Context</td>
<td>12</td>
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<tr>
<td>LWB134 Research &amp; Legal Reasoning</td>
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<tr>
<td>AYB121 Financial Accounting</td>
<td>12</td>
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<tr>
<td>EFB101 Data Analysis for Business</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB112 Business Technology &amp; Information</td>
<td>12</td>
<td>3</td>
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<td>LWB131/2 Law in Context</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LWB135 Legislation</td>
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<th>Credit Points</th>
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<tbody>
<tr>
<td>AYB221 Computerised Accounting Systems</td>
<td>12</td>
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<td>AYB220 Company Accounting</td>
<td>12</td>
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<tr>
<td>EFB210 Finance I</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LWB132/1 Contracts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB133/1 Torts</td>
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<tbody>
<tr>
<td>AYB225 Management Accounting I</td>
<td>12</td>
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<tr>
<td>BSB115 Management, People &amp; Organisations</td>
<td>12</td>
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<tr>
<td>EFB102 Economics II</td>
<td>12</td>
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<td>LWB132/2 Contracts</td>
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<tr>
<td>LWB133/2 Torts</td>
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<tbody>
<tr>
<td>AYB301 Auditing</td>
<td>12</td>
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<tr>
<td>BSB116 Marketing &amp; International Business</td>
<td>12</td>
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<tr>
<td>BSB117 Professional Communication &amp; Negotiation</td>
<td>12</td>
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<tr>
<td>LWB231 Introduction to Public Law</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LWB232/1 Criminal Law &amp; Procedure</td>
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<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>AYB311 Financial Accounting Theory</td>
<td>12</td>
<td>4</td>
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</table>
| OR
| AYB321 Management Accounting Theory | 12 | 4 |
| LWB232/2 Criminal Law & Procedure | 12 | 3 |
| LWB235 Australian Federal Constitutional Law | 12 | 3 |
| LWB366 Law of Commercial Entities | 8 | 2 |

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<th>Year 4, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>LWB233/1 Property 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB234/1 Equity &amp; Trusts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB331 Administrative Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB332 Property 2</td>
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<table>
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<th>Year 4, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>LWB233/2 Property 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB234/2 Equity &amp; Trusts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB333 Theories of Law</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LWB334 Corporate Law</td>
<td>12</td>
<td>3</td>
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</table>
Year 5, Semester 1
LWB364 Introduction to Taxation Law 12 3
LWB431 Civil Procedure 12 3
LWB432 Evidence 12 3
Elective Units 9 16

Year 5, Semester 2
LWB359 Advanced Taxation Law 12 2
LWB433 Professional Responsibility 12 3
LWB434 Advanced Research & Legal Reasoning 12 3
Elective Units 9 16

Elective Units
For availability of law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester is dependent upon sufficient minimum enrolments in the unit and the availability of staff. The selection of all elective units is subject to the approval of the Associate Dean of the Faculty of Law.

Bachelor of Health Science (Family & Consumer Studies)/Bachelor of Education (IF74)

Location: Kelvin Grove campus
Course Duration: 4 years full-time
Total Credit Points: 432

Standard Credit Pts/Full-Time Semester: 54 (average). (Note that the minimum enrolment for full-time status varies each year).

Course Coordinators:
Family and Consumer Studies: Ms Melinda Service
Education: Mr John Whitta

Special note: Students with advanced standing in 1997 should refer to their 1997 Course Summary Sheet for enrolment advice as the education component of the double degree has been varied.

Full-Time Course Structure
Students complete 240 credit points in approved units offered by the School of Public Health, Faculty of Health. Students will undertake 192 credit points in units which are in accordance with requirements specified for the PU40 program and 48 credit points in approved studies in the second teaching area of Health.

Four education units are also undertaken. These are: CPB342 Education in Context, LEB335 Human Development & Education, LEB336 Psychology of Learning and Teaching, LAB341 Language Technology and Education.

Credit Points Contact Hrs/Wk

LIST A – Education units to be taken over the first 5 semesters of the course

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEB336</td>
<td>Psychology of Learning &amp; Teaching</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LAB341</td>
<td>Language Technology &amp; Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CPB342</td>
<td>Education in Context</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LEB335</td>
<td>Human Development &amp; Education</td>
<td>12</td>
<td>3</td>
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</table>

Year 1, Semester 1

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUB103</td>
<td>Primary Health Care</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUB105</td>
<td>Psychosocial &amp; Cultural Studies of the Family</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUB123</td>
<td>Human Development &amp; Relationships</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUB251</td>
<td>Contemporary Public Health</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>
### Year 1, Semester 2
- PUB201 Public Health Nutrition 1: 12 credit points, 3 contact hours/week
- PUB233 Communication Information & Education for Health: 12 credit points, 3 contact hours/week
- HUB007 Health & Ethics: 12 credit points, 3 contact hours/week
- Two Education Studies units (see List A): 24 credit points

### Year 2, Semester 1
- PUB341 Nutrition Education: 12 credit points, 3 contact hours/week
- PUB309 Design Applications: 12 credit points, 3 contact hours/week
- PUB329 Foundation of Health Studies & Health Behaviour: 12 credit points, 3 contact hours/week
- Two Education Studies units (see List A): 24 credit points

### Year 2, Semester 2
- PUB321 Textiles 1: 12 credit points, 3 contact hours/week
- PUB372 Shelter Studies 1: 12 credit points, 3 contact hours/week
- PUB403 Public Health Care 2: 12 credit points, 3 contact hours/week
- PUB217 Management & Consumer Studies: 12 credit points, 3 contact hours/week
- PUB677 Consumer Rights & Advocacy: 12 credit points, 3 contact hours/week

### Year 3
Year 3 is not scheduled to run until 1998. Students will be accommodated in existing Bachelor of Education (Preservice) units should they wish to commence studies in the education component of the Double Degree prior to 1998 (subject to unit availability and timetable restraints).

### Year 3, Semester 1
- PUB314 Epidemiology & Statistics: 12 credit points, 3 contact hours/week
- Four approved Elective units from the PU40 program: 48 credit points

### Year 3, Semester 2
- PRB343 Secondary Professional Practice 1: Classroom Management: 12 credit points
- PRB344 Secondary Professional Practice 2: Curriculum Decision Making: 12 credit points
- Curriculum Studies 1X: 12 credit points, 3 contact hours/week
- Curriculum Studies 1Y: 12 credit points, 3 contact hours/week

### Year 4, Semester 1
- CPB343 Understanding Educational Practices: 12 credit points, 3 contact hours/week
- PRB345 Secondary Professional Practice 3: The Inclusive Curriculum: 12 credit points
- Curriculum Studies 2X: 12 credit points, 3 contact hours/week
- Curriculum Studies 2Y: 12 credit points, 3 contact hours/week

### Year 4, Semester 2
- PRB346 Secondary Professional Practice 4: Beginning Teaching: 12 credit points
- Education Studies Elective: 12 credit points, 3 contact hours/week
- Curriculum Studies Elective: 12 credit points, 3 contact hours/week

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**Bachelor of Education/Bachelor of Information Technology (IF79)**

**Location:** Gardens Point campus, Carseldine campus and Kelvin Grove campus

**Course Duration:** 4 years full-time

**Total Credit Points:** 432

**Standard Credit Points/Full-Time Semester:** 54 (average). (Note that the minimum enrolment for full-time status varies each year.)

**Course Coordinators:**
- **Education:** Mr John Whitta
- **Information Technology:** Vacant

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB105 Study of Information Technology</td>
<td>0</td>
<td>(2 weeks)</td>
</tr>
<tr>
<td>ITB106 Foundations of Computing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB225 Introduction to Databases</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB410 Software Development 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB412 Technology of Information Systems</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>
Year 1, Semester 2
CPB342 Education in Context 12 3
ITB107 Programming Laboratory 12 3
ITB310 Information Management 12 3
ITB510 Communications Networks 12 3
LEB355 Human Development & Education 12 3

Year 2, Semester 1
ITB411 Software Development 2 12 3
ITB220 Database Design 12 3
ITB222 System Analysis & Design 1 12 3
LAB341 Language Technology & Education 12 3
Minor 12

Year 2, Semester 2
ITB424 Software Engineering Principles 12 3
ITB431 Programming Language Paradigms 12 3
LEB336 Psychology of Learning & Teaching 12 3
IT Elective Unit 12 3
Minor 12

Year 3, Semester 1
PRB343 Secondary Professional Practice 1: Classroom Management 12 3
IT Elective Unit 12 3
IT Elective Unit 12 3
IT Elective Unit 12 3
Minor 12

Year 3, Semester 2
PRB344 Secondary Professional Practice 2: Curriculum Decision Making 12 3
Minor 12
Curriculum Studies 1X10 12
Curriculum Studies 1Y10 12

Year 4, Semester 1
CPB343 Understanding Educational Practices 12 3
PRB345 Secondary Professional Practice 3: The Inclusive Curriculum 12 3
Curriculum Studies 2X10 12
Curriculum Studies 2Y10 12

Year 4, Semester 2
PRB346 Secondary Professional Practice 4: Beginning Teaching 12 3
Education Studies Elective10 12
Education Studies Elective10 12
Curriculum Studies Elective10 12

Information Technology Elective Units
Units should be chosen from units offered within the Bachelor of Information Technology, subject to fulfilling prerequisite requirements. Students should check with the IT Course Coordinator before enrolling.

Bachelor of Information Technology/Bachelor of Laws (IF38)

Location: Gardens Point campus
Course Duration: 5 years full-time
Total Credit Points: 528
Standard Credit Points/Full-Time Semester: 52.8
Course Coordinators:
Information Technology: Mr Bob Smyth
Law: Professor Malcolm Cope
Professional Recognition
This course will be accredited by the Australian Computer Society as meeting the knowledge requirements

Refer to the Bachelor of Education (Secondary) entry in the Faculty of Education section in the Handbook for details of available units.
associated with the grade of ‘Member’ of the Society. For information on the academic requirements of the Solicitors’ or Barristers’ Board of Queensland please refer to the section on professional recognition in the Bachelor of Laws course entry in the Faculty of Law section of the Handbook.

### Full Time Course Structure (Commencing Students 1997)

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>ITB105 Study of Information Technology</td>
<td>0</td>
<td>2 weeks</td>
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<tr>
<td>ITB106 Foundations of Computing</td>
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<td>3</td>
</tr>
<tr>
<td>ITB225 Introduction to Databases</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB410 Software Development 1</td>
<td>12</td>
<td>3</td>
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<tr>
<td>ITB412 Technology of Information Systems</td>
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<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>ITB107 Programming Laboratory</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB310 Information Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB411 Software Development 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB510 Communications Networks</td>
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<th>Year 2, Semester 1 (Continuing Students only)</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>ITB220 Database Design</td>
<td>12</td>
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<tr>
<td>ITB221 Laboratory 3 (Commercial Programming)</td>
<td>12</td>
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<td>ITB520 Data Communications</td>
<td>12</td>
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<tr>
<td>LWB130 Introduction to Study in Law (2 weeks)</td>
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<td>LWB131/1 Law in Context</td>
<td>12</td>
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<tr>
<td>LWB134 Research &amp; Legal Reasoning</td>
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<td>ITB223 Laboratory 4 (4GL Programming)</td>
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<td>ITB233 File Structures</td>
<td>12</td>
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<tr>
<td>LWB131/2 Law in Context</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LWB135 Legislation</td>
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<th>Year 3, Semester 1</th>
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<tbody>
<tr>
<td>ITB222 Systems Analysis &amp; Design 1</td>
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<td>ITB230 Project</td>
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<tr>
<td>LWB132/1 Contracts</td>
<td>12</td>
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</tr>
<tr>
<td>LWB133/1 Torts</td>
<td>12</td>
<td>4</td>
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<tr>
<td>LWB232/1 Criminal Law &amp; Procedure</td>
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<tr>
<td>ITB241 Information Systems Management</td>
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<td>LWB132/2 Contracts</td>
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</tr>
<tr>
<td>LWB133/2 Torts</td>
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<td>4</td>
</tr>
<tr>
<td>LWB232/2 Criminal Law &amp; Procedure</td>
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<tr>
<td>LWB231 Introduction to Public Law</td>
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<td>LWB233/1 Property 1</td>
<td>12</td>
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<tr>
<td>LWB234/1 Equity &amp; Trusts</td>
<td>12</td>
<td>3</td>
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<td>LWB332 Property 2</td>
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<tr>
<td>LWB234/2 Equity &amp; Trusts</td>
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<td>3</td>
</tr>
<tr>
<td>LWB235 Australian Federal Constitutional Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB334 Corporate Law</td>
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<th>Year 5, Semester 1</th>
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<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>LWB331 Administrative Law</td>
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<td>3</td>
</tr>
<tr>
<td>LWB431 Civil Procedure</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB432 Evidence</td>
<td>12</td>
<td>3</td>
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</tbody>
</table>

### Elective Units

A student is required to complete 48 credit points of elective units. A student may undertake, as electives, units offered by other Faculties or Schools but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the units or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
### Year 5, Semester 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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<tr>
<td>LWB333</td>
<td>Theories of Law</td>
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<td>LWB433</td>
<td>Professional Responsibility</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB434</td>
<td>Advanced Research &amp; Legal Reasoning</td>
<td>12</td>
<td>3</td>
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<tr>
<td>Elective Units²</td>
<td></td>
<td>24</td>
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</table>

**Elective Units**

For availability of Law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester is dependent upon sufficient minimum enrolments in the unit and the availability of staff. The selection of all elective units is subject to the approval of the Associate Dean of the Faculty of Law.

### Bachelor of Information Technology/Bachelor of Laws (IF33)

**Course Discontinued:** No further intakes. This course has been replaced by Bachelor of Information Technology/Bachelor of Laws (IF38).

**Location:** Gardens Point campus

**Course Duration:** 5 years full-time

**Total Credit Points:** 528

**Standard Credit Points/Full-Time Semester:** 56.1 (average)

**Course Coordinators:**
- **Information Technology:** Mr Bob Smyth
- **Law:** Professor Malcolm Cope

**Course Structure (continuing students only)**

<table>
<thead>
<tr>
<th>Year 5, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LWB431 Civil Procedure</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB432 Evidence</td>
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</tr>
<tr>
<td>Elective Units²</td>
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<tr>
<th>Year 5, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LWB333 Theories of Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB433 Professional Responsibility</td>
<td>12</td>
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<tr>
<td>LWB434 Advanced Research &amp; Legal Reasoning</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Units²</td>
<td>24</td>
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</tr>
</tbody>
</table>

**Elective Units**

For availability of Law elective units, refer to relevant section in the Bachelor of Laws course entry in the Faculty of Law section. The offering of elective units in any semester is dependent upon sufficient minimum enrolments in the unit and the availability of staff. The selection of all elective units is subject to the approval of the Associate Dean of the Faculty of Law.

### Bachelor of Engineering (Civil)/Bachelor of Applied Science (Mathematics) (IF42)

See course requirements and notes relating to undergraduate courses in the Faculty of Built Environment and Engineering section.

**Location:** Gardens Point campus

**Course Duration:** 5 years full-time

**Total Credit Points:** 544

**Standard Credit Points/Full-Time Semester:** average 54

² A student is required to complete 48 credit points of elective units. A student may undertake, as electives, units offered by other Faculties or Schools but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the units or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
Course Coordinators:
Civil Engineering: Professor Rod Troutbeck
Mathematics: Associate Professor Helen MacGillivray

Professional Recognition
This degree meets the requirements for membership of the Institution of Engineers, Australia, and the coursework requirements for accredited graduate membership of the Australian Mathematical Society (GAustMS).

Special Course Requirements
A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial employment/practice in an engineering environment approved by the Course Coordinator (Civil).

Candidates must, not later than the fourth week of semester immediately following each period of industrial employment/practice, submit to the Course Coordinator (Civil) (through the Faculty Office), a report in the required format, describing the work carried out during the period of industrial employment/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from the Faculty Industrial Experience Officer in Room ITE 1006, ITE Building, Gardens Point campus.

Students should not formally enrol in industrial experience/practice.

Full-Time Course Structure

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<thead>
<tr>
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<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>CEB184 Engineering Mechanics 1</td>
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<td>3</td>
</tr>
<tr>
<td>MEB134 Materials 1</td>
<td>(8)</td>
<td>(3)</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEB181 Engineering Communication</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MAB301 Calculus &amp; Analysis A</td>
<td>12</td>
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<tr>
<td>MAB303 Algebra &amp; Analysis B</td>
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<tr>
<td>MAB347 Statistics 1A</td>
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<td>PHB134 Engineering Physics 1B</td>
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<tr>
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<tbody>
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<td>ITB841 Introduction to Computing</td>
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<td>MEB181 Engineering Communication</td>
<td>(8)</td>
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<tr>
<td>OR</td>
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<tr>
<td>MEB134 Materials 1</td>
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<tr>
<td>MAB304 Calculus &amp; Vector Algebra</td>
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<td>MAB321 Computational Mathematics 1</td>
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<td>MAB348 Statistics 1B</td>
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<td>CEB254 Structural Engineering 1</td>
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<td>CEB242 Soil Mechanics 2A</td>
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11 Choice to be made by Course Coordinator (timetable dependent).
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<td>Water &amp; Wastewater Systems</td>
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<td><strong>Year 5, Semester 1</strong></td>
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</tr>
<tr>
<td>Maths Elective</td>
<td></td>
<td>12</td>
<td>4</td>
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</table>

An optional elective could be added if desired with the permission of the Course Coordinators. The fifth Mathematics elective in Year 5 above may be done in Semester 1 if desired.

**Note:** Limited deviations from the above course structure may be possible with the permission of both Course Coordinators. This is more likely to apply in the later than the earlier years of the course.

**Civil Engineering Elective Units**

*A' Electives*

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<tr>
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<td>CEB505</td>
<td>Project Management &amp; Administration</td>
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<tr>
<td>CEB512</td>
<td>Transport Engineering 1</td>
<td>8</td>
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<tr>
<td>CEB520</td>
<td>Finite Element Methods</td>
<td>8</td>
</tr>
<tr>
<td>CEB541</td>
<td>Geotechnical Engineering 2</td>
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</tr>
<tr>
<td>CEB561</td>
<td>Coastal Engineering</td>
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</table>

*B' Electives*

<table>
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<tbody>
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<tr>
<td>CEB503</td>
<td>Advanced Construction Methods</td>
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<tr>
<td>CEB506</td>
<td>Civil Engineering Practice 2</td>
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<td>CEB511</td>
<td>Transport Engineering 2</td>
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<tr>
<td>CEB531</td>
<td>Masonry Design</td>
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<tr>
<td>CEB542</td>
<td>Geotechnical Engineering 3</td>
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<tr>
<td>CEB543</td>
<td>Environmental Geotechnology</td>
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<tr>
<td>CEB551</td>
<td>Advanced Structural Design</td>
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</table>
INTERFACULTY COURSES

Recommended Maths Electives are given below in three strands. (All units are 12 credit points.)

1. COMPUTATIONAL MATHS/MATHEMATICAL MODELLING AND INDUSTRIAL MATHEMATICS

**Year 4, Semester 1**
MAB911 Computational Mathematics 3A

**Year 4, Semester 2**
MAB913 Computational Mathematics 3B

**Year 5, Semester 1**
MAB942 Optimisation Methods
OR
MAB912 Continuum Modelling

**Year 5, Semester 2**
MAB973 Partial Differential Equations
PLUS one of MAB602 Vector Field Theory or MAB632 Mathematical Modelling.

2. PROBABILITY AND STATISTICS

**Year 4, Semester 1**
MAB907 Statistics 3A

**Year 4, Semester 2**
MAB908 Statistics 3B

**Year 5, Semester 1**
SCB510 Introduction to Quality Management

**Year 5, Semester 2**
MAB929 Time Series & Statistical Forecasting
OR
MAB974 Sampling & Survey Techniques
Remaining Maths Elective: Any MAB unit for which prerequisites are satisfied.

3. OPERATIONS RESEARCH

**Year 4, Semester 1**
SCB510 Introduction to Quality Management

**Year 4, Semester 2**
MAB638 Operations Research IB

**Year 5, Semester 1**
MAB927 Operations Research 2A

**Year 5, Semester 2**
MAB928 Operations Research 2B
Remaining Maths Elective: Any MAB9-- unit for which prerequisites are satisfied.

**Bachelor of Engineering (Electrical and Computer Engineering)/ Bachelor of Applied Science (Mathematics) (IF44)**

See course requirements and notes relating to undergraduate courses in the Faculty of Built Environment and Engineering, and the Faculty of Science sections.

**Location:** Gardens Point campus

**Course Duration:** 5 years full-time

**Total Credit Points:** 540

**Standard Credit Points/Full-Time Semester:** 54 (average)

**Course Coordinators:**
*Mathematics:* Associate Professor Helen MacGillivray  
*Engineering:* Dr Abdelhak Zoubir
Professional Recognition
This degree meets the requirements for membership of the Institution of Engineers, Australia, the Institution of Radio and Electronics Engineers, and the coursework requirements for accredited graduate membership of the Australian Mathematical Society (GAustMS).

Special Course Requirements
A candidate for the degree of Bachelor of Engineering (Electrical and Computer Engineering)/Bachelor of Applied Science (Mathematics) must obtain at least 60 days of industrial employment/practice in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester following each period of industrial employment/practice, submit to the Course Coordinator (through the Faculty Office), a report in the required format, describing the work carried out during the period of employment/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Records Forms are available from the Faculty Employment Officer in Room ITE1006.

Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>EEB101 Circuits &amp; Measurements</td>
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<td>MAB301 Calculus &amp; Analysis A</td>
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<td>MAB303 Algebra &amp; Analysis B</td>
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<tr>
<td>MAB347 Statistics 1A</td>
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<td>MEB181 Engineering Communication</td>
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<td>PHB134 Engineering Physics 1B</td>
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<td>EEB210 Network Analysis</td>
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<td>EEB270 Digital Design Principles</td>
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<td>EEB530 Engineering Electromagnetics</td>
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<td>EEB420 Control Systems 1</td>
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<td>EEB665 Transmission &amp; Propagation</td>
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**Year 4, Semester 2**

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<td>MAB913</td>
<td>Computational Mathematics 3B</td>
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**Year 5, Semester 1**

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**Year 5, Semester 2**

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**Electrical Elective Lists**

**List A, ‘A’ Electives**

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<tr>
<td>E532</td>
<td>Power Systems 1</td>
<td>8</td>
<td>3</td>
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<td>EEB564</td>
<td>Information Theory Modulation &amp; Noise</td>
<td>8</td>
<td>3</td>
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<tr>
<td>EEB963</td>
<td>Statistical Communications</td>
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**List B, ‘A’ Electives**

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**List C, ‘A’ Electives**

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<td>Power Systems Analysis</td>
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<td>EEB752</td>
<td>Power Electronics</td>
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<td>EEB765</td>
<td>Microwave &amp; Antenna Technology</td>
<td>8</td>
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<td>EEB762</td>
<td>Communications Technology</td>
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<td>EEB763</td>
<td>Modern Signal Processing</td>
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<td>EEB791</td>
<td>Advanced Eng Computing 1</td>
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**List D, ‘A’ Electives**

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<td>Advanced Control Systems</td>
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<td>3</td>
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<td>EEB842</td>
<td>Power Systems Engineering</td>
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<tr>
<td>EEB891</td>
<td>Signal Computing &amp; Real Time DSP</td>
<td>8</td>
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<td>EEB892</td>
<td>Advanced Engineering Computing 2</td>
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<td>EEB869</td>
<td>Signal Filtering &amp; Estimation</td>
<td>8</td>
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<td>OR ‘B’ elective offered</td>
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**‘B’ Electives**

These units will only be offered if enrolments are sufficient.

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<th>Course Code</th>
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<tr>
<td>BNB003</td>
<td>Professional Practice in Asia/Pacific</td>
<td>8</td>
<td>3</td>
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<tr>
<td>EEB910</td>
<td>Photovoltaic Engineering</td>
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<td>3</td>
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</tbody>
</table>
EEB923 Industrial Control Systems 8 3  
EEB957 High Voltage Equipment 8 3  
EEB958 Electrical Energy Utilisation 8 3  
EEB959 Power Electronics Applications 8 3  
EEB965 Microwave Systems Engineering 8 3  
EEB974 VLSI Circuits & Systems 8 3  
EEB975 Electromagnetic Compatibility 8 3  
EEB990 Advanced Information Technology Topics 8 3  
EEB999 Advanced Engineering Topics 8 3  

**Computing Electives**  
ITB448 Object Technology 12 3  
ITB461 Foundations of Neurocomputing 12 3  
ITB520 Data Communications 12 3  
ITB543 Data Security 12 3  
ITB548 Introduction to Cryptology 12 3  
ITB549 Error Control & Data Compression 12 3  

**Mathematics Electives are given below in two strands:**  

**Computational Mathematics/Mathematical Modelling:**  

*Year 4, Semester 1*  
MAB911 Computational Mathematics 3A 12 4  

*Year 4, Semester 2*  
MAB913 Computational Mathematics 3B 12 4  

*Year 5, Semester 1 and Semester 2 Electives from*  
MAB906 Topics in Analysis 12 4  
MAB912 Continuum Modelling 12 4  
MAB929 Time Series & Statistical Forecasting 12 4  
MAB942 Optimisation Methods 12 4  
MAB973 Partial Differential Equations 12 4  
MAB975 Ordinary Differential Equations and Chaos 12 3  

**Probability and Statistics:**  

*Year 4, Semester 1*  
MAB907 Statistics 3A 12 4  

*Year 4, Semester 2*  
MAB929 Time Series & Statistical Forecasting 12 4  

*Year 5, Semester 1*  
MAB970 Probability Theory & Stochastic Processes 12 4  
AND one of the following:  
MAB637 Operations Research 1A 12 4  
MAB906 Topics in Analysis 12 4  
MAB911 Computational Mathematics 3A 12 4  
SCB510 Introduction to Quality Management 12 4  

*Year 5, Semester 2*  
MAB908 Statistics 3B 12 4  
MAB978 Statistical Signal Processing & Image Analysis 12 3  

**Note:** Some deviations from the above course structure may be possible with the permission of the Course Coordinator. This is more likely to apply in the later years than the earlier years of the course.

### Bachelor of Engineering (Electronics)/Bachelor of Information Technology (IF25)  

See course requirements and notes relating to undergraduate courses in the Faculty of Built Environment and Engineering, and the Faculty of Information Technology sections.  

**Note:** This course has replaced IF23 and IF24. Continuing students enrolled in IF23 and in IF24 should refer to their course summary sheets or contact the School of Electrical and Electronic Systems Engineering for enrolment details.
INTERFACULTY COURSES

Location: Gardens Point campus

Course Duration: 5 years full-time

Total Credit Points: 560

Standard Credit Points/Full-Time Semester: 56

Course Coordinators:

Information Technology: Dr Paul Roe
Engineering: Dr Neil Bergmann

Professional Recognition

This course will be accredited by the Australian Computer Society as meeting the training and experience requirements for admission to the grade of Member of the Society. It is accredited by the Institution of Engineers, Australia, and the Institution of Radio and Electronics Engineers, Australia as meeting the training requirements for admission to graduate membership of these institutions.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial employment/practice in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester following each period of industrial employment/practice, submit to the Course Coordinator (through the Faculty Office), a report in the required format, describing the work carried out during the period of employment/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Records Forms are available from the Faculty Employment Officer in Room ITE1006.

Students should not formally enrol in industrial experience/practice.

Full-Time Course Structure (Commencing Students 1997)

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<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>EEB101  Circuits &amp; Measurements</td>
<td>8</td>
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<td>ITB105  Study of Information Technology</td>
<td>0 (2 weeks)</td>
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<tr>
<td>ITB106  Foundations of Computing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB410  Software Development 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MAB103  Introductory Engineering Mathematics</td>
<td>(8) (3)</td>
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<tr>
<td>MAB187  Engineering Mathematics 1A</td>
<td>8</td>
<td>4</td>
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<tr>
<td>PHB134  Engineering Physics 1B</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MEB181  Engineering Communication</td>
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Year 1, Semester 2

| EEB270  Digital Design Principles | 8 | 3 |
| EEB210  Network Analysis | 8 | 4 |
| ITB107  Programming Laboratory | 12 | 3 |
| ITB411  Software Development 2 | 12 | 3 |
| MAB188  Engineering Mathematics 1B | 8 | 4 |
| PHB234  Engineering Physics 2B | 8 | 3 |

Full-Time Course Structure (Continuing Students)

Year 2, Semester 1

| EEB310  Network Synthesis | 8 | 4 |
| EEB350  Electrical Energy Conversion 1 | 8 | 3 |
| EEB375  Electronics 1 | 8 | 4 |
| ITB421  Data Structure & Algorithms | 12 | 3 |
| ITB422  Laboratory 3 (ADTs in C/Unix Environment) | 12 | 3 |
| MAB485  Engineering Mathematics 2C | 8 | 3 |

Year 2, Semester 2

| EEB450  Electrical Energy Conversion 2 | 8 | 3 |
| EEB475  Microprocessor Systems | 8 | 3 |
| EEB476  Electronics 2 | 8 | 4 |

12 MAB103 Introductory Engineering Mathematics is to be taken only by those students not obtaining an HA or better in Maths B or SA in Maths C or its equivalent.
<table>
<thead>
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<th>Credits</th>
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<td>Technology of Information Systems</td>
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<tr>
<td>ITB424</td>
<td>Software Engineering Principles</td>
<td>12</td>
<td>3</td>
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<td>MAB486</td>
<td>Engineering Mathematics 2D</td>
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**Year 3, Semester 1**

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<td>Introduction to Telecommunications</td>
<td>8</td>
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<tr>
<td>EEB530</td>
<td>Engineering Electromagnetics</td>
<td>8</td>
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<td>EEB587</td>
<td>Design 1</td>
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<td>ITB420</td>
<td>Computer Architecture</td>
<td>12</td>
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<td>ITB423</td>
<td>Laboratory 4 (Software Development)</td>
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<td>MAB893</td>
<td>Engineering Mathematics 3</td>
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**Year 3, Semester 2**

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<td>EEB665</td>
<td>Transmission &amp; Propagation</td>
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<td>EEB788</td>
<td>Design 2</td>
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<td>EEB881</td>
<td>Production Technology &amp; Quality</td>
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<td>ITB430</td>
<td>Concurrent Systems</td>
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<td>ITB431</td>
<td>Programming Language Paradigms</td>
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**Year 4, Semester 1**

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<td>EEB565</td>
<td>Signals &amp; Linear Systems</td>
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<td>EEB682</td>
<td>Engineering Business Skills</td>
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<td>Language &amp; Language Processing</td>
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**Year 4, Semester 2**

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<td>EEB668</td>
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<td>EEB820</td>
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<td>ITB450</td>
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**Year 5, Semester 1**

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**Year 5, Semester 2**

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<td>OR</td>
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**Electrical Elective Lists**

**List A, ‘A’ Electives**

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<th>Credits</th>
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<tr>
<td>EEB564</td>
<td>Information Theory Modulation &amp; Noise</td>
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<td>3</td>
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<td>VLSI Circuits and Systems</td>
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**List B, ‘A’ Electives**

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<tbody>
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<td>Power Systems 2</td>
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<td>EEB667</td>
<td>Digital Communications</td>
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<tr>
<td>EEB871</td>
<td>Applied Electronics</td>
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List C, ‘A’ Electives
EEB741 Power Systems Analysis 8 3
EEB752 Power Electronics 8 3
EEB762 Communications Technology 8 3
EEB763 Modern Signal Processing 8 3
EEB765 Microwave & Antenna Technology 8 3
EEB791 Advanced Engineering Computing 1 8 3
OR
A third year ‘A’ elective not yet attempted
OR
’B’ elective offered

List D, ‘A’ Electives
EEB822 Advanced Control Systems 8 3
EEB842 Power Systems Engineering 8 3
EEB869 Signal Filtering & Estimation 8 3
EEB891 Signal Computing & Real Time DSP 8 3
EEB892 Advanced Engineering Computing 2 8 3
OR
A third year ‘A’ elective not yet attempted
OR
’B’ elective offered

‘B’ Electives
These units will only be offered if enrolments are sufficient.
BNB003 Professional Practice in Asia/Pacific 8 3
EEB910 Photovoltaic Engineering 8 3
EEB923 Industrial Control Systems 8 3
EEB957 High Voltage Equipment 8 3
EEB958 Electrical Energy Utilisation 8 3
EEB959 Power Electronics Applications 8 3
EEB963 Statistical Communications 8 3
EEB965 Microwave Systems Engineering 8 3
EEB975 Electromagnetic Compatibility 8 3
EEB990 Advanced Information Technology Topics 8 3
EEB999 Advanced Electrical Engineering Topics 8 3

Computing Electives
ITB441 Graphics 12 3
ITB442 Foundations of Artificial Intelligence 12 3
ITB443 Systems Programming 12 3
ITB444 Special Studies 1 12 3
ITB445 Special Studies 2 12 3
ITB448 Object Technology 12 3
ITB454 Software Quality Assurance 12 3
ITB455 Integrated Software Engineering Environment 12 3
ITB456 Intelligent Graphic User Interfaces 12 3
ITB457 Foundation Programming 12 3
ITB458 Java & Extensible Programming 12 3
ITB461 Foundations of Neurocomputing 12 3
ITB463 Pattern Recognition 12 3
MAB172 Statistical Methods 12 3

■ Bachelor of Engineering (Manufacturing Systems)/Bachelor of Business (Marketing) (IF56)
See course requirements and notes relating to undergraduate courses in the Faculty of Built Environment and Engineering.
Location: Gardens Point
Course Duration: 5 years full-time
Total Credit Points: 568
Course Coordinator: Dr R. Mahalinga-Iyer

Professional Recognition
Membership of the Institution of Engineers, Australia.

Special Course Requirements
A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial employment/practice in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester immediately following each period of industrial experience, submit to the Course Coordinator (through the Faculty Office), a report in the required format, describing the work carried out during the period of experience and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from outside the Faculty Office, Room 1006, ITE Building, Gardens Point campus.

Students should not formally enrol in industrial employment.

<table>
<thead>
<tr>
<th>Full-Time Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
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<tbody>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
<td></td>
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<tr>
<td>BSB116 Marketing &amp; International Business</td>
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<tr>
<td>BSB117 Professional Communication &amp; Negotiation</td>
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<tr>
<td>CEB184 Engineering Mechanics 1</td>
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<tr>
<td>MAB103 Introductory Engineering Mathematics&lt;sup&gt;12&lt;/sup&gt;</td>
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<tr>
<td>MAB187 Engineering Mathematics 1A</td>
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<td>MEB173 Manufacturing Practice</td>
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<td>PHB134 Engineering Physics 1B</td>
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<tr>
<td>BSB110 Accounting</td>
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<td>BSB114 Government, Business &amp; Society</td>
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<tr>
<td>MAB188 Engineering Mathematics 1B</td>
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<tr>
<td>MEB111 Dynamics</td>
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<td>MEB134 Materials 1</td>
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<tr>
<td>MEB213 Mechanics of Solids</td>
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<td><strong>Year 2, Semester 1</strong></td>
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<tr>
<td>BSB113 Economics</td>
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<td>EFB101 Data Analysis for Business</td>
<td>12</td>
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<tr>
<td>EEB101 Circuits &amp; Measurements</td>
<td>8</td>
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<tr>
<td>ITB842 Unix and C for Engineers</td>
<td>8</td>
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<tr>
<td>MAB487 Engineering Mathematics 2A</td>
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<td>MEB181 Engineering Communication</td>
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<td>BSB115 Management, People &amp; Organisation</td>
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<td>EEB209 Electrical Engineering 2M</td>
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<td>MAB488 Engineering Mathematics 2B</td>
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<td>MEB473 Manufacturing Engineering 1</td>
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<td>MIB217 Marketing Management</td>
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<td>MEB314 Mechanics 1</td>
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<td>MEB352 Thermodynamics 1</td>
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<td>MEB363 Fluids 1</td>
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<td>MEB572 Manufacturing Engineering 2</td>
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<td>MIB204 Consumer Behaviour</td>
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<td>BSB111 Business Ethics</td>
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<tr>
<td>EEB270 Digital Design Principles</td>
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<tr>
<td>MEB336 Materials Technology 2</td>
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</table>

<sup>12</sup> MAB103 Introductory Engineering Mathematics is to be taken only by those students not obtaining an HA or better in Maths B or SA in Maths C or its equivalent.
<table>
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<tr>
<th>Course Code</th>
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<tr>
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<td>MEB676</td>
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<tr>
<td>MIB213</td>
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<td><strong>Year 4, Semester 1</strong></td>
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<td>AYB120</td>
<td>Business Law</td>
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<td>MEB662</td>
<td>Fluid Power</td>
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<td>MEB776</td>
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<td>MEB777</td>
<td>Operations Management</td>
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<td>MEB873</td>
<td>Computer Integrated Manufacturing</td>
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<td>MIB305</td>
<td>Market Research</td>
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<td>EFB210</td>
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<td>MEB672</td>
<td>Total Quality Management</td>
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<td>MEB678</td>
<td>Plastics Technology</td>
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<td>MEB778</td>
<td>Concurrent Engineering</td>
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<td>MEB871</td>
<td>Computer Control of Manufacturing Systems</td>
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<td>MEB879</td>
<td>Manufacturing Resources Planning</td>
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<td>MEB901</td>
<td>Industry Project</td>
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<td>MIB210</td>
<td>Export Management</td>
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<td>MIB311</td>
<td>Services Marketing</td>
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<tr>
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<td>Design for Manufacturing 3</td>
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<td>MEB940</td>
<td>Knowledge Based Manufacturing Systems</td>
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<td>MEB983</td>
<td>Industrial Automation</td>
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<tr>
<td>MIB216</td>
<td>Marketing Decision Making</td>
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<tr>
<td>MIB315</td>
<td>Strategic Marketing</td>
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<td>BNB003</td>
<td>Professional Practice in Asia/Pacific</td>
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<td>MEB602</td>
<td>Special Topic 2</td>
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<tr>
<td>MEB661</td>
<td>Tribology</td>
<td>8</td>
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<tr>
<td>MEB743</td>
<td>Reliability &amp; Maintenance Management</td>
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</table>

**Bachelor of Surveying/Bachelor of Information Technology (IF54)**

See course requirements and notes relating to undergraduate courses in the Faculty of Built Environment and Engineering and the Faculty of Information Technology sections.

**Location:** Gardens Point

**Course Duration:** 5 years full-time

**Total Credit Points:** 540

**Standard Credit Points/Full-time Semester:** 54 (average)

**Course Coordinators:**
- **Surveying:** Mr Kevin Jones
- **Information Technology:** Mr Michael Middleton

**Professional Recognition**

This course meets the educational requirements of the Surveyors Board of Queensland for registration as a surveyor, but not for licensing, and satisfies the academic requirements for admission as a member of both the Institution of Surveyors (Australia) and the Mapping Sciences Institute, Australia. It has also been accredited by the Australian Computer Society as meeting the knowledge requirements associated with the grade of ‘Member’ of the Society.

**Special Course Requirements**

Students must obtain at least 90 days of industrial experience/practice in a surveying environment approved by the Course Coordinator.
Students must, not later than the fourth week of semester immediately following each period of industrial experience/practice, submit to the Course Coordinator a report or diary in the required format, describing the work carried out during the period of experience/practice and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from the School of Planning, Landscape Architecture, and Surveying Office or the Faculty Industrial Experience Officer in Room ITE1006, ITE Building, Gardens Point campus. Should employment exceed the minimum required, it is strongly recommended that these details also be recorded in the report or diaries and certified by the employer as a record of experience which may be used when seeking registration or licensing by the Surveyors Board.

Students should not formally enrol in industrial experience/practice.

Students are required: (a) to attend compulsory field practicals off-campus in the Moreton region, and (b) to have access to an advanced scientific calculator for use during the course.

### Full-Time Course Structure (Commencing Students 1997)

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>ITB105 Study of Information Technology</td>
<td>(2 weeks)</td>
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<tr>
<td>ITB106 Foundations of Computing</td>
<td>12</td>
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<tr>
<td>ITB225 Introduction to Databases</td>
<td>12</td>
<td>3</td>
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<tr>
<td>ITB410 Software Development 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MAB103 Introductory Engineering Mathematics</td>
<td>(8)</td>
<td>(3)</td>
</tr>
<tr>
<td>MAB187 Engineering Mathematics 1A</td>
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<tr>
<td>PSB315 Land Administration 1</td>
<td>6</td>
<td>3</td>
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<tr>
<td>PSB325 Land Surveying 1</td>
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<th>Year 1, Semester 2</th>
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<tbody>
<tr>
<td>ITB107 Programming Laboratory</td>
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<td>3</td>
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<tr>
<td>ITB412 Technology of Information Systems</td>
<td>12</td>
<td>3</td>
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<tr>
<td>ITB510 Communications Networks</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MAB188 Engineering Mathematics 1B</td>
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<tr>
<td>PSB326 Land Surveying 2</td>
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<tr>
<th>Course Structure (Continuing Students)</th>
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<th>Credit Points</th>
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<tr>
<td>ITB220 Database Design</td>
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<tr>
<td>ITB411 Software Development 2</td>
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<tr>
<td>MAB494 Survey Mathematics 1</td>
<td>6</td>
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<tr>
<td>PHB172 Physics for Surveyors</td>
<td>8</td>
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<tr>
<td>PSB327 Land Surveying 3</td>
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<tr>
<td>PSB342 Spatial Information Science 1</td>
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<tr>
<td>ESB229 Geology in the Built Environment</td>
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<td>ITB310 Information Management 1</td>
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<td>MAB496 Survey Mathematics 2</td>
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<td>PSB054 Environmental Studies</td>
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<td>PSB306 Cartography 1</td>
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<td>PSB328 Land Surveying 4</td>
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<td>PSB334 Photogrammetry 1</td>
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<tr>
<td>ITB320 Laboratory 3 (Database Applications)</td>
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<td>MAB795 Survey Mathematics 3</td>
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<td>MAB893 Engineering Mathematics 3</td>
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<td>PSB307 Cartography 2</td>
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<tr>
<td>PSB340 Remote Sensing 1</td>
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12 MAB103 Introductory Engineering Mathematics is to be taken only by those students not obtaining an HA or better in Maths B or SA in Maths C or its equivalent.
**Year 3, Semester 2**

- ITB323 Laboratory 4 (Information Support Methods) 12 3
- ITB331 Information Management 2 12 3
- PSB303 Analysis of Spatial Measurement 1 6 3
- PSB308 Cartography 3 8 3
- PSB316 Land Administration 2 8 3
- SSB937 Applied Cognitive Psychology 12 3

**Year 4, Semester 1**

- ITB222 Systems Analysis & Design 1 12 3
- PSB304 Analysis of Spatial Measurement 6 3
- PSB309 Cartography 4 8 3
- PSB329 Land Surveying 5 8 3
- PSB333 Map Projections 6 3
- PSB335 Photogrammetry 2 8 3
- PSB346 Spheroidal Computations 6 3

**Year 4, Semester 2**

- ITB341 Information Management 3 12 3
- ITB520 Data Communications 12 3
- PSB310 Geodesy 1 6 3
- PSB330 Land Surveying 6 8 3
- PSB336 Photogrammetry 3 8 3
- PSB343 Spatial Information Science 2 8 3

**Year 5, Semester 1**

- IFB880/1 Project 12 3
- ITB330 Information Issues & Values 12 3
- PSB344 Spatial Information Science 3 8 3
- Elective Unit(s) 24

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- IFB880/2 Project 12 3
- PSB317 Land Administration 3 8 3
- PSB324 Land Studies 2 6 3
- PSB338 Professional Practice 6 3
- PSB345 Spatial Information Science 4 8 3
- Elective Unit 12

**Elective Units**

General elective units of 12 credit points may be chosen from any QUT degree course, subject to prerequisite requirements and approval by the Course Coordinator. The offering of elective units in any semester depends on sufficient minimum enrolments and availability of staff.

Recommended **Business Electives** are:

**Semester 1**

- BSB110 Accounting 12 4
- BSB113 Economics 12 3
- BSB115 Management, People & Organisations 12 3
- BSB116 Marketing & International Business 12 3
- MGB207 Managing Human Resources 12 3
- MJB118 Fundamentals of Photography 12 3
- MJB200 Video Drama Production 12 6

**Semester 2**

- BSB114 Government, Business & Society 12 3
- BSB115 Management, People & Organisations 12 3
- BSB116 Marketing & International Business 12 3
- COB213 Strategic Speech Communication 12 3
- COB325 Public Relations Theory & Practice 12 3
- EFB102 Economics 2 12 3
- MGB207 Managing Human Resources 12 3
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ARTS

FACULTY OF ARTS

COURSE STRUCTURES

■ Master of Arts (Research) (AT22)

Offered in the:

Academy of the Arts: Communication Design, Dance, Drama, Music, Visual Arts

School of Humanities: Applied Ethics, Asia Pacific Studies, Crosscultural Studies, Geography, History, Literature, Political Studies

School of Media & Journalism: Creative Writing, Film & Television Production, Journalism, Media Studies

School of Social Science: Counselling, Human Services (services for the aged/youth/child & family, corrective services, disability services, multicultural services), Psychology, Sociology.

Location:
Kelvin Grove: Academy of the Arts
Carseldine: School of Humanities, School of Social Science
Gardens Point: School of Media & Journalism

Course Duration:
3 year qualified entry: 1.5 years full-time, 3 years part-time
4 year qualified entry: 1 year full-time, 2 years part-time
(NB: Entry is normally with a GPA of 5.0 or above)

Total Credit Points:
3 year qualified entry: 144
4 year qualified entry: 96

Standard Credit Points Per Full-Time Semester: 48

Course Coordinator: Associate Professor Susan Street

Discipline Coordinators:

ACADEMY OF THE ARTS
Communication Design: Assoc Prof Jeff Jones
Dance: Kristen Bell
Drama: Brad Haseman
Music: Dr Adrian Thomas
Visual Arts: John Armstrong

HUMANITIES
All disciplines: Dr Kayleen Hazlehurst

MEDIA & JOURNALISM
Creative Writing: Associate Professor Philip Neilsen
Film & Television Production: Mr Stephen Frost
Journalism: Associate Professor Len Granato
Media Studies: Dr Graham Bruce

SOCIAL SCIENCE
All disciplines: Dr Paul Harrison

Course Structure

APPROVED THREE-YEAR QUALIFICATION ENTRY
Students normally will undertake 48 credit points of coursework and a 96 credit point research project.

APPROVED FOUR-YEAR QUALIFICATION ENTRY
Students normally will not undertake coursework units. They will be required to undertake a 96 credit point research project or thesis. With approval from the relevant Postgraduate Studies Coordinator, students may enrol in 12 or 24 credit points of coursework and reduce the weighting of their research project to 84 or 72 credit points. Those undertaking 84 credit points of research will be given exemption for ATN007/1.
Those undertaking 72 credit points of research will be given exemption for ATN007/1 and ATN007/2.

**Research Component**
The research component may be undertaken

- either as a research thesis (approximately 30,000 – 50,000 words, depending on the discipline)
- or as a creative project with a written component.

It is possible to undertake:

- a significant creative work such as a theatrical or musical production
- a book-length work of fiction or non-fiction
- a film
- a multi-media script or production.

Any project likely to involve University resources must have the support of the appropriate Head of School/Academy.

**Academy of the Arts**

**THREE YEAR QUALIFIED ENTRY**

**Full-Time**

<table>
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<tr>
<th>Coursework Units</th>
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<th>Contact Hrs/Wk</th>
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<td><strong>Semester 1</strong></td>
<td></td>
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<tr>
<td>AAN003 Aesthetic Codes in Contemporary Society</td>
<td>12</td>
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Note 1: The Graduate Seminar is taken in the final semester of enrolment.
Note 2: ATN009 and ATN200 are offered in both Semester 1 and 2.
Note 3: An Elective of 12 credit points is chosen by the student, in consultation with their Principal Supervisor, from university wide offerings.

**Research Component**

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**Part-Time**

**Coursework Units**

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Note 1: The Graduate Seminar is taken in the final semester of enrolment.
Note 2: ATN009 and ATN200 are offered in both Semester 1 and 2.
Note 3: An Elective of 12 credit points is chosen by the student, in consultation with their Principal Supervisor, from university wide offerings.
Research Component

Semester 3
ATN007/1 Research Project 1 12 1
ATN007/2 Research Project 2 12 1

Semester 4
ATN007/3 Research Project 3 12 1
ATN007/4 Research Project 4 12 1

Semester 5
ATN007/5 Research Project 5 12 1
ATN007/6 Research Project 6 12 1

Semester 6
ATN007/7 Research Project 7 12 1
ATN007/8 Research Project 8 12 1

FOUR-YEAR QUALIFIED ENTRY

Full-Time

Semester 1
ATN007/1 Research Project 1 12 1
ATN007/2 Research Project 2 12 1
ATN007/3 Research Project 3 12 1
ATN007/4 Research Project 4 12 1

Semester 2
ATN007/5 Research Project 5 12 1
ATN007/6 Research Project 6 12 1
ATN007/7 Research Project 7 12 1
ATN007/8 Research Project 8 12 1

Part-Time

Semester 1
ATN007/1 Research Project 1 12 1
ATN007/2 Research Project 2 12 1

Semester 2
ATN007/3 Research Project 3 12 1
ATN007/4 Research Project 4 12 1

Semester 3
ATN007/5 Research Project 5 12 1
ATN007/6 Research Project 6 12 1

Semester 4
ATN007/7 Research Project 7 12 1
ATN007/8 Research Project 8 12 1

School of Humanities

THREE-YEAR QUALIFIED ENTRY

Full-Time

Coursework Units

Semester 1
either
ATN009 Arts Research Methods 12 3
or
HUB900 Research Contexts and Issues 12 3
plus
ATN200 Graduate Seminar 12 3
Elective 12 3
Elective 12 3

NB: Electives will be drawn either from units offered in approved Honours or coursework Masters degree programs, or from advanced undergraduate units subject to approval by the relevant Postgraduate Studies Coordinator.
Research Component

Semester 2
ATN007/1 Research Project 1
ATN007/2 Research Project 2
ATN007/3 Research Project 3
ATN007/4 Research Project 4

Semester 3
ATN007/5 Research Project 5
ATN007/6 Research Project 6
ATN007/7 Research Project 7
ATN007/8 Research Project 8

THREE-YEAR QUALIFIED ENTRY

Part-Time

Coursework Units

Semester 1
either
ATN009 Arts Research Methods
or
HUB900 Research Contexts and Issues
plus
ATN200 Graduate Seminar

Semester 2
Elective
Elective

NB: Electives will be drawn either from units offered in approved Honours or coursework Masters degree programs, or from advanced undergraduate units subject to approval by the relevant Postgraduate Studies Coordinator.

Research Component

Semester 3
ATN007/1 Research Project 1
ATN007/2 Research Project 2

Semester 4
ATN007/3 Research Project 3
ATN007/4 Research Project 4

Semester 5
ATN007/5 Research Project 5
ATN007/6 Research Project 6

Semester 6
ATN007/7 Research Project 7
ATN007/8 Research Project 8

FOUR-YEAR QUALIFIED ENTRY

Full-Time

Semester 1
ATN007/1 Research Project 1
ATN007/2 Research Project 2
ATN007/3 Research Project 3
ATN007/4 Research Project 4

Semester 2
ATN007/5 Research Project 5
ATN007/6 Research Project 6
ATN007/7 Research Project 7
ATN007/8 Research Project 8
### Part-Time

**Semester 1**
- ATN007/1 Research Project 1  
  Credit Points: 12  
  Contact Hrs/Wk: 1
- ATN007/2 Research Project 2  
  Credit Points: 12  
  Contact Hrs/Wk: 1

**Semester 2**
- ATN007/3 Research Project 3  
  Credit Points: 12  
  Contact Hrs/Wk: 1
- ATN007/4 Research Project 4  
  Credit Points: 12  
  Contact Hrs/Wk: 1

**Semester 3**
- ATN007/5 Research Project 5  
  Credit Points: 12  
  Contact Hrs/Wk: 1
- ATN007/6 Research Project 6  
  Credit Points: 12  
  Contact Hrs/Wk: 1

**Semester 4**
- ATN007/7 Research Project 7  
  Credit Points: 12  
  Contact Hrs/Wk: 1
- ATN007/8 Research Project 8  
  Credit Points: 12  
  Contact Hrs/Wk: 1

### School of Media & Journalism

**THREE-YEAR QUALIFIED ENTRY**

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ATN007/6 Research Project 6 12 1

Semester 6
ATN007/7 Research Project 7 12 1
ATN007/8 Research Project 8 12 1

FOUR-YEAR QUALIFIED ENTRY

Full-Time

Semester 1
ATN007/1 Research Project 1 12 1
ATN007/2 Research Project 2 12 1
ATN007/3 Research Project 3 12 1
ATN007/4 Research Project 4 12 1

Semester 2
ATN007/5 Research Project 5 12 1
ATN007/6 Research Project 6 12 1
ATN007/7 Research Project 7 12 1
ATN007/8 Research Project 8 12 1

Part-Time

Semester 1
ATN007/1 Research Project 1 12 1
ATN007/2 Research Project 2 12 1

Semester 2
ATN007/3 Research Project 3 12 1
ATN007/4 Research Project 4 12 1

Semester 3
ATN007/5 Research Project 5 12 1
ATN007/6 Research Project 6 12 1

Semester 4
ATN007/7 Research Project 7 12 1
ATN007/8 Research Project 8 12 1

School of Social Science

THREE-YEAR QUALIFIED ENTRY

Full-Time

Coursework Units

Semester 1
ATN009 Arts Research Methods 12 3
ATN200 Graduate Seminar 12 3
SSB440 Logic of Social Inquiry 12 3
Elective 12 3

NB: The Elective will be drawn either from units offered in approved Honours or coursework Masters degree programs, or from advanced undergraduate units subject to approval by the relevant Postgraduate Studies Coordinator.

Research Component

Semester 2
ATN007/1 Research Project 1 48 1
ATN007/2 Research Project 2 12 1
ATN007/3 Research Project 3 12 1
ATN007/4 Research Project 4 12 1
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### Part-Time Coursework Units

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### Research Component

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### Four-Year Qualified Entry

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#### Semester 2

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#### Part-Time

#### Semester 1

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#### Semester 3

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#### Semester 4

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Master of Arts (Mass Communication) by Coursework (MJ22)

With specialisations in Creative Writing, Film and Television Production, Journalism and Media Studies

Location: Gardens Point campus

Course Duration: 2 semesters full-time, 4 semesters part-time

Total Credit Points: 96

Standard Credit Points/Full-time Semester: 48

Course Coordinator: Dr Graham Bruce

Entry Requirements

To be eligible for admission, an applicant must hold the following:

(i) four year qualifications (either an honours degree or a three year degree plus a relevant graduate diploma) with a grade point average of 5.0 or better, or

(ii) a three year degree (in a cognate discipline to the field for which entry is sought) plus significant work experience.

Note: “significant work experience” normally would be interpreted as two or more years of experience in a position related to the field for which entry is sought. It will also be measured by such criteria as appropriate film or video credits, journalism credits, published creative works or published papers relating to media studies.

Course Structure

CREATIVE WRITING

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</tbody>
</table>

**Mid-Year Intake**

**Year 1, July Semester**

| MJP102 Media Policy Environment | 12 | 3 |
| MJP350 Creative Writing & Publishing | 12 | 3 |
| Elective                         | 12 | 3 |

Select one of the following units:

| MJP111 Media Writing | 12 | 3 |
| MJP250 Language and Literature | 12 | 3 |

**Year 1, February Semester**

| MJP229 Film and Television Scriptwriting | 12 | 3 |
| MJP103 Creative Writing Theory          | 12 | 3 |
| MJP224 Feature Writing                  | 12 | 3 |

Select one of the following units:

| MJP101 Media Theory | 12 | 3 |
| MJP105 Theories of Journalism | 12 | 3 |

1 Subject to final approval.
Part-Time Course Structure

**Year 1, Semester 1**
MJP350  Creative Writing and Publishing  12  3
Select one of the following units:
MJP101  Media Theory  12  3
MJP105  Theories of Journalism  12  3

**Year 1, Semester 2**
MJP229  Film and Television Scriptwriting  12  3
Select one of the following units:
MJP111  Media Writing  12  3
MJP250  Language and Literature  12  3

**Year 2, Semester 1**
MJP103  Creative Writing Theory  12  3
MJP224  Feature Writing  12  3

**Year 2, Semester 2**
MJP102  Media Policy Environment  12  3
Elective  12  3

Mid-Year Intake
As above, beginning in Year 1, July.

**FILM AND TELEVISION PRODUCTION**

**Full-Time Course Structure**

<table>
<thead>
<tr>
<th></th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
<td></td>
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</tr>
<tr>
<td>MJP155  Media Production</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJP111  Media Writing</td>
<td>12</td>
<td>3</td>
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<tr>
<td>OR</td>
<td></td>
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</tr>
<tr>
<td>MJP147  Film &amp; TV Genres</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJP103  Creative Writing Theory</td>
<td>12</td>
<td>3</td>
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<tr>
<td>Select one of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MJP101  Media Theory</td>
<td>12</td>
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<tr>
<td>MJP105  Theories of Journalism</td>
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<td>3</td>
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<tr>
<td><strong>Year 1, Semester 2</strong></td>
<td></td>
<td></td>
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<tr>
<td>MJP102  Media Policy Environment</td>
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<td>3</td>
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<tr>
<td>Elective</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJP229  Film and Television Scriptwriting</td>
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<td>3</td>
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<tr>
<td>MJP185  Informational Production</td>
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<td>3</td>
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<td><strong>Mid-Year Intake</strong></td>
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<td><strong>Year 1, July Semester</strong></td>
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<td>MJP102  Media Policy Environment</td>
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<td>MJP155  Media Production</td>
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<tr>
<td>MJP111  Media Writing</td>
<td>12</td>
<td>3</td>
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<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MJP147  Film &amp; TV Genres</td>
<td>12</td>
<td>3</td>
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<td><strong>Year 1, February Semester</strong></td>
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<td></td>
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<tr>
<td>MJP103  Creative Writing Theory</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MJP185  Informational Production</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MJP229  Film and Television Scriptwriting</td>
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<td>3</td>
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<tr>
<td>Select one of the following units:</td>
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<td></td>
</tr>
<tr>
<td>MJP101  Media Theory</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJP105  Theories of Journalism</td>
<td>12</td>
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</table>

**Part-Time Course Structure**

**Year 1, Semester 1**
MJP111  Media Writing  12  3
OR                        |               |                |
MJP147  Film & TV Genres  | 12            | 3              |
Select one of the following units:
MJP101 Media Theory 12 3
MJP103 Creative Writing Theory 12 3
MJP105 Theories of Journalism 12 3

Year 1, Semester 2
MJP102 Media Policy Environment 12 3
MJP155 Media Production 12 3

Year 2, Semester 1
Select one of the following units:
MJP101 Media Theory 12 3
MJP103 Creative Writing Theory 12 3
MJP105 Theories of Journalism 12 3

Year 2, Semester 2
MJP229 Film and Television scriptwriting 12 3
MJP185 Informational Production 12 3

Mid-Year Intake
As above, beginning in Year 1, July.

JOURNALISM

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>MJP105 Theories of Journalism</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MJP224 Feature Writing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJP109 Computer-Assisted Reporting</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MJP103 Creative Writing Theory</td>
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<tr>
<td>MJP303 News Production</td>
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<td>Elective</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MJP337 Public Affairs Reporting</td>
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<td>MJP102 Media Policy Environment</td>
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Mid-Year Intake
None.

Part-Time Course Structure

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<th>Year 1, Semester 1</th>
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<tbody>
<tr>
<td>MJP105 Theories of Journalism</td>
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<td>3</td>
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<td>MJP224 Feature Writing</td>
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<th>Contact Hrs/Wk</th>
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<td>3</td>
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<tr>
<td>Elective</td>
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<table>
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<tr>
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<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tr>
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<td>3</td>
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<tr>
<td>MJP103 Creative Writing Theory</td>
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<th>Year 2, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<td>MJP337 Public Affairs Reporting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJP102 Media Policy Environment</td>
<td>12</td>
<td>3</td>
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</tbody>
</table>

Mid-Year Intake
As above, beginning in Year 1, July.

MEDIA STUDIES

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>MJP101 Media Theory</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJP233 Television Cultures</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>
Select one of the following units:
MJP310   Asian and Latin American Cinema 12 3
MJP307   Feminist Media Studies 12 3

Select one of the following units:
MJP105   Theories of Journalism 12 3
MJP103   Creative Writing Theory 12 3

**Year 1, Semester 2**
MJP336   New Media Technologies 12 3
MJP102   Media Policy Environment 12 3
Elective 12 3

Select one of the following units:
MJP209   Australian Television 12 3
MJP343   Australian Film 12 3

**Mid-Year Intake**
As above, beginning in July.

**Part-Time Course Structure**

**Year 1, Semester 1**
MJP101   Media Theory 12 3
MJP233   Television Cultures 12 3

**Year 1, Semester 2**
MJP336   New Media Technologies 12 3
MJP102   Media Policy Environment 12 3

**Year 2, Semester 1**
Select one of the following units:
MJP310   Asian and Latin American Cinema 12 3
MJP307   Feminist Media Studies 12 3

Select one of the following units:
MJP105   Theories of Journalism 12 3
MJP103   Creative Writing Theory 12 3

**Year 2, Semester 2**
Elective 12 3

Select one of the following units:
MJP209   Australian Television 12 3
MJP343   Australian Film 12 3

**Mid-Year Intake**
As above, beginning in Year 1, July.

**Master of Fine Arts (AA24)**
With majors in Dance, Drama, Music and Visual Arts

**Location:** Kelvin Grove Campus

**Course Duration:** 1.5 years full-time or 3 years part-time

**Total Credit Points:** 144

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Mr Brad Haseman

**Discipline Coordinators:**
*Dance:* Ms Kristen Bell
*Drama:* Ms Brad Haseman
*Music:* Dr Adrian Thomas
*Visual Arts:* Mr John Armstrong
Entry Requirements
To be eligible for admission, applicants must hold an appropriate Bachelor degree (or equivalent, which may include substantial work experience) at a standard considered acceptable by the Discipline Coordinator. This would normally constitute a grade point average of 5 or higher on a seven-point scale across undergraduate studies undertaken.

All applicants are required to attend an interview with the relevant Discipline Coordinator. In addition, Visual Arts applicants are required to submit a folio.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAN003 Aesthetic Codes in Contemporary Society</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAN011 Advanced Professional Practice 1</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Elective Unit from List A</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

| Semester 2 | | |
|------------|| |
| AAN004 Graduate Seminar | 12 |  |
| AAN012 Advanced Professional Practice 2 | 12 |  |
| Elective Units | 24 |  |

| Semester 3 | | |
|------------|| |
| ATN004 Research Project – 4 units | 48 |  |

Research Project

The MFA Research Project in Dance, Drama, Music or Visual Arts will be undertaken as a 48 credit point project. Full-time students will enrol in ATN004 Research Project – 4 units (48 credit points). Part-time students proceed through the project by enrolling each semester in either of the repeatable units ATN001 Research Project – 1 unit (12 credit points) or ATN002 Research Project – 2 units (24 credit points).

Elective Units

List A

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>AAB005 Readings in Visual Arts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAB006 Feminist Studies in the Arts</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAN001 Arts Research Methods 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAN014 Discipline Study</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AAN015 The Arts Environment</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAN016 Frameworks for Performance</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAN200 Dramaturgy</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAN202 Textual Analysis</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

■ Master of Social Science (Counselling) (SS12)

Location: Carseldine campus

Course Duration: 3 years part-time

Total Credit Points: 144

Standard Credit Points/Part-Time Semester: 24

Course Coordinator: Mr Glen Guy

Entry Requirements

To be eligible for admission, an applicant must have:
(i) an approved degree in a human service or related area
(ii) at least two years’ work experience
(iii) access to ongoing counselling related work with clients
(iv) personal suitability.

Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSN000 Counselling Studies 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SSN001 Professional Studies 1</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>
Year 1, Semester 2
SSN002  Counselling Studies 2 12 3
SSN003  Group Studies 12 3

Year 2, Semester 1
SSN004  Counselling Studies 3 12 3
SSN005  Research Methods & Issues 12 3

Year 2, Semester 2
SSN006  Professional Studies 2 12 3
One elective selected from:
SSN009  Family Therapy Practice 12 3
SSN010  Career Counselling 12 3
SSN011  Independent Study 12
SSN012  Counselling & Organisations 12 3
SSN013  Advanced Counselling Studies 12 3

Year 3, Semester 1
SSN007  Professional Studies 3 12 3
SSN008/1  Project 12 3 (equiv.)

Year 3, Semester 2
SSN008/2  Project 24 6 (equiv.)

Graduate Diploma of Arts (MJ23)
With majors in: Film and Television Production, Journalism

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time. The part-time mode of this course may not necessarily be available by evening study.

Total Credit Points: 96

Standard Credit Points/Part-Time Semester: 24

Course Coordinator: Associate Professor Philip Neilsen

Course Requirements
Applicants must have a degree or diploma from a recognised tertiary institution, with the proviso that diploma graduates may be required to undertake additional work at the discretion of the Course Coordinator.

A limited number of special entry places will be available to practitioners in the relevant professions who, while possessing no formal degree, can demonstrate and document significant experiential grasp of their professions. These candidates will be senior members of their profession.

An applicant who does not meet the requirements for normal entry may present documentary evidence of qualifications, experience and other relevant information for special consideration.

QUT Film & Television Production, Journalism and Media Studies graduates, if they enrol in the Graduate Diploma course, must select a major different from their undergraduate major.

Except in exceptional circumstances and with the approval of the Dean of the Faculty, a part-time student may not enrol for more than two units in any one semester. Prerequisites for all units with MJB codes may be waived for students in the Graduate Diploma in Arts at the discretion of the Course Coordinator.

FILM AND TELEVISION PRODUCTION

Full-Time Course Structure

Year 1, Semester 1
MJB155  Media Production 12 4
MJB229  Film & Television Scriptwriting 12 3

Select one of the following units:
MJP101  Media Theory 12 3
MJP103  Creative Writing Theory 12 3
MJP105  Theories of Journalism 12 3
Select one of the following units:
MJB111 Media Writing 12 3
MJB147 Film & Television Genres 12 3

**Year 1, Semester 2**
MJB185 Informational Production 12 3
MJP102 Media Policy Environment 12 3
Elective 12
Elective 12

**Part-Time Course Structure**

**Year 1, Semester 1**
Select one of the following units:
MJB111 Media Writing 12 3
MJB147 Film and Television Genres 12 3
Select one of the following units:
MJP101 Media Theory 12 3
MJP103 Creative Writing Theory 12 3
MJP105 Theories of Journalism 12 3

**Year 1, Semester 2**
MJB155 Media Production 12 3
MJP102 Media Policy Environment 12 3

**Year 2, Semester 1**
Elective 12
MJB229 Film and Television Scriptwriting 12 3

**Year 2, Semester 2**
MJB185 Informational Production 12 3
Elective 12 3

**JOURNALISM**
(no full-time program)

**Part-Time Course Structure**

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
</table>

**Year 1, Semester 1**
MJB120 Newswriting 12 3
MJB101 Journalism Information Systems 12 3

**Year 1, Semester 2**
MJB121 Journalistic Inquiry 12 3
Elective 12 3

**Year 2, Semester 1**
MJP105 Theories of Journalism 12 3
MJB224 Feature Writing 12 3

**Year 2, Semester 2**
MJP102 Media Policy Environment 12 3
Elective 12 3

■ Graduate Certificate in Arts (Creative Writing) (AT24)

**Location:** Gardens Point campus

**Course Duration:** 1 year part-time

**Total Credit Points:** 48

**Standard Credit Points/Part-Time Semester:** 24

**Course Coordinator:** Associate Professor Philip Neilsen

**Course Requirements**
Applicants will normally have a Bachelor degree in any field, although other evidence that a candidate could cope adequately with postgraduate study (for example, employment at a relatively senior level, relevant industry experience) will be looked on favourably.
The following two units must be completed as part of the Certificate: MJB350 and MJP103.

**Course Structure**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td><strong>Semester 1</strong></td>
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<tr>
<td>MJB350</td>
<td>Creative Writing &amp; Publishing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJP103</td>
<td>Creative Writing Theory</td>
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<td>3</td>
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<tr>
<td><strong>Semester 2</strong></td>
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<tr>
<td>Select two of the following three units:</td>
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<td></td>
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<tr>
<td>MJB229</td>
<td>Film &amp; Television Scriptwriting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJB111</td>
<td>Media Writing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MJB250</td>
<td>Language &amp; Literature</td>
<td>12</td>
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</tbody>
</table>

Mid year intake is possible. For further information consult the Course Coordinator.

- **Course Requirements Relating to Undergraduate Degrees**

All Faculty of Arts Bachelor degree courses will contain Faculty core units as part of their requirements. Commencing students will be required to complete four Faculty core units. Particular degrees may designate up to two units and the remaining two units will be student choice. For 1997, the approved Faculty core units are as follows:

- ATB100  Texts & Meanings
- AAB051  Arts in Society
- HUB600  Australian Society & Culture
- MJB140  Media & Society
- SSB002  Introduction to Human Rights
- SSB003  Introduction to Psychology

Students should consult the specific requirements of their particular course/strand to see which core units are designated and in which semesters core units are located.

- **Bachelor of Arts (Honours) (Dance/Drama/Visual Arts) (AA40)**

With majors in Dance, Drama, Visual Arts

**Location:** Kelvin Grove campus

**Course Duration:** 1 year full-time

**Total Credit Points:** 96

**Discipline Coordinators:**
- Dance: Ms Kristen Bell
- Drama: Dr Paul Makeham
- Visual Arts: Dr Andrew McNamara

**Course Structure**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td><strong>Semester 1</strong></td>
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<tr>
<td>AAB001/1</td>
<td>Research Project</td>
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<td>AAB004</td>
<td>Contemporary Aesthetic Debates</td>
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<td>Select from List A</td>
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<td></td>
<td>Elective</td>
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<tr>
<td><strong>Semester 2</strong></td>
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<td></td>
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<tr>
<td>AAB002</td>
<td>Graduate Seminar</td>
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<tr>
<td>AAB001/2</td>
<td>Research Project</td>
<td>24</td>
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</table>

**List A**

- AAB005  Readings in Visual Arts
- AAB006  Feminist Studies in the Arts
- AAN200  Dramaturgy
- AAN202  Textual Analysis
Bachelor of Arts (Honours) (Film & Television Production/Journalism/Media Studies) (MJ21)

With majors in Film and Television Production, Journalism and Media Studies

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full Time Semester: 48

Course Coordinator: Dr Graham Bruce

Course Requirements

Applicants must have:

- completed a Bachelor of Arts degree in the relevant discipline area from QUT or a similar degree from QUT or another university, and must have achieved a level of attainment considered by the Faculty Academic Board to be acceptable for the purposes of proceeding to an Honours degree (normally a GPA of 5 on a seven-point scale).

- Alternatively, candidates who produce evidence of other qualifications and/or experience which is considered by the Faculty Academic Board on advice of the Course Coordinator to qualify the candidate for admission, may be accepted.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>MJP101 Media Theory</td>
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<td>MJP107/1 Dissertation</td>
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<td>MJP105 Theories of Journalism</td>
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<td>3</td>
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<td>ATN009 Arts Research Methods</td>
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<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<td>MJP102 Media Policy Environment</td>
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<td>MJP107/2 Dissertation</td>
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<td>MJP107/3 Dissertation</td>
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<tr>
<td>MJP107/4 Dissertation</td>
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</table>

### Part-Time Course Structure

**Year 1, Semester 1**

ATN009 Arts Research Methods

Select one of the following units:

- MJP101 Media Theory
- MJP105 Theories of Journalism

**Year 1, Semester 2**

MJP102 Media Policy Environment

MJP107/1 Dissertation

**Year 2, Semester 1**

MJP107/2 Dissertation

Select one of the following units:

- MJP101 Media Theory
- MJP105 Theories of Journalism

**Year 2, Semester 2**

MJP107/3 Dissertation

MJP107/4 Dissertation

---

Bachelor of Arts (Honours) (Humanities) (HU21)

Location: Carseldine campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96
Standard Credit points/Full-Time Semester: 48

Course Coordinator: Associate Professor Gary Ianziti

Entry Requirements

For detailed regulations relating to Honours programs see the University-wide and Interfaculty Courses section of this Handbook.

Students seeking admission to the BA honours program will normally apply within the final year of their pass degree. However, in accordance with QUT policy, students will be considered for admission within up to 18 months of completing that degree. As part of their application for admission, students will indicate an area of specialisation chosen from a regularly updated list to be provided by the School.

In order to be considered eligible for admission, students will have compiled a grade point average of at least 5.0 over the entire basic course. Students who have demonstrated outstanding performance in the final year of the degree only, or whose application is based on other factors including work experience and involvement in research, may be admitted at the discretion of the Head of School.

Upon admission to the program, students will be assigned to an appropriately qualified dissertation supervisor.

Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>HUB900</td>
<td>Research Contexts &amp; Issues</td>
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<tr>
<td>HUB901</td>
<td>Literature Review</td>
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<tr>
<td>HUB902</td>
<td>Honours Dissertation I</td>
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<td>Elective to be chosen from a list available from the Honours Coordinator, including:</td>
<td></td>
<td></td>
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<tr>
<td>HUB624</td>
<td>Advanced Seminar in Asia Pacific Studies</td>
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<tr>
<td>HUB631</td>
<td>Seminar in Japanese Issues (Advanced Seminar)</td>
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<td>HUB649</td>
<td>History Writing in Modern Europe (Advanced Seminar)</td>
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<td>HUB714</td>
<td>Aboriginal Communities in Crisis &amp; Recovery (Advanced Seminar)</td>
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<td>HUB728</td>
<td>Popular Literature (Advanced Seminar)</td>
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<td>HUB756</td>
<td>Seminar in Ethics &amp; Public Philosophy (Advanced Seminar)</td>
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<td>HUB903</td>
<td>Honours Dissertation II</td>
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<tr>
<td>HUB904</td>
<td>Honours Seminar</td>
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Part-time students may take units in an alternative sequence approved by the Course Coordinator.

Note: Language Students

1. Language students will, where appropriate, do extensive work in HUB901, and HUB902 and HUB903 in the target language. Where feasible, the Honours dissertation will be written in the target language.

2. Language students may, if they so wish, exercise an option to substitute HUB906 overseas study for HUB900 and for their first semester elective. Students who elect this option must make arrangements with their supervisor for completing HUB901 and HUB902 in the distance mode.

Course Rules

The requirements for graduating are satisfactory or better performance in all prescribed units. In a normal course of study, HUB900, HUB901, the elective, and HUB904 would each count for 10 per cent of the final mark. The Honours dissertation will count for 60 per cent of the final mark. It will be marked by two assessors, one of whom will normally be external to the School.

■ Bachelor of Social Science (Honours) (Psychology) (SS09)

Location: Carseldine campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points Full-Time Semester: 48

Course Coordinator: Dr Sandy Smith
Entry to Honours and Postgraduate Programs

To be eligible for entry into the Bachelor of Social Science (Honours) Psychology program, applicants must have completed an undergraduate degree majoring in Psychology through a degree program recognised for accreditation purposes by the Australian Psychological Society. Specifically, entry into the Honours program can be gained after completion to the required standard of one of the following:

(i) Bachelor of Social Science (Psychology)
(ii) other approved courses in Psychology accredited by the Australian Psychological Society.

For internal applicants, the base level requirements for consideration for inclusion in the Honours program will be:

☐ a minimum Grade Point Average of 5.0 in the overall undergraduate degree program

☐ a minimum overall Grade Point Average of 5.0 in nine prescribed second and third year Psychology subjects or their equivalent, specifically:

SSB913 Developmental Psychology
SSB915 Social Psychology
SSB931 Human Learning & Motivation
SSB933 Cognitive Psychology
SSB934 Physiological Psychology
SSB936 Personality and Psychopathology
SSB941 Psychological Assessment
SSB950 Research Design & Data Analysis
SSB951 Advanced Statistical Analysis

☐ Completion of SSB951 Advanced Statistical Analysis.

For external applicants, similar requirements will be expected. In addition, external applicants will be required to complete a detailed questionnaire outlining their reasons for wishing to undertake the Honours program. They will also be required to provide certified copies of complete academic transcripts.

Both internal and external applicants who reach the minimum criteria as outlined above may be required to undertake further selection process, e.g. individual and/or group processes deemed suitable.

Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>SSB990/1 Research Thesis Part 1</td>
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<tr>
<td>SSB991 Advanced Research Methods</td>
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<tr>
<td>Two units from these Advanced Psychology options:</td>
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<tr>
<td>SSB992 Counselling Psychology</td>
<td>12</td>
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<td>SSB993 Cognitive Neuropsychology</td>
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<tr>
<td>SSB994 Advanced Social &amp; Developmental Psychology</td>
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<td>SSB995 Advanced Organisational Psychology</td>
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<td>SSB997 Research &amp; Professional Development Seminar</td>
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Bachelor of Social Science (Honours) (Sociology) (SS13)

Location: Carseldine campus
Course Duration: 1 year full-time, 2 years part-time
Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Dr Paul Harrison

Entry Requirements

Minimum requirement for entry:
☐ a GPA of 5.0 over all undergraduate units
☐ completion of a major in Sociology equivalent to 8 units out of 16 at second and third year level.

Normally:

☐ students will have the QUT Sociology extended major of 10 units out of 16 at second and third year level
☐ students will apply within the final year of their pass degree.

Course structure
Subject to final approval, a new Honours (Sociology) program will be offered in 1997. Course details below may be subject to change.

The Honours course will contain a mix of advanced theory, research training and a research project leading to a thesis. Coursework provides both for disciplinary specialisation, and an inter-disciplinary elective option selected in consultation with the Course Coordinator. The research colloquium will foster oral communication skills relevant to conference presentations.

The Approved Elective allows students to choose an advanced elective relevant to sociology from within any area of study approved by the Course Coordinator.

<table>
<thead>
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<th>Full-Time Course Structure</th>
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<td>SSB448/2 Research Thesis 2</td>
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<td>SSB442 Advanced Seminar in Sociological Research</td>
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<td>SSB442 Advanced Seminar in Sociological Research</td>
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<tr>
<th>Bachelor of Arts (Communication Design) (AA81)</th>
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<tr>
<td>Location: Kelvin Grove campus</td>
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<td>Course Duration: 3 years full-time</td>
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<th>Course Structure</th>
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<tr>
<td>AAB051 Arts in Society (Faculty core unit)</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AAB801 Foundations of Communication Design 1</td>
<td>12</td>
<td>3</td>
<td>12</td>
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<tr>
<td>AAB807 Media Technology 1</td>
<td>12</td>
<td>3</td>
<td>12</td>
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<tr>
<td>AAB814 Applications of Design Technology</td>
<td>12</td>
<td>3</td>
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### Year 1, Semester 2
- ATB100 Texts & Meanings (Faculty core unit) 12 3
- AAB802 Foundations of Communication Design 2 12 3
- AAB808 Media Technology 2 12 3
- Faculty core unit (choice) 12 3

### Year 2, Semester 1
- Faculty core unit (choice) 12 3
- AAB626 Music & Sound for Multimedia 12 3
- AAB803 Design Studio 1 12 3
- AAB809 Media Technology 3 12 3

### Year 2, Semester 2
- AAB804 Design Studio 2 12 3
- AAB810 Media Technology 4 12 3
- SSB937 Applied Cognitive Psychology 12 3
- Elective 12

### Year 3, Semester 1
- AAB055/1 Professional Practice 6
- AAB805 Design Studio 3 12 3
- AAB813/1 Contemporary Issues in Media Technology & Communication Design 6 3
- Electives 24

### Year 3, Semester 2
- AAB055/2 Professional Practice 6
- AAB806 Design Studio 4 12 3
- AAB813/2 Contemporary Issues in Media Technology & Communication Design 6 3
- Electives 24

### Communication Design Electives
- AAB815 Experimental Multimedia 12 3
- AAB816 Interactive Writing 12 3
- AAB817 Software Development and Project Management 12 3

---

**Bachelor of Arts (Film & Television Production/Journalism/Media Studies) (MJ20)**

**Location:** Gardens Point campus  
**Course Duration:** 3 years full-time  
**Total Credit Points:** 288  
**Standard Credit Points/Full-Time Semester:** 48  
**Course Coordinator:** Associate Professor Philip Neilsen  
**Subject Area Coordinators:**  
*Film and Television Production Major:* Mr Stephen Frost  
*Journalism Major:* Associate Professor Len Granato  
*Media Studies Major:* Dr Graham Bruce  

**Transitional Arrangements for Continuing Students**  
Continuing students (who commenced studies prior to 1996) in the degrees Bachelor of Business, Film and Television Production and Bachelor of Business, Journalism are free to continue their studies as per the courses in the 1995 Handbook. Where unit names have changed, some substitution may be necessary. Please contact your Subject Area Coordinator, Mr Stephen Frost or Associate Professor Len Granato.

**Course Requirements**  
Students must complete a Faculty core of four units, a School core of four units and one of the major study strands offered by the School of Media and Journalism. They may choose to complete a second major study sequence, one or more minor study sequences, or a range of elective units. Students may complete up to 72 (and in some cases up to 96) credit points from the offerings of other Schools/Faculties as part of their degree.
## FILM AND TELEVISION PRODUCTION MAJOR (FTV)

<table>
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<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>MJB140 Media &amp; Society (Faculty Core Unit)</td>
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<td>MJB155 Media Production (School Core Unit)</td>
<td>12</td>
<td>4</td>
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<td>MJB111 Media Writing (School Core Unit)</td>
<td>12</td>
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<tr>
<td>ATB100 Text &amp; Meanings (Faculty Core Unit)</td>
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<tr>
<td>MJB229 Film &amp; Television Scriptwriting</td>
<td>12</td>
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<tr>
<td>MJB185 Informational Production</td>
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<tr>
<td>Faculty Core Unit – Student Choice</td>
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<td>MJB190 Creative Production</td>
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<td>Elective</td>
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<td>MJB265 Corporate Production</td>
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<tr>
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<td>MJB360 Documentary Production</td>
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<tr>
<td>MJB270 Drama Production</td>
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### Faculty Core:
- MJB140 Media and Society
- ATB100 Texts and Meanings
- Plus two of:
  - AAB051 Arts in Society
  - HUB600 Australian Society and Culture
  - SSB002 Introduction to Human Rights
  - SSB003 Introduction to Psychology

### School Core:
- MJB155 Media Production
- MJB111 Media Writing
- Plus two of:
  - MJB250 Language and Literature
  - MJB204 Media Industries and Issues
  - MJB336 New Media Technologies
  - MJB120 Newswriting

## JOURNALISM MAJOR (JOU)

### Professional Recognition
This degree is recognised by the Media Entertainment and Arts Alliance.

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
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<tr>
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<td>MJB101 Journalism Information Systems</td>
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<td>MJB120 Newswriting (School Core Unit)</td>
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<td>MJB121 Journalistic Inquiry</td>
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<td>MJB180 Speech Communication for Journalists</td>
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<tbody>
<tr>
<td>MJB155 Media Production (School Core Unit)</td>
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<td>MJB239 Journalism Ethics &amp; Issues</td>
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<td>MJB224 Feature Writing</td>
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<td>MJB232</td>
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<td>MJB250</td>
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### Year 3, Semester 1

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<td>Sub-editing &amp; Layout</td>
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<td>MJB338</td>
<td>Radio &amp; Television Journalism II</td>
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### Year 3, Semester 2

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<tr>
<td>MJB337</td>
<td>Public Affairs Reporting</td>
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<td>HUB600</td>
<td>Australian Society and Culture</td>
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<td></td>
<td>Plus two of:</td>
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<tr>
<td>SSB002</td>
<td>Introduction to Human Rights</td>
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<td>AAB051</td>
<td>Arts in Society</td>
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<td>Texts and Meanings</td>
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<td>Media Production</td>
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<td></td>
</tr>
<tr>
<td>MJB250</td>
<td>Language and Literature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MJB336</td>
<td>New Media Technologies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MJB120</td>
<td>Newswriting</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### MEDIA STUDIES MAJOR (MES)

#### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1, Semester 1</td>
<td>MJB130</td>
<td>Media Text Analysis</td>
<td>12</td>
<td>3</td>
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<tr>
<td></td>
<td>MJB141</td>
<td>Film &amp; Television Language</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Faculty Core Unit</td>
<td>12</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Faculty Core Unit</td>
<td>12</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

| Year 1, Semester 2 | MJB147 | Film & Television Genres                        | 12            | 3              |
|                   | MJB111 | Media Writing (School Core Unit)                | 12            | 3              |
| OR                | MJB155 | Media Production (School Core Unit)             | 12            | 4              |
|                   | Faculty Core Unit                                | 12            | 3              |
|                   | Faculty Core Unit                                | 12            | 3              |

| Year 2, Semester 1 | MJB233 | Television Cultures                             | 12            | 3              |
|                   | MJB120 | Newswriting (School Core Unit)                  | 12            | 3              |
|                   | Elective|                                                | 12            |                |
|                   | Elective|                                                | 12            |                |

| Year 2, Semester 2 | MJB209 | Australian Television                           | 12            | 3              |
|                   | MJB204 | Media Industries & Issues (School Core Unit)    | 12            | 3              |
|                   | Elective|                                               | 12            |                |
|                   | Elective|                                               | 12            |                |

| Year 3, Semester 1 | MJB343 | Australian Film                                 | 12            | 3              |
|                   | MJB305 | American Film & Society                         | 12            | 3              |
| OR                | MJB310 | Asian & Latin American Cinema                    | 12            | 3              |
| OR                | MJB344 | European Cinema                                  | 12            | 3              |
|                   | Elective|                                               | 12            |                |
|                   | Elective|                                               | 12            |                |
**Year 3, Semester 2**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>MJB336</td>
<td>New Media Technologies (School Core Unit)</td>
<td>12</td>
</tr>
<tr>
<td>MJB307</td>
<td>Feminist Media Studies</td>
<td>12</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MJB346</td>
<td>Australian Documentary: Film &amp; Television</td>
<td>12</td>
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<tr>
<td></td>
<td>Elective</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td>12</td>
</tr>
</tbody>
</table>

**Faculty Core:**

- MJB140 Media and Society
- HUB600 Australian Society and Culture
- Plus two of:
  - AAB051 Arts in Society
  - SSB002 Introduction to Human Rights
  - SSB003 Introduction to Psychology

**School Core:**

- MJB111 Media Writing
- OR
  - MJB115 Media Production
  - MJB120 Newswriting
  - MJB204 Media Industries and Issues
  - MJB336 New Media Technologies

**Minor**

A minor in Creative Writing is available by completing four units as follows:

- MJB350 Creative Writing & Publishing
- Plus three of the following:
  - MJB229 Film & Television Scriptwriting
  - MJB224 Feature Writing
  - MJB111 Media Writing
  - MJB250 Language & Literature
  - MJB127 Film Narrative

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**Bachelor of Arts (Humanities) (HU20)**

For information on how to complete your Enrolment Form, read the 1997 Enrolment Guide.

**Location:** Carseldine Campus

**Course Duration:** 3 year full-time; 6 years part-time

**Total Credit Points:** 288

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Dr Joe Grixti

**Course Requirements**

Students must complete:

- the first year requirements,
- four Faculty Core Units (one per semester over the first two years of study), and
- one major study sequence offered by the School of Humanities.

Students may choose to complete a second major study sequence, one or more minor study sequences, or a range of elective units.

*A major study sequence is made up of 96 credit points, of which at least 72 credit points must be at 2nd and/or 3rd year level.*

*A minor study sequence is made up of 48 credit points.*

Students may complete up to 96 credit points offered by other Schools/Faculties as part of their degree. Students who enter the course with advanced standing should discuss their enrolment with the Course Coordinator.

**Note:** Students entering the course mid-year should first enrol in the program listed for Year 1, Semester 2, and then complete the Year 1, Semester 1 program in Semester 1 of the following year.

**Course Structure**

**Year 1**

During their first year, students must enrol in eight Humanities units as follows:

1. Two Faculty Core Units offered by Humanities (one per semester)
2. Six first year units (three per semester).
### Year 1, Semester 1

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ATB100</strong></td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB601</strong> Texts and Meanings (Faculty Core Unit)</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB610</strong> Human Identity and Change (elective in Applied Ethics Major)</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB680</strong> Approaches to Asia/Pacific Studies (compulsory for the major in Asia Pacific Studies)</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB720</strong> The Classical World (elective in European Studies major)</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB750</strong> Approaches to Australian Studies (compulsory for the major in Australian studies)</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB620</strong> The Pacific Since 1945 (elective in Asia Pacific Studies major)</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB710</strong> Australian Literary Studies (elective in Australian studies major)</td>
<td>12</td>
</tr>
</tbody>
</table>

**LOTE Units**

Students wishing to study a language other than English should select one or two of the following:

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HUB650</strong> Indonesian 1</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB660</strong> Japanese 1</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB662</strong> Japanese 3 (for students who have completed Year 12 Japanese or equivalent)</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB670</strong> French 1</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB672</strong> French 3 (for students who have completed Year 12 French or equivalent)</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB735</strong> German 1</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB737</strong> German 3 (for students who have completed Year 12 German or equivalent)</td>
<td>12</td>
</tr>
</tbody>
</table>

### Year 1, Semester 2

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HUB600</strong> Australian Society and Culture (Faculty Core Unit)</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB720</strong> Approaches to European studies (compulsory for the major in European Studies)</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB750</strong> Understanding Ethics (compulsory for the major in Applied Ethics)</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB694</strong> Australian Politics (elective in the Australian Studies major and compulsory for Political Studies minor)</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB626</strong> Contemporary Southeast Asia (elective in the Asia/Pacific Studies major)</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB724</strong> Nineteenth Century English Literature and Culture (elective in the European Studies major)</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB760</strong> Approaches to Feminist Studies (compulsory for minor in Feminist Studies)</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB772</strong> Introduction to Politics: Political Ideologies (elective in Political Studies Minor and in Applied Ethics major)</td>
<td>12</td>
</tr>
</tbody>
</table>

**LOTE Units**

Students wishing to study a language other than English should select one or two of the following:

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HUB651</strong> Indonesian 2</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB661</strong> Japanese 2</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB663</strong> Japanese 4 (for students who have completed Year 12 Japanese)</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB671</strong> French 2</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB673</strong> French 4 (for students who have completed Year 12 French)</td>
<td>12</td>
</tr>
<tr>
<td><strong>HUB736</strong> German 2</td>
<td>12</td>
</tr>
</tbody>
</table>

2 Students will not be allowed to enrol in more than one LOTE unit at the introductory level.
**Years 2 and 3**

Students must enrol in two further Faculty Core Units from the following list. These should be completed during second year (one per semester):

- AAB051 Art in Society
- MJB140 The Media and Society
- SSB002 Introduction to Human Rights
- SSB003 Introduction to Psychology

In addition, students must complete a minimum of 72 credit points of advanced elective units in their chosen Major Study sequence. Up to two of these advanced level units may be from approved offerings of other Schools/Faculties.

Students may then choose to complete a second major study sequence, one or more minor study sequences, or a range of elective units.

**NB:** Not all units are offered in every semester. Students should consult the timetable to verify offerings for a particular semester.

**MAJOR STUDY SEQUENCES**

**APPLIED ETHICS**

**Introductory (Compulsory)**

- HUB750 Understanding Ethics

**Advanced (Elective Units)**

- HUB751 Public & Professional Ethics
- HUB752 The Just Society
- HUB753 Ethical Decision-Making
- HUB754 Feminism & Ethics
- HUB755 Vulnerable Identities
- HUB756 Seminar in Ethics and Public Philosophy
- HUB757 Ethics, Technology and the Environment
- HUB758 Advanced Seminar in Applied Ethics Research Methods
- HUB759 Values and Social Choice
- HUB601 Human Identity and Change
- HUB687 Contemporary Moral Problems
- HUB772 Introduction to Politics: Political Ideologies
- SSB037 Studies in Human Rights

**ASIA PACIFIC STUDIES**

Asia Pacific Studies offers four options. Students studying one of the three languages are encouraged to complete a 120 credit point extended major. Students specialising in a LOTE may apply for an in-country semester study option. In this case, students enrol in HUB648 In-country Semester (48 credit points).

**Option 1 – Asia Pacific Political, Cultural and Development Studies (96 credit points)**

**Introductory (Compulsory)**

- HUB610 Approaches to Asia Pacific Studies

**Advanced (Elective Units)**

- HUB612 Modern Indonesian Studies
- HUB617 Women, Aid and Development
- HUB618 Asian Women: Tradition, Colonisation & Revolution
- HUB619 Pacific Culture Contact
- HUB620 The Pacific Since 1945
- HUB621 North American Studies
- HUB622 Latin American Studies
- HUB623 Asia Pacific Political Studies
- HUB624 Advanced Seminar in Asia Pacific Studies I
- HUB626 Contemporary Southeast Asia
- HUB627 Australia and the South Pacific
Option 2 – Indonesian Language and Culture (96 credit points)

HUB610 Approaches to Asia Pacific Studies 12 3
HUB612 Modern Indonesian studies 12 3

Sequence of six Indonesian language units:
HUB650 Indonesian 1 12 3
HUB651 Indonesian 2 12 3
HUB652 Indonesian 3 12 3
HUB653 Indonesian 4 12 3
HUB654 Indonesian 5 12 3
HUB655 Indonesian 6 12 3
HUB656 Indonesian 7 12 3
HUB657 Indonesian 8 12 3

Students are encouraged to enrol in:
HUB646 International Intensive Program 12
OR
HUB647 International summer school or equivalent 24
OR
HUB648 International semester or equivalent 48

Option 3 – Japanese Language and Culture (96 credit points)

HUB610 Approaches to Asia Pacific Studies 12 3
HUB628 Modern Japan 12 3

Sequence of six Japanese language units:
HUB660 Japanese 1 12 4
HUB661 Japanese 2 12 4
HUB662 Japanese 3 12 4
HUB663 Japanese 4 12 4
HUB664 Japanese 5 12 4
HUB665 Japanese 6 12 4
HUB666 Japanese 7 12 4
HUB667 Japanese 8 12 4

Students are encouraged to enrol in:
HUB646 International Intensive Program 12
OR
HUB647 International summer school or equivalent 24
OR
HUB648 International semester or equivalent 48

Option 4 – French Language and Culture (96 credit points)

HUB610 Approaches to Asia Pacific studies 12 3

PLUS select one of:
HUB619 Pacific Culture Contact 12 3
HUB620 The Pacific Since 1945 12 3

Sequence of six French language units:
HUB670 French 1 12 4
HUB671 French 2 12 4
HUB672 French 3 12 4
HUB673 French 4 12 4
HUB674 French 5 12 4
HUB675 French 6 12 4
HUB677 French 8 12 4
HUB678 French 7 12 4

Students are encouraged to enrol in:
HUB646 International Intensive Program 12
OR
HUB647 International summer school or equivalent 24
OR
HUB648 International semester or equivalent 48

AUSTRALIAN STUDIES

In addition to the compulsory introduction unit HUB680 students may select any other seven Australian studies units to complete the major. Specialisation on contemporary Australia, historical Australia, literary and cultural studies, or Aboriginal and Torres Strait Islander studies is possible by selecting a majority of units from these strands.

Introductory (Compulsory)
HUB680 Approaches to Australian Studies 12 3

Advanced (Elective Units)

Strand 1 – Contemporary Australia
HUB682 Social Movements in Australia 12 3
HUB683 Australian Geographical Studies 12 3
HUB685 Australian Resource Management 12 3
HUB687 Contemporary Moral Problems 12 3
HUB694 Australian Politics 12 3
HUB201 The Natural Environment 12 3
HUB202 Human Geography 12 3
HUB207 Environmental Hazards 12 3

Strand 2 – Historical Australia
HUB627 Australia & the South Pacific 12 3
HUB690 Themes in Australian History 12 3
HUB691 Women’s Past: Women’s History to Feminist Historiography 12 3
HUB692 Conspiracy & Dissent in Australian History 12 3
HUB693 Australian Race Relations 12 3

Strand 3 – Aboriginal and Torres Strait Islander studies
HUB700 Aboriginal & Torres Strait Islander Culture Studies 12 3
HUB693 Australian Race Relations 12 3
HUB701 Aboriginal & Torres Strait Islander Literature 12 3
HUB702 The Australian Dreaming: The Indigenous Construction 12 3
HUB703 Indigenous Politics & Political Culture 12 3
HUB714 Aboriginal Communities in Crisis and Recovery (Advanced Seminar) 12 3

Strand 4 – Australia Literary and Cultural Studies
HUB701 Aboriginal and Torres Strait Islander Literature 12 3
HUB710 Australian Literary Studies 12 3
HUB711 Australian Women’s Writing 12 3
HUB712 Australian Children’s and Adolescent Fiction 12 3

EUROPEAN STUDIES

European Studies offer three options. Students studying one of the language options are encouraged to complete a 120 credit point extended major. Students specialising in a LOTE may apply for an in-country semester study option. In this case, students enrol in HUB648 In-country Semester (48 credit points).

Option 1 – European History, Literature and Culture (96 credit points)

Introductory Compulsory
HUB720 Approaches to European Studies 12 3

Advanced (Elective Units)
HUB649 History Writing in Modern Europe (Advanced Seminar) 12 3
HUB721 The Classical World 12 3
HUB722 Foundations of Modern Europe 12 3
HUB723 War and Revolution in Europe 1914-1945 12 3
HUB724 Nineteenth Century English Literature and Culture 12 3
HUB725 Twentieth Century English Literature and Culture 12 3
HUB727 European Literature and Identity 12 3
HUB728 Popular Literature (Advanced Seminar) 12 3
Option 2 – French Language and Culture (96 credit points)

HUB720 Approaches to European Studies 12 3
HUB723 Europe in the Twentieth Century 12 3

Sequence of six French language units:
HUB670 French 1 12 4
HUB671 French 2 12 4
HUB672 French 3 12 4
HUB673 French 4 12 4
HUB674 French 5 12 4
HUB675 French 6 12 4
HUB676 French 7 12 4
HUB677 French 8 12 4

Students are encouraged to enrol in:
HUB646 International Intensive Program 12
OR
HUB647 International summer school or equivalent 24
OR
HUB648 International semester or equivalent 48

Option 3 – German Language and Culture (96 credit points)

HUB720 Approaches to European Studies 12 3
HUB723 Europe in the Twentieth Century 12 3

Sequence of six German language units:
HUB735 German 1 12 4
HUB736 German 2 12 4
HUB737 German 3 12 4
HUB738 German 4 12 4
HUB739 German 5 12 4
HUB740 German 6 12 4
HUB741 German 7 12 4
HUB742 German 8 12 4

Students are encouraged to enrol in:
HUB646 International Intensive Program 12
OR
HUB647 International summer school or equivalent 24
OR
HUB648 International semester or equivalent 48

FEMINIST STUDIES MINOR

Introductory (Compulsory)
HUB760 Approaches to Feminist Studies 12 3

Advanced (Elective Units)
HUB617 Women, Aid and Development 12 3
HUB618 Asian Women: Tradition, Colonisation and Revolution 12 3
HUB691 Women’s Past: Women’s History to Feminist Historiography 12 3
HUB711 Australian Women’s Writing 12 3
HUB730 Gender, Writing and Representation 12 3
HUB754 Feminism and Ethics 12 3
HUB761 Advanced Seminar in Feminist Studies 1 12 3
HUB762 Advanced Seminar in Feminist Studies 2 12 3

POLITICAL STUDIES MINOR

Introductory (Compulsory)
HUB694 Australian Politics 12 3

Advanced (Elective Units)
HUB623 Asia Pacific Political studies 12 3
The offering of elective units in any semester depends on sufficient minimum enrolments in the unit and the availability of staff. The offering of all electives is subject to the approval of the Head of School.

☐ Academy of the Arts Electives

The following electives are available across all disciplines of the Academy.

Semester 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Credit</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>AAB053</td>
<td>Gender Issues in Visual and Performing Arts</td>
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<td>AAB055</td>
<td>Professional Practice&lt;sup&gt;3&lt;/sup&gt;</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AAB057</td>
<td>Independent Study&lt;sup&gt;3&lt;/sup&gt;</td>
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<td>3</td>
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<tr>
<td>AAB058</td>
<td>Arts Research&lt;sup&gt;4&lt;/sup&gt;</td>
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<td>AAB059</td>
<td>Hybrid Arts Project</td>
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<td>AAB062</td>
<td>Arts Event Promotion &amp; Public Relations</td>
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Semester 2

<table>
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<th>Credit</th>
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<td>AAB056</td>
<td>Professional Studies</td>
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<td>3</td>
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<tr>
<td>AAB057</td>
<td>Independent Study&lt;sup&gt;3&lt;/sup&gt;</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAB059</td>
<td>Hybrid Arts Project</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAB060</td>
<td>Applied Research Methodologies&lt;sup&gt;4&lt;/sup&gt;</td>
<td>12</td>
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<tr>
<td>AAB061</td>
<td>Arts Business Management</td>
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<td>3</td>
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</table>

Bachelor of Arts (Dance) (AA11)

Location: Kelvin Grove campus

Course Duration: 3 years full-time

Total Credit Points: 288

Course Coordinator: Kristen Bell

Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>AAB051</td>
<td>12</td>
<td>3</td>
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<td>Faculty core units (choice)</td>
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<td>AAB125</td>
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Year 1, Semester 2

<table>
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<th>Course Name</th>
<th>Credit</th>
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<tbody>
<tr>
<td>AAB100</td>
<td>Composition 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAB106</td>
<td>Dance Analysis &amp; History 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAB132</td>
<td>Ballet Technique 2&lt;sup&gt;4&lt;/sup&gt;</td>
<td>6</td>
<td>6</td>
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<tr>
<td>AAB136</td>
<td>Contemporary Technique 2&lt;sup&gt;4&lt;/sup&gt;</td>
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<td>7.5</td>
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<tr>
<td>ATB100</td>
<td>Texts &amp; Meanings</td>
<td>12</td>
<td>3</td>
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</table>

Year 2, Semester 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Credit</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Choice of Academy core units</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>AAB137</td>
<td>Contemporary Technique 3&lt;sup&gt;4&lt;/sup&gt;</td>
<td>6</td>
<td>7.5</td>
</tr>
<tr>
<td>AAB165/1</td>
<td>Composition 2</td>
<td>6</td>
<td>1.5</td>
</tr>
<tr>
<td>AAB133</td>
<td>Ballet Technique 3&lt;sup&gt;4&lt;/sup&gt;</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

<sup>3</sup> Available to third year students only.

<sup>4</sup> Honours prerequisite.
### Year 2, Semester 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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</thead>
<tbody>
<tr>
<td>AAB104</td>
<td>Music</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>AAB134</td>
<td>Ballet Technique 4(^4)</td>
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<td>6</td>
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<tr>
<td>AAB138</td>
<td>Contemporary Technique 4(^4)</td>
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<td>AAB165/2</td>
<td>Composition 2</td>
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<td>1.5</td>
</tr>
<tr>
<td>AAX104/2</td>
<td>Dance Kinesiology &amp; Alignment</td>
<td>6</td>
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### Year 3, Semester 1

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<tr>
<td>AAB116</td>
<td>Dance in the Community</td>
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<tbody>
<tr>
<td>AAB058</td>
<td>Arts Research(^4,5)</td>
<td>12</td>
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<tr>
<td>AAB109</td>
<td>Practicum</td>
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<tr>
<td>AAB117</td>
<td>Dance in Education</td>
<td>12</td>
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<tr>
<td>AAB168</td>
<td>Performance Studies 1</td>
<td>12</td>
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<tbody>
<tr>
<td>AAB158</td>
<td>Advanced Composition 1</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AAB171</td>
<td>Dance Styles 1</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AAX113</td>
<td>Repertoire &amp; Practice Period 3</td>
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### Year 3, Semester 2

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<tr>
<td>AAB056</td>
<td>Professional Studies</td>
<td>12</td>
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<tr>
<td>AAB114</td>
<td>Dance in Australian Society(^5)</td>
<td>12</td>
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Select one of the following units:

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<tr>
<td>AAB159</td>
<td>Advanced Composition 2</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AAB169</td>
<td>Performance Studies 2</td>
<td>12</td>
<td>3</td>
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<td>AAB172</td>
<td>Dance Styles 2</td>
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### Elective units

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<tbody>
<tr>
<td>AAB112</td>
<td>History of Australian Theatre Dance</td>
<td>12</td>
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<tr>
<td>AAB155</td>
<td>Advanced Analysis: Ballet</td>
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<tr>
<td>AAB156</td>
<td>Advanced Analysis: Modern</td>
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<tr>
<td>AAB157</td>
<td>Advanced Analysis: Comparative</td>
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<tr>
<td>AAB176</td>
<td>Jazz &amp; Popular Dance</td>
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Students may also choose elective units from other Academy programs or elsewhere in the University.

---

### Bachelor of Arts (Drama) (AA21)

**Location:** Kelvin Grove campus  
**Course Duration:** 3 years full-time  
**Total Credit Points:** 288  
**Course Coordinator:** Dr Jacqueline Martin

**Course Structure**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>AAB051</td>
<td>Arts in Society (Faculty core unit)</td>
<td>12</td>
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<tr>
<td></td>
<td>Choice of Faculty core units</td>
<td>12</td>
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<tr>
<td>AAB202</td>
<td>Acting (^5)</td>
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<tr>
<td>AAB204</td>
<td>Voice &amp; Movement 1</td>
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</table>

\(^4\) Designated units. See Student Rules for details.  
\(^5\) Honours prerequisite.
### TECHNICAL PRODUCTION & MANAGEMENT MAJOR (TPM)

#### Year 1, Semester 1
- AAB051 Arts in Society (Faculty core unit)  
- AAB274 Theatrecraft  
- AAB292 Stage & Technical Management 1

#### Year 2, Semester 1
- AAB274 Theatrecraft  
- AAB276 Visual Theatre – Design  
- AAB293 Stage & Technical Management 2

#### Year 3, Semester 1
- AAB255 Theatre Production 1  
- AAB291 Technical Production 3

#### Year 3, Semester 2
- AAB056 Professional Studies  
- AAB256 Theatre Production 2

---

### OPEN STRAND (OPE)

#### Year 1, Semester 1
- AAB051 Arts in Society (Faculty core unit)  
- AAB208 Elements of Drama  
- AAB259 The Performance Instrument: Body & Voice

---

5 Designated units. See Student Rules for details.
### Year 1, Semester 2
- AAB251 Studies in Theatre History 1 12 3
- AAB257 Acting Studies 1 12 5
- AAB273 Performance 12 5
- ATB100 Texts & Meanings (Faculty Core Unit) 12 3

### Year 2, Semester 1
- Faculty Core Unit (choice) 12 3
- AAB214 Process Drama 12 3
- AAB252 Studies in Theatre History 2 12 3
- Elective 12

### Year 2, Semester 2
- AAB271 Studies in Directing 12 3
- AAB304 Forming Knowledge 12 3
- Elective Units 24

### Year 3, Semester 1
Select two units from the following three:
- AAB058 Arts Research 12 3
- AAB253 Studies in Theatre History 3 12 3
- AAB275 Reading Performance 12 3
- Elective Units 24

### Year 3, Semester 2
Select one unit from the following two:
- AAB272 Drama & Community Cultural Development 12 3
- AAB056 Professional Studies 12 3
- AAB060 Applied Research Methodologies 12 3
- Elective Units 24

### Arts Administration Major (ARA)

#### Year 3, Semester 1
- AAB255 Theatre Production 1 24
- AAB266 Arts Events Planning 12 3
- Elective 12

#### Year 3, Semester 2
- AAB056 Professional Studies 12 3
- AAB256 Theatre Production 2 36

### Drama Electives

#### Semester 1
- AAB258 Acting Studies 2 12 5
- AAB276 Visual Theatre – Design 12 3
- AAB278 Technical Theatre 12 3
- AAB306 Directing for Theatre 12 3

#### Semester 2
- AAB277 Physical Theatre 12 3
- AAB278 Technical Theatre 12 3
- AAB280 Drama as Social Action 12 3
- AAB307 Writing for Performance 12 3

Students may also choose electives from other Academy programs or elsewhere in the University.

---

### Bachelor of Arts (Drama) (AA22) – Singapore

This three-year full-time course is offered at LASALLE-SIA College of the Arts in Singapore. The course provides training in voice and movement, acting styles, dance, singing and an in-depth study of the development of Asian and Western theatre. The technical requirements of theatre, issues in arts management and the relationship between the arts and society are also explored in the course. A specialisation in technical arts is available, with a component undertaken at QUT in Brisbane.

---

4 *Honours prerequisite.*

---
Enquiries to LASALLE-SIA College of the Arts, 90 Goodman Road, Singapore 1543 (phone 344 4300 or fax 346 5708) or to QUT Academy of the Arts, Locked Bag 2, Red Hill Q 4059. Phone (07) 3864 3248, fax (07) 3864 3672 or email h.cayzer@qut.edu.au.

**Bachelor of Arts (Visual Arts) (AA71)**

**Location:** Kelvin Grove campus  
**Course Duration:** 3 years full-time  
**Total Credit Points:** 288  
**Course Coordinator:** Mr Martin Kelly

<table>
<thead>
<tr>
<th>Course Structure</th>
<th>Credit Points</th>
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<td><strong>Year 1, Semester 1</strong></td>
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<tr>
<td>AAB051 Arts in Society (Faculty core unit)</td>
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<td>Choice of Faculty core units</td>
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<tr>
<td>AAB740 Foundation Art Practice 1</td>
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**Year 1, Semester 2**

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<td>AAB741 Foundation Art Practice 2</td>
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<tr>
<td>AAB726 Introduction to Art History</td>
<td>12</td>
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<td>ATB100 Texts &amp; Meanings (Faculty Core Unit)</td>
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**Year 2, Semester 1**

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<td>AAB742 Studio Art Practice 1</td>
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<td>Elective Unit</td>
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**Year 2, Semester 2**

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<td>AAB701 Modernism</td>
<td>12</td>
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<td>AAB743 Studio Art Practice 2</td>
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<td>Elective Unit</td>
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**Year 3, Semester 1**

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<td>AAB744 Studio Art Practice 3</td>
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<td>AAB712 Contemporary Art Issues</td>
<td>12</td>
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**Year 3, Semester 2**

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**Studio Electives**

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<th>Course</th>
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<tbody>
<tr>
<td>AAB447 Drawing</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AAB455 Computer Graphics (available in Semester 1 only)</td>
<td>12</td>
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<tr>
<td>AAB457 Sculpture</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AAP503 Clay Materials</td>
<td>12</td>
<td>3</td>
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<td>AAP505 Fibre Arts</td>
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<td>3</td>
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<tr>
<td>AAP507 Painting</td>
<td>12</td>
<td>3</td>
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<td>AAP509 Photographic Media</td>
<td>12</td>
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<td>AAP511 Printmaking</td>
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**Extended Studio Electives**

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<td>AAB751 Extended Studio Practice 1</td>
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<td>AAB752 Extended Studio Practice 2</td>
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<td>AAB753 Extended Studio Practice 3</td>
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<tr>
<td>AAB754 Extended Studio Practice 4</td>
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**Art Theory Electives**

In addition to QUT units, arrangements exist for cross-institutional enrolments in Art History and Theory subjects offered by The University of Queensland and Queensland College of Art, Griffith University.

---

5 Designated units. See Student Rules for details.
Contact Course Coordinator for details.
Students may also choose electives from other Academy programs or elsewhere in the University.

## Bachelor of Music (AA51)

**Location:** Kelvin Grove campus  
**Course Duration:** 3 years full-time  
**Total Credit Points:** 288  
**Course Coordinator:** Mr Michael Faragher

### Course Structure

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<th>Year, Semester 1</th>
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<tr>
<td>AAB606/1 Principal Studies 15</td>
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<tr>
<td>AAB601/1 Musicianship 1</td>
<td>6</td>
<td>3</td>
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<td>AAB604/1 Writing Techniques 1</td>
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<tr>
<td>AAB606/2 Principal Studies 15</td>
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<td>AAB601/2 Musicianship 1</td>
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<td>3</td>
</tr>
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<td>AAB604/2 Writing Techniques 1</td>
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<tr>
<td>ATB100 Texts &amp; Meanings (Faculty Core Unit)</td>
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<tr>
<td>Choice of Faculty Core Units (may be taken in Sem. 2)</td>
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<tr>
<td>AAB607/1 Principal Studies 25</td>
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<td>AAB602/1 Musicianship 2</td>
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<td>AAB605/1 Writing Techniques 2</td>
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<td>AAB611 Music from 1600-1750</td>
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<tbody>
<tr>
<td>AAB607/2 Principal Studies 25</td>
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<td>AAB602/2 Musicianship 2</td>
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<td>2</td>
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<td>AAB605/2 Writing Techniques 2</td>
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<tr>
<td>AAB612 Music from 1750-1900</td>
<td>12</td>
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<td>Elective (may be taken in Sem. 1)</td>
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<tbody>
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<td>AAB608/1 Principal Studies 3</td>
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<td>AAB613 Music from 1900-1950</td>
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<td>Elective Units</td>
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<tr>
<td>AAB608/2 Principal Studies 3</td>
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<td>4</td>
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<tr>
<td>AAB614 Music from 1950 – present day</td>
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<tr>
<td>Elective Units</td>
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### Elective units

#### Semester 1

<table>
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<tr>
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<td>Ensemble 1 (year-long unit)</td>
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<tr>
<td>AAB619</td>
<td>Introduction to Music Technology</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AAB620</td>
<td>Introduction to Popular Song Composition</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AAB621</td>
<td>Studio Recording Techniques</td>
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<tr>
<td>AAB622</td>
<td>Second Study 1 (year-long unit)</td>
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<tr>
<td>AAB623</td>
<td>Choral Conducting</td>
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<tr>
<td>AAB626</td>
<td>Music &amp; Sound for Multimedia</td>
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<td>AAB628</td>
<td>Second Study 2 (year-long unit)</td>
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<td>AAB629</td>
<td>Ensemble 2 (year-long unit)</td>
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5 Designated units. See Student Rules for details.
Semester 2

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<tbody>
<tr>
<td>AAB617</td>
<td>Choral &amp; Instrumental Arranging</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAB618</td>
<td>Composition for Film &amp; Television</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAB619</td>
<td>Introduction to Music Technology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAB621</td>
<td>Studio Recording Techniques</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAB624</td>
<td>Computer Music</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AAB625</td>
<td>Instrumental Conducting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAB627</td>
<td>Studio Music Teaching</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAB630</td>
<td>Orchestration</td>
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</table>

Students may also choose electives from other Academy programs or elsewhere in the University.

**Bachelor of Social Science (SS07)**

With majors in Human Services, Psychology, and Sociology.

**Location:** Carseldine campus

**Course Duration:** 3 years full-time, 6 years part-time

**Total Credit Points:** 288

**Course Coordinators:**

- **Overall Course:** Dr John Tomlinson
- **Human Services Major:** Dr Barrie O’Connor
- **Psychology Major:** Dr Doug Mahar
- **Sociology Major:** Dr Paul Harrison

**HUMAN SERVICES MAJOR (HSE)**

**Full-Time Course Structure**

<table>
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<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<td>SSB002 Introduction to Human Rights</td>
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</tr>
<tr>
<td>SSB003 Introduction to Psychology</td>
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<td>3</td>
</tr>
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<td>SSB050 Introduction to Human Services</td>
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<td>SSB051 Human Development</td>
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<tbody>
<tr>
<td>SSB004 Social Inequality in Australia</td>
<td>12</td>
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<tr>
<td>SSB052 Interpersonal Skills for Human Services</td>
<td>12</td>
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<tr>
<td>Faculty Core Unit – Student Choice</td>
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<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>SSB053 Policy &amp; Social Change in Human Services</td>
<td>12</td>
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<tr>
<td>SSB054 Working in Human Service Organisations</td>
<td>12</td>
<td>3</td>
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<tr>
<td>SSB055 Ethics, Rights &amp; Human Services</td>
<td>12</td>
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</table>

Select one Services strand:

<table>
<thead>
<tr>
<th>Service Strand</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>SSB011 Child &amp; Family Services: Introduction</td>
<td>12</td>
<td>3</td>
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<tr>
<td>SSB012 Disability Services: Introduction</td>
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</tr>
<tr>
<td>SSB013 Corrective Services: Introduction</td>
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<tr>
<td>SSB014 Aged Services: Introduction</td>
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<tr>
<td>SSB015 Multicultural Services: Introduction</td>
<td>12</td>
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<tr>
<td>SSB016 Services to Young People: Introduction</td>
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<tbody>
<tr>
<td>SSB056 Practice Theories &amp; Processes</td>
<td>12</td>
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<tr>
<td>SSB057 Human Services Industry Experience</td>
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<tr>
<td>SSB058 Social Inquiry</td>
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Select one Services strand as for Year 2, Semester 1:

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<tr>
<td>SSB020 Child &amp; Family Services: Practice Issues</td>
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<tr>
<td>SSB021 Disability Services: Practice Issues</td>
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<tr>
<td>SSB022 Corrective Services: Practice Issues</td>
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<tr>
<td>SSB023 Aged Services: Practice Issues</td>
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<td>SSB024 Multicultural Services: Practice Issues</td>
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<td>SSB025 Services to Young People: Practice Issues</td>
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</table>
Year 3, Semester 1
SSB059 Industry Practicum (14 weeks) 48

Year 3, Semester 2
SSB027 Community Work 12 3
SSB060 Human Services in Macro Contexts 12 3
Select one Services strand as for Year 2, Semester 2
SSB008 Counselling Theory & Practice 12 3
SSB017 Group Work 12 3
SSB030 Child & Family Services: Advanced Practice 12 3
SSB031 Disability Services: Advanced Practice 12 3
SSB032 Corrective Services: Advanced Practice 12 3
SSB033 Aged Services: Advanced Practice 12 3
SSB034 Multicultural Services: Advanced Practice 12 3
SSB035 Services to Young People: Advanced Practice 12 3
Elective Unit (Select one)
SSB046 Directed Study in Human Service Theory and Practice 12 3
SSB048 Managing Human Service Organisations 12 3
An approved unit from other courses 12

October-December
SSB036 Fieldwork Practice 2 N/A 360 hrs for 10 wks

Part-Time Course Structure
Part-time students usually study two units per semester. Two units are usually offered in late afternoon/evening timeslots each semester in each year of the course.

PSYCHOLOGY MAJOR (PSY)

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>SSB000 Australian Society: Introduction to Sociology</td>
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<tr>
<td>SSB002 Introduction to Human Rights (Faculty Core Unit)</td>
<td>12</td>
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<tr>
<td>SSB003 Introduction to Psychology 1A (Faculty Core Unit)</td>
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<tbody>
<tr>
<td>Faculty Core Unit - Student Choice</td>
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<tr>
<td>SSB007 Interpersonal Processes &amp; Skills</td>
<td>12</td>
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<tr>
<td>SSB930 Psychological Research Methods</td>
<td>12</td>
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<tr>
<td>SSB932 Introduction to Psychology 1B</td>
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<tr>
<td>SSB008 Counselling Theory &amp; Practice 1</td>
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<td>SSB915 Social Psychology</td>
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<tr>
<td>SSB950 Research Design &amp; Data Analysis</td>
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<tr>
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<tr>
<td>SSB913 Developmental Psychology</td>
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<td>SSB931 Perception</td>
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<th>Year 3, Semester 1</th>
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<tr>
<td>SSB933 Cognitive Psychology</td>
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<tr>
<td>SSB934 Physiological Psychology</td>
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<tr>
<td>SSB936 Personality &amp; Psychopathology</td>
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<tr>
<td>SSB941 Psychological Assessment</td>
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<tr>
<td>SSB944 Industrial &amp; Organisational Psychology</td>
<td>12</td>
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<tr>
<td>Elective Unit</td>
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</tbody>
</table>
### Part-Time Course Structure

#### Year 1, Semester 1
- SSB000 Australian Society: Introduction to Sociology  
  12 credits  
- SSB003 Introduction to Psychology 1A (Faculty Core Unit)  
  12 credits

#### Year 1, Semester 2
- SSB930 Psychological Research Methods  
  12 credits  
- SSB932 Introduction to Psychology 1B  
  12 credits

#### Year 2, Semester 1
- SSB002 Introduction to Human Rights (Faculty Core Unit)  
  12 credits  
- Elective Unit  
  12 credits

#### Year 2, Semester 2
- Faculty Core Unit – Student Choice  
  12 credits  
- SSB007 Interpersonal Processes & Skills  
  12 credits

#### Year 3, Semester 1
- SSB915 Social Psychology  
  12 credits  
- SSB950 Research Design & Data Analysis  
  12 credits

#### Year 3, Semester 2
- SSB913 Developmental Psychology  
  12 credits  
- SSB931 Perception  
  12 credits

#### Year 4, Semester 1
- SSB008 Counselling Theory & Practice 1  
  12 credits  
- Elective  
  12 credits

#### Year 4, Semester 2
- Faculty Core Unit – Student Choice  
  12 credits  
- Elective  
  12 credits

#### Year 5, Semester 1
- SSB933 Cognitive Psychology  
  12 credits  
- Elective Unit  
  12 credits

#### Year 5, Semester 2
- SSB936 Personality & Psychopathology  
  12 credits  
- SSB941 Psychological Assessment  
  12 credits

#### Year 6, Semester 1
- SSB934 Physiological Psychology  
  12 credits  
- Elective Unit  
  12 credits

#### Year 6, Semester 2
- SSB944 Industrial & Organisational Psychology  
  12 credits  
- Elective Unit  
  12 credits

### Psychology Elective Units
The following elective units are offered in the Psychology program to enable diversity of choice at undergraduate and early postgraduate level and to allow innovative approaches to current and perceived community needs. However, such elective units will be offered subject to staff availability and sufficient student enrolment to justify running the unit.

- SSB017 Group Work  
  12 credits  
- SSB804 Psychology & Gender  
  12 credits  
- SSB939 Alcohol & Other Drug Studies  
  12 credits  
- SSB942 Independent Study (Psychology)  
  12 credits  
- SSB943 Occupational & Vocational Psychology  
  12 credits  
- SSB944 Industrial & Organisational Psychology  
  12 credits  
- SSB946 Counselling Theory & Practice 2  
  12 credits  
- SSB948 Advanced Developmental Psychology  
  12 credits  
- SSB949 Introduction to Family Therapy  
  12 credits  
- SSB951 Advanced Statistical Analysis (essential for intending Honours students)  
  12 credits  
- Other Elective Unit approved by the Head of Program.

---

6 Will also be offered at Gardens Point campus, subject to student demand.
Notes
Elective units are to be chosen in consultation with the Head of Program or appointed nominee/adviser to ensure that progression rules for the degree and/or for fourth year study are followed. Up to 72 credit points of elective units can be taken from other Schools or Faculties.

Bachelor of Business and Bachelor of Applied Science students completing a minor or a secondary major in Psychology at the Gardens Point campus may choose from the following units also but are to note incompatible units. (These units are not normally open to Bachelor of Social Science students who will follow the Social Science program.)

SSB912  Psychology (incompatible with SSB003 Introduction to Psychology 1A)
SSB917  Physiological & Health Psychology (incompatible with SSB934 Physiological Psychology)
SSB937  Applied Cognitive Psychology (incompatible with SSB933 Cognitive Psychology)

Other units as advised from time to time. Students should seek advice before finalising their choices.

Sociology Major (SOC)
Students can decide at the end of the first semester whether they wish to choose a simple or an extended major.

Students who wish to do a simple major in Sociology should do:

SSB000  Australian Society: Introduction to Sociology
SSB004  Social Inequality in Australia
SSB906  Sociological Theory

Plus eight sociology units at second and third year level.

The following course structure is for an extended Sociology Major, comprising ten Sociology units at second and third year level.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSB000  Australian Society: Introduction to Sociology</td>
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<td>3</td>
</tr>
<tr>
<td>SSB051  Human Development 1</td>
<td>12</td>
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<tr>
<td>SSB002  Introduction to Human Rights (Faculty Core)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>SSB003  Introduction to Psychology (Faculty Core)</td>
<td>12</td>
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</table>

| Year 1, Semester 2 | |
|--------------------|---------------|----------------|
| SSB004  Social Inequality in Australia | 12 | 3 |
| SSB960  Sociological Theory | 12 | 3 |
| Faculty Core Units | 24 | |

| Year 2, Semester 1 | |
|--------------------|---------------|----------------|
| SSB969  Sociological Theory and Analysis | 12 | 3 |
| SSB970  Economic Sociology | 12 | 3 |
| Sociology Elective | 12 | 3 |
| Elective | 12 | 3 |

| Year 2, Semester 2 | |
|--------------------|---------------|----------------|
| SSB971  Political Sociology | 12 | 3 |
| Sociology Elective | 12 | 3 |
| Elective | 12 | 3 |
| Elective | 12 | 3 |

| Year 3, Semester 1 | |
|--------------------|---------------|----------------|
| SSB980  Contemporary Sociological Theory | 12 | 3 |
| Sociology Elective | 12 | 3 |
| Elective | 12 | 3 |
| Elective | 12 | 3 |

| Year 3, Semester 2 | |
|--------------------|---------------|----------------|
| SSB981  Qualitative Research Methods | 12 | 3 |
| Sociology Elective | 12 | 3 |
| Sociology Elective | 12 | 3 |
| Elective | 12 | 3 |
**Part-Time Course Structure**

**Year 1, Semester 1**
- SSB000 Australian Society: Introduction to Sociology 12 3
- SSB051 Human Development 1 12 3

**Year 1, Semester 2**
- SSB004 Social Inequality in Australia 12 3
- Faculty Core Unit 12 3

**Year 2, Semester 1**
- SSB002 Introduction to Human Rights (Faculty Core) 12 3
- SSB003 Introduction to Psychology (Faculty Core) 12 3

**Year 2, Semester 2**
- Faculty Core Unit 12 3
- SSB960 Sociological Theory 12 3

**Year 3, Semester 1**
- SSB969 Sociological Theory and Analysis 12 3
- SSB970 Economic Sociology 12 3

**Year 3, Semester 2**
- SSB971 Political Sociology 12 3
- Sociology Elective 12 3

**Year 4, Semester 1**
- Sociology Elective 12 3
- Elective 12 3

**Year 4, Semester 2**
- Elective 12 3
- Elective 12 3

**Year 5, Semester 1**
- SSB980 Contemporary Sociological Theory 12 3
- Sociology Elective 12 3

**Year 5, Semester 2**
- SSB981 Qualitative Research Methods 12 3
- Sociology Elective 12 3

**Year 6, Semester 1**
- Elective 12 3
- Elective 12 3

**Year 6, Semester 2**
- Sociology Elective 12 3
- Elective 12 3

**Sociology Elective Units and Elective Units**

Electives in the Sociology major are divided into Sociology elective units and “general” elective units. Up to 96 credit points of “general” elective units may be chosen from units offered by the School of Social Science, or by another School within the Faculty of Arts, or from within any other Faculty of the University.

The Sociology electives may be chosen from the following, subject to the availability of staff. Additional units may be approved for 1997.

- SSB962 Survey Methods 12 3
- SSB964 Sex, Gender and Society 12 3
- SSB965 Cultural Studies 12 3
- SSB966 Independent Study 12 3
- SSB969 Sociological Theory and Analysis 12 3
- SSB972 Ethnicity, Nationalism and Cultural Diversity 12 3
- SSB973 Social Theory and Social Change in Contemporary Europe 12 3
- SSB974 Sociology of Scientific Knowledge 12 3
- SSB975 History of the Human Sciences 12 3
Faculty of Arts Core Units

<table>
<thead>
<tr>
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<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Campus</th>
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<tbody>
<tr>
<td>AAB051 Arts in Society</td>
<td>12</td>
<td>3</td>
<td>KG</td>
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<tr>
<td>ATB100 Texts and Meanings</td>
<td>12</td>
<td>3</td>
<td>CA</td>
</tr>
<tr>
<td>HUB600 Australian Society and Culture</td>
<td>12</td>
<td>3</td>
<td>KG</td>
</tr>
<tr>
<td>MJB140 Media and Society</td>
<td>12</td>
<td>3</td>
<td>GP</td>
</tr>
<tr>
<td>SSB002 Introduction to Human Rights</td>
<td>12</td>
<td>3</td>
<td>CA</td>
</tr>
<tr>
<td>SSB003 Introduction to Psychology</td>
<td>12</td>
<td>3</td>
<td>CA</td>
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<td>ATB100 Texts and Meanings</td>
<td>12</td>
<td>3</td>
<td>KG</td>
</tr>
<tr>
<td>HUB600 Australian Society and Culture</td>
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<tr>
<td>MJB140 Media and Society</td>
<td>12</td>
<td>3</td>
<td>CA</td>
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<tr>
<td>SSB002 Introduction to Human Rights</td>
<td>12</td>
<td>3</td>
<td>GP</td>
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</table>

NB: The unit SSB003 will not be available in Semester 2, 1997 instead SSB912 Psychology will be offered, which has the SAME content:

<table>
<thead>
<tr>
<th>Unit</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>SSB912 Psychology</td>
<td>12</td>
<td>3</td>
<td>KG &amp; GP</td>
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</table>

Pre-enrolment of Commencing Students

Commencing full-time and some part-time students have been pre-enrolled in their units for the year. Any students not entering the first year of the course or who have received credit for one or more of the listed units should strike out the relevant unit/s by ruling a bold line through the unit code/s and unit name/s, and then attach a page to the enrolment form listing the different units to be studied in 1997.

■ Associate Degree in Dance (AA09)

Location: Kelvin Grove campus

Course Duration: 2 years full-time

Total Credit Points: 192

Course Coordinator: Associate Professor Susan Street

Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>AAX101/1 Dance Composition 1</td>
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<tr>
<td>AAX104/1 Dance Kinesiology &amp; Alignment</td>
<td>6</td>
<td>2.5</td>
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<tr>
<td>AAX105/1 Dance Styles 1</td>
<td>4</td>
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<tr>
<td>AAX111 Repertoire &amp; Practice Period 1^5</td>
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<tr>
<td>AAX115/1 Dance History</td>
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<tr>
<td>AAX117 Ballet Technique 1^5</td>
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<td>AAX121 Contemporary Technique 1^5</td>
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<td>9.5</td>
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<tr>
<td>AAX122 Contemporary Technique 2^5</td>
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<th>Contact Hrs/Wk</th>
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<tbody>
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<td>AAX102/1 Dance Composition 2</td>
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<tr>
<td>AAX106/1 Dance Styles 2</td>
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<td>AAX113 Repertoire &amp; Practice Period 3^5</td>
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<tr>
<td>AAX116 Stagecraft</td>
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</table>

^5 Designated units. See Student Rules for details.
Year 2, Semester 2

AAX119 Ballet Technique 3\textsuperscript{5} 8 9.5
AAX123 Contemporary Technique 3\textsuperscript{5} 8 7.5

Pre-enrolment of Commencing Students

Commencing students have been pre-enrolled in their units for the year. Any student not entering the first year of the course or who has been given credit for one or more of the listed units should strike out the relevant units by ruling a bold line through the unit code and unit name, and then attach a page to their enrolment form listing the different unit(s) to be studies in 1997.
COURSES

- Course Requirements and Notes Relating to Postgraduate Courses .......................................................... 224
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  - Master of Engineering (BN72) .................................................................................................................. 224
  - Master of Built Environment (BN73) ........................................................................................................ 230
  - Master of Engineering Science (Civil) (CE74) ......................................................................................... 232
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  - Master of Project Management (CN78) (Singapore) ............................................................................. 243
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  - Graduate Diploma in Electricity Supply Engineering (EE60) ............................................................... 246
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**COURSE STRUCTURES**

- Course Requirements and Notes Relating to Postgraduate Courses

**Course Progression**
It is important that students follow as normal a progression through their courses as possible. Units should be taken in an orderly sequence as set out in published course structures. Units failed should be picked up in the next semester they are offered. Prerequisite units must normally be passed before a student may proceed to a further unit which has the prerequisite so specified. The Course Coordinator should be consulted regarding variations from the course structure. This is considered to be a major concession. Students who have failed units or have doubts about having the necessary background to proceed should seek the advice of the Course Coordinator.

**Supplementary Assessment**
It is not normally Faculty policy to grant supplementary examinations. However, at the discretion of the Dean of the Faculty, supplementary or further assessment may be permitted in cases where a student is near to the completion of their course.

In such cases it is normal policy to award an ‘A’ (Result Unfinalised) and to give the student further assessment. Following satisfactory completion of this further assessment, the highest grade which may normally be awarded is a grade of 3 (Pass Conceded).

**Personal Protection Equipment (PPE) Policy**
Protective equipment refers to safety glasses/goggles, hearing protection, safety boots, gloves and similar items. While all care is taken to reduce the risks to which students are exposed, protective equipment will be required to be worn in some practical sessions and field excursions. Students are required to wear PPE where and when it has been made clear that it is needed. Students are required to provide certain PPE as indicated by each School within the Faculty.

Students enrolled in units specified by the School of Civil Engineering will be required to wear safety shoes for some laboratory practicals and/or field trips. Students not wearing appropriate safety shoes on these occasions will be barred from (i) participating in activities in these units, and (ii) submitting any assessment associated with these activities. Hard hats will be supplied by the School of Civil Engineering, as required. Students must provide their own safety glasses/goggles and hearing protection equipment.

- Master of Applied Science (Research) (BN71)
- Master of Engineering (BN72)

**Location:** Gardens Point campus

**Duration:**
Full-Time: 1 year minimum (2 semesters), 2 years maximum (4 semesters)
Part-Time: 2 years minimum (4 semesters), 4 years maximum (8 semesters)

**Course Coordinators:**
Master of Applied Science (Research): Dr Keith Hampson
Master of Engineering: Dr M. Mahendran

**Introduction**
The objectives of the program are:

- to provide instruction and postgraduate educational opportunities in design, investigation, development, research or any combination thereof, in the specialised fields of applied science relating to the built environment or directly related to professional engineering practice, by means of a program which involves either an advanced contribution to knowledge or an advanced application of existing knowledge
to provide further education in research methods

- to enable graduates employed in industry to undertake further education by research and thesis
- to further relationships between the University and industry or other external agencies involved in applied science or engineering to their mutual advantage, and
- to provide formal recognition of work of an advanced nature.

1. General Conditions

1.1 The Council of the Queensland University of Technology was established in 1989 under the *Queensland University of Technology Act* 1988.

1.2 The Council’s power to approve recommendations from Faculty academic boards regarding the registration, supervision and examination of research degree candidates and to develop policy and procedures relating to research degrees is exercised through a Research Management Committee which is a subcommittee of University Academic Board.

1.3 Research Management Committee has delegated responsibility for day-to-day administration of research Masters degree courses to Faculty academic boards. Academic boards shall report biannually to Research Management Committee on progress made by research Masters degree candidates.

1.4 This program is administered by the Academic Board of the Faculty of Built Environment and Engineering through its Faculty Research Committee. The program is offered in Architecture, Civil Engineering, Construction Management, Electrical and Electronic Systems Engineering, Industrial Design, Interior Design, Landscape Architecture, Mechanical and Manufacturing Engineering, Planning and Surveying.

1.5 In order to qualify for the award of the degree of Master of Applied Science (Research) or Master of Engineering a candidate must:

- have completed the approved program involving advanced work under the supervision of a Thesis Panel prescribed by the Faculty Research Committee of the Built Environment and Engineering Academic Board
- have submitted, and the Faculty Research Committee accepted a thesis, together with reports and/or documents where applicable, prepared under the supervision of the Thesis Panel
- have completed such other work as may be prescribed by the Faculty Research Committee, and
- submit to the Faculty Research Committee a declaration signed by the candidate that they have not been a candidate for another tertiary award without permission of the Faculty Research Committee.

2. Registration

2.1 Applications shall be accepted subject to the availability of facilities and supervision.

2.2 Applications may be lodged with the Registrar at any time.

2.3 There is a six-month maximum period between acceptance by the Faculty Research Committee and enrolment by the candidate in the Master of Applied Science (Research) or Master of Engineering before the offer of admission to the program lapses. Candidates are required to complete an enrolment form each semester.

A Note Regarding Enrolment

Please advise the Faculty Office and Enrolments Section of the University as soon as possible if there are any changes to your name, address or other personal details. You must submit a completed ‘Change to Enrolment’ form to the Enrolments Section. You may apply to change from full-time to part-time or vice versa, using Form I – ‘Intra-faculty Changes’. This form must be accompanied by a note of recommendation from your supervisor and forwarded to the Faculty Research Committee. Applications must detail your intentions on attendance and employment – see ‘attendance status, time limits and employment’.

2.4 The minimum academic qualifications for admission to the Master of Applied Science (Research) or Master of Engineering are:

- a four-year degree in an appropriate discipline in which the candidate has received at least Honours 2A from the Queensland University of Technology, or
☐ a qualification judged equivalent by the Faculty Research Committee, or
☐ a grade point average of 5.0 or better in a graduate diploma program, in a relevant discipline, together with demonstrated potential for further study and/or evidence of professional standing, or
☐ a grade point average of 5.0 or better in a coursework Masters degree program in a relevant discipline, together with demonstrated potential for further study and/or evidence of professional standing.

An applicant for the Master of Applied Science (Research) or Master of Engineering program without the minimum entry requirement may present a case for admission based on the submission of evidence of qualifications which demonstrate the applicant’s capacity to pursue the course of study.

The case may be based on the following:
(a) three years’ professional experience in the general field in which the proposed work lies, or
(b) satisfactory completion of an appropriate Masters qualifying program including formal coursework and/or reading program in related fields stipulated by the Faculty Research Committee, or
(c) the submission of technical publications or other appropriate evidence which satisfies the Faculty Research Committee that advanced knowledge has been acquired in a branch of applied science relevant to the built environment or a division of engineering in which the applicant has worked as a professional practitioner in a position of responsibility. This knowledge should be relevant to the field of study proposed.

2.5 A candidate shall be registered as a graduate student if they are considered by Faculty Research Committee to meet the requirements for entry.

2.6 A candidate shall receive confirmed registration as a graduate student when they:
☐ have satisfied the requirements for admission and achieved by work and study a standard recognised by Faculty Research Committee, or
☐ have satisfied Faculty Research Committee that they are a suitable person to undertake the program, and
☐ have satisfied Faculty Research Committee that they can devote sufficient time to the research and study.

2.7 In considering an applicant for registration, the Faculty Research Committee shall, in addition to assessing the applicant’s suitability, be satisfied that:
☐ the proposed program is relevant to the aims and objectives of the University
☐ the proposed program has relevance to the needs of society or industry, and
☐ adequate resources are available to support the proposed program.

2.8 An application for registration should set out systematically and fully the candidate’s intended course of study including the following:
☐ a description of the area of study within which the candidate’s course lies
☐ a summary of the work to be undertaken, the proposed title of the thesis to be written, the aim of the proposed program, its background, the significance and possible application of the research program, and the research plan
☐ the location at which the work will be undertaken, the amount of time which will be devoted to it and the resources required
☐ details of academic qualifications and supporting evidence, including copies of results for each year of courses undertaken
☐ a brief account of industrial experience
☐ a list of publications
☐ sponsorship details
☐ statement of approval by Head of School and/or Director of Centre, and
☐ any other relevant material.
2.9 The program is offered on a full-time or a part-time basis and may be undertaken externally. Part-time students normally will be employed in some professional capacity during the day and carry out their research projects on a part-time basis at QUT, in their place of employment or in a sponsoring organisation.

2.10 Full-time students may be on a scholarship from industry or QUT, and may carry out their research at QUT or in a sponsoring organisation. Normally full-time students would be expected to work on their research projects at QUT for not less than three-quarters of a normal working week, averaged over each year of candidacy. Such a candidate may not devote more than 300 hours annually to teaching activities, including preparation and marking.

2.11 A candidate may be based at QUT or at a place of employment or sponsoring institution. Normally, support of the sponsoring institution for the candidate’s application is required for registration. A candidate may also be external where their residence is outside of Brisbane.

2.12 The Faculty Research Committee may cancel a candidate’s registration if:

☐ after consulting a candidate’s supervisors and having taken account of all relevant circumstances, the Committee is of the opinion that the candidate either has effectively discontinued their studies or has no reasonable expectation of completing the course of study within the maximum time allowed (see Section 4).

2.13 A candidate whose registration has lapsed or has been cancelled, and who wishes subsequently to re-enter the course of study to pursue a research program which is substantially the same as the previous investigation may be re-admitted under such conditions as the Faculty Research Committee shall prescribe.

3. Course of Study

3.1 A candidate for the degree of Master of Applied Science (Research) or Master of Engineering will undertake a program of research and investigation on a topic approved by the Faculty Research Committee.

3.2 All projects should be supported by outside agencies such as industry, government authorities and professional organisations, or by QUT itself. This provision is to ensure that programs are relevant to the aims of the University and the community. It is important that projects be primarily directed towards society or industry need.

3.3 The program must be such as to enable the candidate to develop and demonstrate a level of scientific competence significantly higher than that expected of a first degree graduate. The required competence normally would include mastery of relevant techniques, investigatory skills, critical thinking, and a high level of knowledge in the specialist area.

3.4 Where advised, a candidate may be required to complete satisfactorily a program of formal coursework in subjects relevant to the field of study up to a total class contact of 48 credit points.

3.5 The course of study normally will include:

☐ participation in University scholarly activities such as research seminars, teaching and publication
☐ regular face-to-face interactions with supervisors, and
☐ a program of supervised research, design, investigation, development, construction, or any combination thereof.

The course of study may also include a program of assessed coursework.

3.6 Coursework at Masters level demands a capacity for critical analysis and a specialisation of research interests not normally appropriate for an undergraduate program. Such coursework may be conducted in a number of ways:

☐ as advanced lecture courses
☐ as seminars in which faculty and candidates present critical studies of selected problems within the subject field
☐ as independent study or reading courses, or
☐ as research projects conducted under Faculty supervision.
Candidates will be encouraged to attend conferences where these are related to the field of the research.

In all cases, coursework will be based upon a formal syllabus setting out the educational outcomes expected from the course, a list of topics to be covered, the prescribed reading material and the method of assessment of progress through and at the end of the course.

3.7 Maximum and Minimum Coursework Requirements:

<table>
<thead>
<tr>
<th>Coursework Requirement</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thesis</td>
<td>12 credit points</td>
</tr>
<tr>
<td>Maximum coursework requirement</td>
<td>64 credit points</td>
</tr>
<tr>
<td>Minimum coursework requirement</td>
<td>12 credit points</td>
</tr>
<tr>
<td>Normal coursework requirement</td>
<td>24 to 36 credit points</td>
</tr>
</tbody>
</table>

3.8 Components of Coursework:

(a) Compulsory requirement for all students in the Faculty:

- IFN001 Advanced Information Retrieval Skills: 4 credit points
- Attendance & Participation in School and/or Research Centre or Concentration Seminar/Workshop: 6 to 12 credit points

(b) Components determined by School and/or Research Centre or Concentration – Core or Elective:

- Maximum units assessed by formal graded assessment: 24 credit points maximum
- Maximum units assessed by satisfactory/unsatisfactory or merit by student: 24 credit points maximum
- Specific tailor-made reading courses supervised by supervising panel or individual member of staff: 24 credit points maximum

Students must contact their Course Coordinator to finalise their program.

4. Period of Time for Completion of Course of Study

4.1 The duration of study for candidates with four years of relevant study at tertiary level will normally be a minimum of one year and a maximum of two years or the part-time equivalent. Candidates who do not have a four-year degree or its equivalent will normally need to undertake a year of full-time coursework or equivalent whilst enrolled in the research degree.

4.2 In order to encourage completion of research degrees within a reasonable timeframe, QUT has set a limit of two years on the length of time for which it will fund a Faculty for full-time research Masters degree candidates.

4.3 A registered graduate full-time student shall present the thesis for examination after a period of at least one year but not more than two years has elapsed from the time of confirmed registration. A registered graduate part-time student shall present the thesis for examination after a period of at least two years. The maximum time is four years from the time of confirmed registration. In special cases the Faculty Research Committee may approve a shorter period.

4.4 Time limits are measured in years from the time of first registration as a graduate student. Periods of exclusion or absence with or without approval are included.

4.5 Candidates who exceed these limits may be asked to show cause why they should not have their registration in the program terminated. Such candidates must make formal application to the Faculty Research Committee to have their registration extended beyond the normal time. Details of the candidate’s progress shall be presented to the Committee together with the reasons for the delay in completing the course and the expected date of completion. Where the Committee agrees to an extension, a time limit will be set for the maximum period of registration in the program.

4.6 Candidates are notified of exclusion by registered mail. They have right of appeal to the Academic Appeals Committee.

5. Supervision

5.1 The Faculty Research Committee shall appoint two or more supervisors with appropriate experience in respect of each candidate. One shall be nominated as the Principal Supervisor and others as Associate Supervisors. The supervisors shall form a Thesis Panel.

1 Maximum of 16 credit points per semester for each semester enrolled in the program.
5.2 The Principal Supervisor shall normally be from the academic staff of the QUT School in which the candidate is enrolled.

5.3 The Thesis Panel shall supervise all aspects of the candidate’s work program, shall receive reports from the candidate on progress and shall recommend both on successful and unsuccessful completion of components of the coursework incorporated in the candidate’s program, on progress on the thesis research project and on continued enrolment.

5.4 The Thesis Panel shall receive a formal oral and written report from the candidate at least once every semester on progress on the research project.

6. Place and Conditions of Work

6.1 The research program will normally be carried out under supervision in a suitable environment within Brisbane. However, external study is possible. External candidates will be required to spend a minimum of four weeks at QUT annually.

6.2 The Faculty Research Committee shall not admit a candidate to a program of research based at the University unless it has received:

☐ a supporting statement from the Head of the QUT School and/or Director of Centre in which the study is proposed that, in their opinion, the applicant is a suitable person to undertake a research program leading to the Masters degree, that the program is supported, that the School or Centre is willing to undertake the responsibility of supervising the work of the applicant and that resources are available to support the proposed research.

6.3 The Faculty Research Committee shall not admit a candidate to a program of research based at a sponsoring establishment unless it has received:

☐ a supporting statement from the employer or director of the sponsoring institution that they are aware of the course rules and are prepared to sponsor and support the applicant, that the applicant will be provided with facilities and time to undertake the research project and that they are willing to accept responsibility for supervising the applicant’s work, and

☐ a supporting statement from the head of the QUT School or Director of Centre in which the study is proposed that, in their opinion, the applicant is a suitable person to undertake a research program leading to the Masters degree, that the program is supported, and that after examination of the proposed external facilities and supervision, the School/Centre is willing to accept the responsibility of supervising the work.

7. Thesis

7.1 In the form of presentation, availability and copyright, the thesis shall comply with all the requirements of the document Requirements for Presenting Theses (Appendix 51 in the Manual of Policies and Procedures).

7.2 A candidate shall submit the title of their thesis for approval by the Faculty Research Committee with their application, and after approval has been granted, no change will be made except with the permission of the Committee.

7.3 The candidate shall give two months' written notice of intention to submit their thesis through the Principal Supervisor.

7.4 The thesis shall comply with the following requirements:

☐ A significant proportion of the work described (as determined by the Faculty Research Committee) must have been carried out subsequent to initial registration for the Masters degree.

☐ It must describe a program of work carried out by the candidate and must involve either an advanced contribution to the knowledge of the subject or an advanced application of existing knowledge.

☐ It must reach a satisfactory standard of literary presentation.

☐ It shall be the candidate’s own account of the work. Where work is carried out conjointly with other persons, the Faculty Research Committee shall be advised of the extent of the candidate’s contribution to the joint work.

☐ The thesis shall not contain as its main content any work or material which the candidate has previously submitted for another degree or similar award.
☐ The thesis may consist primarily of reports, plans and/or documents or may be supported by these if they have a bearing on the subject of the thesis. Other supporting documents such as published papers may also be submitted with the thesis.

☐ The thesis shall contain an abstract of not more than 300 words.

7.5 Except with the specific permission of the Faculty Research Committee, the thesis must be presented in the English language. Such permission must be sought at the time of application for registration, and will not be granted solely on the grounds that the candidate’s ability to satisfy the examiners will be affected adversely by the requirement to present the thesis in English.

7.6 Subject to QUT's Intellectual Property policy, the copyright of the thesis is vested in the candidate.

7.7 Where a candidate or the sponsoring establishment wishes the thesis to remain confidential for a period of time after completion of the work, application for approval must be made to the Faculty Research Committee when the thesis is submitted. The period normally shall not exceed two years from the date on which the examiners recommend acceptance of the thesis, during which time the thesis will be held on restricted access in the QUT Library.

8. Examination of Thesis

8.1 The Faculty Research Committee shall appoint two/three examiners, of whom at least one shall be from outside of the University. No supervisor of the candidate shall be appointed as one of the examiners.

8.2 Normally, examiners must agree to read and report upon the thesis within two months of its receipt.

8.3 A candidate may be required to make an oral defence of the thesis.

8.4 On receipt of the reports from the examiners, the Faculty Research Committee shall:

(a) recommend that the thesis be accepted without modification, and to Academic Board that the candidate be awarded the degree, or

(b) recommend to Academic Board that the candidate be awarded the degree, after any minor amendments requested by the examiners have been made, or

(c) recommend that the thesis not be accepted until major revisions have been made. Such revisions might be rewriting one of the sections, with or without additional work, or

(d) not accept the thesis and terminate the candidate’s registration.

8.5 If the examiners’ reports are conflicting, the Faculty Research Committee may, after appropriate consultation with the Thesis Panel, resubmit the thesis to the examiners with copies of the examiners’ reports and/or seek the advice of a further external examiner. After due consideration of further reports from the examiners, a majority decision will be accepted by the Faculty Research Committee.

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Master of Built Environment (BN73)

URBAN DESIGN MAJOR

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Coordinator: Mr Danny O’Hare

Entry Requirements

☐ Normal entry

A grade point average of 5.0 or better in the Graduate Diploma in Urban Design at the completion of one semester full-time or two semesters part-time.

☐ Provisional entry

Applicants with other than normal entry requirements may be registered provisionally in the course if they submit other evidence of academic and professional attainment and candidature is approved by the Dean of the Faculty on the recommendation of the Course Coordinator.
A person provisionally enrolled is required to satisfactorily undertake a qualifying program which may include course units, and/or such other work as is determined before admission is confirmed. Provisional registration in the course will apply for a maximum period of 12 months for both full-time and part-time students.

**Articulation to the Masters Program from the Graduate Diploma in Urban Design**

Applicants are considered initially for acceptance in the Graduate Diploma in Urban Design. At the completion of one semester for full-time students and at the completion of two semesters for those studying part-time, students will be considered for enrolment in the Master of Built Environment (Urban Design). A grade point average of 5.0 or better in the course is normally required for progression to the Masters level.

**Focus in the Masters Program**

The Masters program includes skills and knowledge development through set coursework in common with the Graduate Diploma in Urban Design, but also requires individual research and the writing of a dissertation.

**Course Requirements**

Students must complete a minimum of 48 credit points per semester in the full-time course and a minimum of 24 credit points per semester in the part-time course.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>IFN001</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>PSN004</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>PSP401</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP403</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP421</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>PSP424</td>
<td>4</td>
<td>1</td>
</tr>
</tbody>
</table>

Plus a selection from the following totalling at least 8 credit points:

- CNP439 Property Management: 6, 2
- PSP011 Conservation Theory: 3, 1
- PSP441 Environmental Psychology: 4, 2
- PSP416 Computer Aided Data Analysis: 2, 1
- PSP442 Law & Legislation in Urban Design: 4, 1

**Year 1, Semester 2**

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSN099 Dissertation</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>PSP402 Urban Design Context Studio</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP405 Urban Design Field Studies</td>
<td>4</td>
<td>10 days</td>
</tr>
</tbody>
</table>

Plus a selection of the following totalling a minimum of 8 credit points:

- PSN002 Concentration Studies A: 4, 1
- PSN003 Concentration Studies B: 8, 2
- PSP011 Conservation Theory: 3, 1
- PSP432 Urban Landscape: 4, 1
- PSP434 Urban Services & Functions: 4, 1
- PSP441 Computer Applications in Urban Design: 4, 1

### Elective Unit/s

**Part-Time Course Structure**

**Year 1, Semester 1**

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>IFN001</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>PSP401</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP421</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>PSP424</td>
<td>4</td>
<td>1</td>
</tr>
</tbody>
</table>

**Year 1, Semester 2**

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSP402</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP405</td>
<td>4</td>
<td>10 days</td>
</tr>
</tbody>
</table>

Plus a selection from the following totalling at least 8 credit points:
Master of Engineering Science (Civil) (CE74)

Location: Gardens Point campus

Course Duration: 2 years part-time

Total Credit Points: 96

Standard Credit Points/Part-Time Semester: 24

Course Coordinator: Dr Luis Ferreira

Entry Requirements

Entrants to the Masters degree program must either:

(i) have obtained a Bachelor of Engineering degree with Honours in Civil Engineering, or
(ii) have obtained a Graduate Diploma with a grade point average of at least 5.0 on a 7-point scale.

Where entrants do not have Honours ranking in their Bachelor of Engineering (Civil) degree and/or have not undertaken units equivalent to the available QUT undergraduate units in their chosen area of study, the Head of School may require that additional undergraduate units be undertaken.

Entrants may transfer from the Graduate Diploma in Municipal Engineering (CE63) with a grade point average of at least 5.0 after completion of 50 per cent of the coursework for the Graduate Diploma. In so doing students must comply with rule 4.1.1 of the Student Rules which states ‘for courses the duration of which is less than two years of equivalent full-time study, credit may be granted up to a limit which ensures that the student completes at least one half of the total credit points specified for the course while enrolled in a QUT award course’.

Graduates who have completed the prescribed units for a major will have their award certificates and academic transcripts endorsed ‘Majoring in...’.

Course Structure

The course consists of a minimum of 96 credit points. Either 36 or 20 credit points are allocated to a project and the remainder to the non-project units. The majority of the units are common with the Graduate Diploma in Municipal Engineering (CE63). Students who do not wish to undertake a major must complete the core units plus any other combination of units, to make up the minimum total of 96 credit points. Such programs should be devised in consultation with the Course Coordinator.

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEP131 Engineering Management &amp; Administration</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Units chosen from major totalling</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEP200 Process Modelling</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>Units chosen from major totalling</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>
Year 2, Semesters 1 and 2
Select one of the following options:

Option 1
CEP999/1/2  Project A²  36  9
Units chosen from major totalling  12

Option 2
CEP998/1/2  Project B²  20  5
Units chosen from major totalling  28

<table>
<thead>
<tr>
<th>Semester of Offer</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVIRONMENTAL ENGINEERING MAJOR (EVN)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compulsory units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CEP172  Water Quality Engineering³</td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td>CEP277  Waste Management³</td>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>CEP290  Environmental Law &amp; Assessment</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>Choose remaining units from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CEP128  Municipal Engineering Planning³</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>CEP174  Public Health Engineering Practice⁴</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>CEP276  Advanced Treatment Processes⁴</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>CEP310  Urban Transportation Planning³</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>CEP361  Drainage Engineering⁴</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>CHP691  Environmental Chemistry</td>
<td>2</td>
<td>8</td>
</tr>
</tbody>
</table>

LOCAL GOVERNMENT ENGINEERING MAJOR (LGN) |
| Compulsory units: |
| CEP107  Construction Management & Economics⁴ | 1 | 8 | 2 |
| CEP127  Road & Traffic Engineering⁴ | 1 | 12 | 3 |
| CEP128  Municipal Engineering Planning³ | 1 | 12 | 3 |
| CEP174  Public Health Engineering Practice⁴ | 1 | 12 | 3 |
| Choose remaining units from any other major. |

PUBLIC HEALTH ENGINEERING MAJOR (PHN) |
| Compulsory units: |
| CEP172  Water Quality Engineering³ | 1 | 8 | 2 |
| CEP174  Public Health Engineering Practice⁴ | 1 | 12 | 3 |
| CEP276  Advanced Treatment Processes⁴ | 2 | 8 | 2 |
| CEP277  Waste Management³ | 2 | 12 | 3 |
| Choose remaining units from any other major. |

TRANSPORTATION ENGINEERING MAJOR (TRN) |
| Compulsory units: |
| CEP127  Road & Traffic Engineering⁴ | 1 | 12 | 3 |
| CEP215  Advanced Traffic Engineering⁴ | 2 | 8 | 2 |
| CEP218  Transportation Engineering³ | 1 | 12 | 3 |
| Choose remaining units from: |
| CEP310  Urban Transportation Planning³ | 2 | 8 | 2 |
| CEP361  Drainage Engineering⁴ | 2 | 8 | 2 |

■ Master of Engineering Science (Computer and Communication Engineering) (EE76)

This course code (EE76) replaces course code (EE75).

Location: Gardens Point campus
Course Duration: 1 year full-time, 2 years part-time

² Safety boots must be worn for laboratory work.
³ Indicates units are offered in even years.
⁴ Indicates units are offered in odd years.
**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Mr John Edwards

**Entry requirements**
(i) Bachelor degree in Engineering with at least second class Honours or equivalent, or

(ii) Bachelor degree in Engineering or equivalent together with successful completion of the Masters Qualifying Program

(iii) Graduate Diploma in Computer Engineering with a grade point average (GPA) of 5.0 (credit level) or higher will meet the entry requirements for admission to the Master of Engineering Science (Computer Engineering Stream) Upgrade Program.

**Streams**
Two streams are offered in the course: Computer Engineering and Communication Engineering. Students enrol in units according to the stream they wish to pursue. Any requests for approval to substitute different units should be directed to the Course Coordinator.

**Masters Qualifying Program**
Applicants who do not meet the entry requirements for the Master of Engineering Science (Computer and Communication Engineering) outlined in (i) above, will be required to enrol in the first semester of the Graduate Diploma in Computer Engineering (EE65). If in this first semester a sufficiently high standard is attained, then candidates will be invited to change enrolment to the Masters program. Otherwise they will continue their studies in the Graduate Diploma in Computer Engineering towards that award.

**Masters Upgrade Program**
Those who have completed the Graduate Diploma in Computer Engineering may upgrade by undertaking further study in the Master of Engineering Science (Computer Engineering Stream) and be given credit for the units which they have completed at graduate diploma level. The structure of the course dictates that this upgrade program be undertaken on a part-time basis.

Students undertaking the Masters Upgrade Program will enrol in the following units:

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEP301</td>
<td>12</td>
</tr>
<tr>
<td>Project</td>
<td>1</td>
</tr>
<tr>
<td>EEP302</td>
<td>12</td>
</tr>
<tr>
<td>Research Component 1 (Computer Engineering Stream)</td>
<td>12</td>
</tr>
</tbody>
</table>

**Methods of Assessment**
Assessment is undertaken in six coursework units and two research units. The coursework units are common with the Graduate Diploma in Computer Engineering. However, Masters students must undertake an additional research training assessment for each coursework unit. These six additional assessments constitute the Research Component unit. Also, an individual research project under academic supervision must be completed. Candidates who have completed the Graduate Diploma in Computer Engineering will be required to complete both the Project and the Research Component, undertaking additional assessment for each coursework unit credited towards the Graduate Diploma.

**COMPUTER ENGINEERING STREAM**

**Full-Time Course Structure**

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1, Semester 1</td>
<td></td>
</tr>
<tr>
<td>EEP101</td>
<td>Algorithms for Control Engineering</td>
</tr>
<tr>
<td>EEP102</td>
<td>Unix &amp; C for Engineers</td>
</tr>
<tr>
<td>EEP124</td>
<td>Data Communications</td>
</tr>
<tr>
<td>Select one unit from the following:</td>
<td></td>
</tr>
<tr>
<td>EEP129</td>
<td>Image Processing &amp; Computer Vision</td>
</tr>
<tr>
<td>EEP137</td>
<td>Advanced Topic A</td>
</tr>
<tr>
<td>Year 1, Semester 2</td>
<td></td>
</tr>
<tr>
<td>EEP104</td>
<td>Real-time Operating Systems</td>
</tr>
<tr>
<td>EEP301</td>
<td>Project</td>
</tr>
<tr>
<td>EEP302</td>
<td>Research Component 1</td>
</tr>
</tbody>
</table>
Select one unit from the following:
EEP120 Networks & Distributed Computing 12 3
EEP127 Advanced Topic B 12 3

**Part-Time Course Structure**

**Year 1, Semester 1**
EEP101 Algorithms for Control Engineering 12 3
Select one unit from the following:
EEP102 Unix & C for Engineers 12 3
EEP137 Advanced Topic A 12 3

**Year 1, Semester 2**
EEP104 Real-time Operating Systems 12 3
Select one unit from the following:
EEP120 Networks & Distributed Computing 12 3
EEP127 Advanced Topic B 12 3

**Year 2, Semester 1**
EEP124 Data Communications 12 3
EEP129 Image Processing & Computer Vision 12 3

**Year 2, Semester 2**
EEP301 Project 12 1
EEP302 Research Component 1 12

**COMMUNICATION ENGINEERING STREAM**

**Full-Time Course Structures**

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEP126 Communications Digital Signal Processing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EEP135 Advanced Digital Signal Processing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EEP137 Advanced Topic A</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Elective Unit</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

**Year 1, Semester 2**
EEP127 Advanced Topic B 12 3
EEP128 Detection & Estimation 12 3
EEP301 Project 12 3
EEP303 Research Component 2 12

**Part-Time Course Structure**

**Year 1, Semester 1**
EEP126 Communications Digital Signal Processing 12 3
EEP135 Advanced Digital Signal Processing 12 3

**Year 1, Semester 2**
EEP127 Advanced Topic B 12 3
EEP128 Detection & Estimation 12 3

**Year 2, Semester 1**
EEP137 Advanced Topic A 12 3
Mathematics Elective Unit 12 3

**Year 2, Semester 2**
EEP301 Project 12 1
EEP303 Research Component 2 12

**Advanced Topics A and B Unit List**
Advanced Topics will vary from year to year depending on staff areas of interest. They may include topics from the following list. Only one of these units will be offered per semester. Other units at a suitable academic level may be substituted, with the approval of the Course Coordinator.

EEP103 Computer Hardware & Interfacing
EEP121 Parallel & Supercomputing
EEP123 Process Control & Robotics
EEP125 Advanced Engineering Software Tools
Any core unit of other stream
Master of Engineering Science (Electricity Supply Engineering) (EE78)

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Tuition Fees (Domestic Students): $142 per credit point for day/evening classes (fees for short-courses and resource-based learning units available on application to School of Electrical and Electronic Systems Engineering) plus a $1000 thesis supervision charge

Course Coordinator: Dr David Birtwhistle

Entry Requirements

(i) a Bachelor degree in Electrical Engineering and at least second class Honours with a study of power subjects to third year level, or

(ii) students with the degree qualification, but who do not have second class Honours may transfer from the Graduate Diploma (Electricity Supply) after completing 48 credit points with a grade point average (GPA) of 5.0 or greater

(iii) students seeking admission to Master of Engineering Science will only be enrolled if they have a firm offer of a supervised industry placement.

Full-time course structure

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>48</td>
<td>12</td>
</tr>
</tbody>
</table>

Year 1, Semester 1

12 Units (selected from List 1)

Year 1, Semester 2

EEP230 Thesis A<sup>5</sup> 12 3
EEP231 Thesis B<sup>5</sup> 12 3
6 Units (selected from List 1) 24 6

Part-time course structure

Year 1, Semester 1

6 Units (selected from List 1) 24 6

Year 1, Semester 2

6 Units (selected from List 1) 24 6

Year 2, Semester 1

EEP230 Thesis A<sup>5</sup> 12 3
3 Units (selected from List 1) 12 3

Year 2, Semester 2

EEP231 Thesis B<sup>5</sup> 12 3
3 Units (selected from List 1) 12 3

List 1: Units

<table>
<thead>
<tr>
<th>Weeks</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
</tbody>
</table>

EEP201 Fundamentals of Power System Earthing
EEP202 Thermal Ratings & Heat Transfer
EEP204 Power System Load Flow Analysis
EEP213 Statistics
EEP240 Organisation and Financial Management in the Electricity Supply Industry
EEP203 Testing & Condition Monitoring
EEP205 Power System Fault Calculations
EEP208 Economic Analysis for Power Systems Engineers
EEP210 Abnormal System Voltages

<sup>5</sup> Students must complete 100 days of supervised professional practice. The thesis is related to this industry experience.
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Semester</th>
<th>Credit Points</th>
<th>Hours of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEP247</td>
<td>Introduction to Plant Control in Industry &amp; Power Generation</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP206</td>
<td>Project Management</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP209</td>
<td>Power System Harmonics</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP218</td>
<td>Introduction to Automated System Control &amp; Supervisory Systems (SCADA)</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP219</td>
<td>High Voltage Substation Equipment, Power Transformers &amp; Reactive Power Plant</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP243</td>
<td>Contract Administration</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
</tbody>
</table>

**Semester 2**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Semester</th>
<th>Credit Points</th>
<th>Hours of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEP207</td>
<td>Overhead Line Route Selection – Environmental Factors</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP211</td>
<td>Basic Power System Protection</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP215</td>
<td>Reliability</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP221</td>
<td>Limits to Power System Stability</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP244</td>
<td>Circuit Breakers – Switchgear</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP212</td>
<td>Advanced Power System Protection</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP214</td>
<td>Risk Assessment in the Electricity Supply Industry</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP216</td>
<td>Overhead Line Design – Electrical</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP223</td>
<td>Load Forecasting</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP245</td>
<td>Introduction to Substation Design</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP217</td>
<td>Overhead Line Design – Mechanical</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP220</td>
<td>Distribution Planning</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP222</td>
<td>Maintenance of Electricity Supply Systems</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP224</td>
<td>Power System Operation</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP242</td>
<td>Efficient Marketing and Utilisation of Electricity: Demand and Supply Side Solutions</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
</tbody>
</table>

Units available as Resource-based Learning (i.e. Distance Education) with flexible enrolment:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Hours of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEP202</td>
<td>Thermal Ratings and Heat Transfer</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP208</td>
<td>Economic Analysis for Power System Engineers</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP209</td>
<td>Power System Harmonics</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP210</td>
<td>Abnormal System Voltages</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP211</td>
<td>Basic Power System Protection</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP212</td>
<td>Advanced Power System Protection</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP213</td>
<td>Statistics</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP214</td>
<td>Risk Management in the Electricity Supply Industry</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP215</td>
<td>Reliability</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP220</td>
<td>Distribution Planning</td>
<td>4</td>
<td>45</td>
</tr>
</tbody>
</table>

Units in this course have been accepted by industry as approved training modules.

Credit points may be accumulated towards this award from day/evening classes (3 hours per week x 5 weeks), flexible enrolment in Resource-based Learning (i.e. Distance Education) units or from units taken as short-courses (conducted in June/July and November/December). Further information on units available as Resource-based Learning or short-courses can be obtained by contacting Mr Lyle McKinnon, School of Electrical and Electronic Systems Engineering, on (07) 3864 1632.

**Master of Engineering Science (Engineering Management) (ME76)**

**Location:** Gardens Point

**Course Duration:** 1 year full-time, 2 years part-time

**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Professor Walter Wong

A similar course (ME77) is offered in Singapore in conjunction with Crossfields Asia Pacific Pty Ltd.
### Entry Requirements

A Bachelors degree in Engineering (or its equivalent).

Part-time students are expected to be employed in some professional engineering capacity during the day and to carry out their QUT studies at night.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEN177 Total Quality Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEN280 Engineering Project Management</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two units from the following:

- MEN171 Advanced Manufacturing Technologies (12 credits, 3 Contact Hrs/Wk)
- MEN241 Reliability and Maintenance Management (12 credits, 3 Contact Hrs/Wk)
- MEN190/1 Project (6 credits, 3 Contact Hrs/Wk)

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEN172 Cost Analysis and Asset Management</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Select three units from the following:

- MEN170 Systems Modelling & Simulation (12 credits, 3 Contact Hrs/Wk)
- MEN175 Energy and Environmental Management (12 credits, 3 Contact Hrs/Wk)
- MEN270 Manufacturing Resource Planning (12 credits, 3 Contact Hrs/Wk)
- MEN190/2 Project (6 credits, 3 Contact Hrs/Wk)

### Part-Time Course Structure

**Year 1, Semester 1**

- MEN177 Total Quality Management (12 credits, 3 Contact Hrs/Wk)

Select one unit from the following:

- MEN171 Advanced Manufacturing Technologies (12 credits, 3 Contact Hrs/Wk)
- MEN241 Reliability and Maintenance Management (12 credits, 3 Contact Hrs/Wk)
- MEN190/1 Project (6 credits, 3 Contact Hrs/Wk)

**Year 1, Semester 2**

- MEN172 Cost Analysis and Asset Management (12 credits, 3 Contact Hrs/Wk)

Select one unit from the following:

- MEN170 Systems Modelling & Simulation (12 credits, 3 Contact Hrs/Wk)
- MEN175 Energy and Environmental Management (12 credits, 3 Contact Hrs/Wk)
- MEN270 Manufacturing Resource Planning (12 credits, 3 Contact Hrs/Wk)
- MEN190/2 Project (6 credits, 3 Contact Hrs/Wk)

**Year 2, Semester 1**

- MEN280 Engineering Project Management (12 credits, 3 Contact Hrs/Wk)

Select one unit from the following:

- MEN171 Advanced Manufacturing Technologies (12 credits, 3 Contact Hrs/Wk)
- MEN241 Reliability and Maintenance Management (12 credits, 3 Contact Hrs/Wk)
- MEN190/1 Project (6 credits, 3 Contact Hrs/Wk)

**Year 2, Semester 2**

Select two units from the following:

- MEN170 Systems Modelling & Simulation (12 credits, 3 Contact Hrs/Wk)
- MEN175 Energy and Environmental Management (12 credits, 3 Contact Hrs/Wk)
- MEN270 Manufacturing Resource Planning (12 credits, 3 Contact Hrs/Wk)
- MEN190/2 Project (6 credits, 3 Contact Hrs/Wk)

### Master of Engineering Science (Engineering Management) (ME77) – Singapore

**Location:** Singapore (Organised by Crossfields Asia Pacific Pty Ltd)

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6 Students must take MEN190 unless they obtain the permission of the Head of School, Mechanical, Manufacturing and Medical Engineering not to do so. MEN190 is a two semester project.
Aim
The aim of the course is to provide engineers with an introduction to management methods and systems of key relevance to the engineering profession. Particular emphasis is given to manufacturing management and technology; and to maintenance, quality and reliability.

Course Outline
The course consists of eight units, of which two are project units and six are coursework units. The coursework units are offered on a block basis. Each block occupies two weeks with lectures each evening Monday to Friday.

For further information about the course, please contact Professor Walter Wong on (07) 3864 2453.

Master of Landscape Architecture (PS71)

Location: Gardens Point campus

Course Duration: 2½ years full-time or 5 years part-time (excluding any Masters Qualifying Units)

Total Credit Points: 228 (excluding any Masters Qualifying Units)

Standard Credit Points/Full-time Semester:
Semesters 1 & 2: 48
Semesters 3 & 4: 48 minimum, 60 maximum
Semester 5: 12 minimum, 24 maximum

Course Coordinator: Mr Glenn Thomas

Entry Requirements
To be eligible for normal admission an applicant must:
(i) hold a degree requiring at least three years’ full-time (or its equivalent) study and completed with a Grade Point Average of at least 5.0 on a seven-point scale; or
(ii) other documented qualifications and experience considered as equivalent by the Head of School; and, in addition but not necessarily before applying for admission, minimum knowledge and skills in design principles, freehand graphics, technical drawing and computer literacy as set out in the relevant Coursebook equivalent to a matriculation level in appropriate subject area or demonstrated equivalent approved by the Head of School.

Graduates of the Bachelor of Built Environment (Landscape Architecture) considered eligible for direct entry under the above criteria will be granted block credit for the first 96 credit points of the course on admission.

Professional Recognition
Provisional professional accreditation for the course has been granted by the Australian Institute of Landscape Architects.

<table>
<thead>
<tr>
<th>Full-Time Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSP020 Landscape Studies 1</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>PSP021 Landscape Studies 2</td>
<td>12</td>
<td>7</td>
</tr>
<tr>
<td>PSP212 User &amp; Character Design Studies</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>PSP251 Landscape Construction 1</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td><strong>Year 1, Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSP022 Landscape Studies 3</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>PSP023 Landscape Studies 4</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>PSP213 Site Planning</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>PSP252 Landscape Construction 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Year 2, Semester 1</strong></td>
<td></td>
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<tr>
<td>PSP024 Advanced Landscape Studies 1</td>
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<tr>
<td>PSP025 Advanced Landscape Studies 2</td>
<td>12</td>
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<tr>
<td>PSP214 Residential Landscape Design</td>
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<tr>
<td>PSP215 Urban Landscape Design</td>
<td>12</td>
<td>3</td>
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</table>
Year 2, Semester 2
PSP026 Advanced Landscape Studies 3 12 7
PSN211 Research Project 17 12 3
PSN213 Specialisation7 12 3

Year 3, Semester 1 (or 2)
PSN212 Research Project 27 12 3
PSN214 Electives7 12 3

For students upgrading an existing Professional qualification the following Masters Qualifying Units are required (credit in all or part maybe granted at the discretion of the Head of School).

PSN207 Preparatory Specialisation 17 12 3
PSN208 Preparatory Specialisation 27 12 3
PSN209 Preparatory Electives 17 12 3
PSN210 Preparatory Electives 27 12 3

Part-Time Course Structure

Year 1, Semester 1
PSP020 Landscape Studies 1 12 6
PSP251 Landscape Construction 1 12 4

Year 1, Semester 2
PSP022 Landscape Studies 3 12 4
PSP252 Landscape Construction 2 12 3

Year 2, Semester 1
PSP021 Landscape Studies 2 12 7
PSP212 User & Character Design Studies 12 6

Year 2, Semester 2
PSP023 Landscape Studies 4 12 5
PSP213 Site Planning 12 4

Year 3, Semester 1
PSP024 Advanced Landscape Studies 1 12 6
PSP214 Residential Landscape Design 12 3

Year 3, Semester 2
PSP026 Advanced Landscape Studies 3 12 7
PSP216 Landscape Planning 12 4

Year 4, Semester 1
PSP025 Advanced Landscape Studies 2 12 4
PSP215 Urban Landscape Design 12 3

Year 4, Semester 2
PSP027 Advanced Landscape Studies 4 12 3

Masters Level Units
Year 1, Semester 1
PSN211 Research Project 1 12 3
PSN213 Specialisation 12 3

Year 1, Semester 2
PSN212 Research Project 27 12 3
PSN214 Electives7 12 3

For students upgrading an existing Professional qualification the following Masters Qualifying Units are required (credit in all or part maybe granted at the discretion of the Head of School).

PSN207 Preparatory Specialisation 17 12 3
PSN208 Preparatory Specialisation 27 12 3
PSN209 Preparatory Electives 17 12 3
PSN210 Preparatory Electives 27 12 3

7 Contact time allocations for these units are nominal only.
Master of Project Management (CN77)

Similar courses are offered in Singapore (CN78) and Kuala Lumpur (CN79).

Location: Gardens Point campus

Course Duration: 1.5 years full-time, 3 years part-time

Total Credit Points: 144

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor Danny Then

The first two semesters full-time or four semesters part-time are identical to the Graduate Diploma in Project Management (CN64). Persons admitted to the Master of Project Management who are graduates of the Graduate Diploma in Project Management will be required to complete CNN441 (one semester full-time) or CNN442 (two semesters part-time).

Entry Requirements

Applicants for admission shall hold:

(i) an approved Bachelor degree and demonstrated potential in professional activity to undertake a Masters degree course, or

(ii) a Bachelor degree and a relevant graduate diploma or qualifying program with a grade point average of 5.0 or better, or

(iii) qualifications deemed equivalent to (i) or (ii) by the Dean of Faculty on the recommendation of the Course Coordinator, and

(iv) shall normally have at least three years of appropriate industry experience after graduation.

As the coursework components of the Graduate Diploma in Project Management and the Master of Project Management are identical, students may transfer from the Graduate Diploma to the Masters degree program providing that they have a grade point average of 5.0 or better and quota places are available. Students are normally required to apply for transfer at the completion of a minimum of one semester (48 credit points) of the Graduate Diploma.

At the completion of the coursework component of the Masters degree program but before the completion of the Dissertation, students have the option of electing to graduate with the Graduate Diploma in Project Management.

The Graduate Diploma in Project Management has majors in Project Management and Property Development. These areas are also available as majors within the Masters degree program.

Note: Whilst the unit CNN441 (or CNN442) Dissertation incorporates the unit IFN001 Advanced Information Retrieval Skills, it is recommended that IFN001 be completed prior to the commencement of the Masters degree program or as early in the first semester as possible. The credit point value of IFN001 is incorporated in the credit point value of CNN441 (or CNN442).

All units shown are compulsory core units. Twelve credit point subjects are to be undertaken as two consecutive semesters of study. They cannot be undertaken as one-semester units. Students may undertake additional elective units or replace core units for which credit has been formally approved with other units available throughout the University. These units should be offered at a postgraduate level, or in some cases, at an advanced undergraduate level. Variations to the recommended study program require prior approval from the Course Coordinator.

School electives are offered subject to an appropriate enrolment in each semester.

PROJECT MANAGEMENT MAJOR

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP426/1 Project Development</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP429 Cost Management &amp; Economics</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP430/1 Current Issues</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP431/1 Project Management</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>
### Year 1, Semester 2
- CNP406 International Project Management 6 2
- CNP426/2 Project Development 6 2
- CNP430/2 Current Issues 6 2
- CNP431/2 Project Management 6 2
- CNP433/2 Project Management Law 6 2
- Two electives selected from List B 12 4

### Year 2, Semester 1
- CNP406 International Project Management 6 2
- CNP426/1 Project Development 6 2
- CNP430/1 Current Issues 6 2
- CNP433/1 Project Management Law 6 2
- An elective unit selected from List A 6 2

### Year 2, Semester 2
- CNP426/2 Project Development 6 2
- CNP430/2 Current Issues 6 2
- CNP433/2 Project Management Law 6 2
- An elective unit selected from List B 6 2

### Year 3, Semester 1
- CNN442/1 Dissertation 24 2

### Year 3, Semester 2
- CNN442/2 Dissertation 24 2

### List A: Semester 1 Elective Units
- CNP400 Management of Technology 6 2
- CNP402 Principles of Valuation 6 2
- CNP403 Property Maintenance & Asset Management 6 2
- CNP417 Design Management 6 2
- CNP439 Property Management 6 2

### List B: Semester 2 Elective Units
- CNP404 Advanced Land Development 6 2
- CNP422 Specialist Valuation 6 2
- CNP667 Applied Computing 6 2
- CNP668 Information Technology in Property & Construction 6 2

### PROPERTY DEVELOPMENT MAJOR

#### Full-Time Course Structure

### Year 1, Semester 1
- CNP402 Principles of Valuation 6 2
- CNP426/1 Project Development 6 2
- CNP430/1 Current Issues 6 2
- CNP431/1 Project Management 6 2
CNP433/1  Project Management Law 6  2
CNP437  Field Trip 6  4 days
CNP439  Property Management 6  2
Two electives selected from List C 12  4

Year 1, Semester 2
CNP426/2  Project Development 6  2
CNP430/2  Current Issues 6  2
CNP431/2  Project Management 6  2
CNP433/2  Project Management Law 6  2
CNP438  Real Estate Investment Analysis 6  2
Two electives selected from List D 12  4

Year 2, Semester 1
CNP426/2  Project Development 6  2
CNP431/2  Project Management 6  2
CNP438  Real Estate Investment Analysis 6  2
An elective unit selected from List C 6  2

Year 2, Semester 2
CNP430/1  Current Issues 6  2
CNP433/1  Project Management Law 6  2
CNP439  Property Management 6  2
An elective unit selected from List C 6  2

Year 3, Semester 1
CNN442/1  Dissertation 24  2

Year 3, Semester 2
CNN442/2  Dissertation 24  2

List C: Semester 1 Elective Units
CNP400  Management of Technology 6  2
CNP403  Property Maintenance & Asset Management 6  2
CNP417  Design Management 6  2
CNP429  Cost Management & Economics 6  2
CNP434  Time Management 6  2

List D: Semester 2 Elective Units
CNP404  Advanced Land Development 6  2
CNP406  International Project Management 6  2
CNP422  Specialist Valuation 6  2
CNP667  Applied Computing 6  2
CNP668  Information Technology in Property & Construction 6  2

Master of Project Management (CN78) – Singapore

Location: Sumbershire Management Consultants Pte Ltd, Singapore

Aim
The course aims to provide professionals with a high level of conceptual understanding of project
management. Depending on the specialisation in project management or property development, study can be divided into areas of applied management, legal studies, economics, integrative studies and research.

**Course Outline**
The course has coursework and research components. The coursework consists of eight structured units covering project development, project management, current issues and investment analysis. Students then undertake individual research in an approved area of specialty. Identification of and solutions to practical problems are emphasised both in the coursework and research components.

For further information on the course, please contact Mr John Hornibrook on (07) 3864 2287.

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### Master of Project Management (CN79) – Kuala Lumpur

**Location:** Amset (M) Sdn Bhd, Kuala Lumpur

**Aim**
The course aims to provide professionals with a high level of conceptual understanding of project management. Depending on the specialisation in project management or property development, study can be divided into areas of applied management, legal studies, economics, integrative studies and research.

**Course Outline**
The course has coursework and research components. The coursework consists of eight structured units covering project development, project management, current issues and investment analysis. Students then undertake individual research in an approved area of specialty. Identification of and solutions to practical problems are emphasised both in the coursework and research components.

For further information on the course, please contact Mr John Hornibrook on (07) 3864 2287.

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### Master of Urban and Regional Planning (PS70)

**Location:** Gardens Point campus

**Course Duration:** Four semesters full-time or eight semesters part-time

**Total Credit Points:** 192

**Standard credit points per full-time semester:** 48

**Course Coordinator:** Dr John Minnery

**Entry Requirements**
To be eligible for consideration for direct entry into the course an applicant must have either:

(i) a recognised tertiary degree requiring at least three years’ full-time study (or its equivalent), or
(ii) other documented qualifications and experience considered to be equivalent by the Head of School.

Applicants may be required to attend an interview, or sit an examination, where appropriate as part of the selection process.

A graduate of the modified Graduate Diploma in Urban and Regional Planning (offered from 1996) may apply to enrol in the Master of Urban and Regional Planning and if accepted will be given credit for Modules A, B and C.

Graduates who completed the Graduate Diploma in Urban and Regional Planning before 1996 will be allowed credit for the new Graduate Diploma in Urban and Regional Planning to enter the Masters program, depending on their grade point average, work experience and length of time which has elapsed since graduation. Such graduates may be required to complete units in the new Graduate Diploma in Urban and Regional Planning. Each case will be treated on its individual merits and will be decided by the Head of School in consultation with the graduate concerned and staff.

**Full-Time Course Structure**
The program is being offered with entry at the start of the year, and from 1997 also through a mid-year (second semester) entry. Students must complete four modules to complete the Masters Degree. Each module is worth 48 credit points, equivalent to one semester full-time or two semesters part-time. Modules may be offered in either first or second semester.
### Module A

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSP501</td>
<td>Environmental Planning &amp; Assessment</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP502</td>
<td>Economic &amp; Social Foundations of Planning</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PSP503</td>
<td>Planning &amp; Research Methods</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP504</td>
<td>Urban Systems &amp; Infrastructure</td>
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### Module B

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<tr>
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<td>Planning in Society</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PSP506</td>
<td>Planning Theory &amp; Ethics</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP507</td>
<td>Planning Procedures &amp; Law</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PSP508</td>
<td>Planning Practice I</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PSP513</td>
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### Module C

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<tr>
<td>PSP509</td>
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<td>PSP510</td>
<td>Specialisation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSN211</td>
<td>Research Project I &amp; Advanced Research Methods</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP512</td>
<td>Planning Practice II</td>
<td>12</td>
<td>3</td>
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<tr>
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### Module D

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<td>PSN221</td>
<td>Advanced Specialisation</td>
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<td>3</td>
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<tr>
<td>PSN212</td>
<td>Research Project II</td>
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<td>PSN223</td>
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### Part-time Course Structure

#### Module A1

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#### Module A2

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<td>PSP504</td>
<td>Urban Systems &amp; Infrastructure</td>
<td>12</td>
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<tr>
<td>PSP502</td>
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#### Module B1

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<tr>
<td>PSP505</td>
<td>Planning in Society</td>
<td>12</td>
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<tr>
<td>PSP506</td>
<td>Planning Theory &amp; Ethics</td>
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#### Module B2

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<td>PSP507</td>
<td>Planning Procedures &amp; Law</td>
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<tr>
<td>PSP508</td>
<td>Planning Practice I</td>
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<tr>
<td>PSP513</td>
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#### Module C1

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<td>PSP509</td>
<td>Regional &amp; Metropolitan Policy</td>
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<td>PSP512</td>
<td>Planning Practice II</td>
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#### Module C2

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<tr>
<td>PSP510</td>
<td>Specialisation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSN211</td>
<td>Research Project I &amp; Advanced Research Methods</td>
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<td>3</td>
</tr>
<tr>
<td>PSP513</td>
<td>Field Trip</td>
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#### Module D1

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<tbody>
<tr>
<td>PSN221</td>
<td>Advanced Specialisation</td>
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<tr>
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#### Module D2

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<tr>
<td>PSN212</td>
<td>Research Project II</td>
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<tr>
<td>PSN223</td>
<td>Special Topics in Planning Method</td>
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</table>

### Notes

PSP510 Specialisation and PSN221 Advanced Specialisation offer specialisations in local and regional development, urban housing and community development, urban design and environmental and resource planning. Other special topics may be offered depending on staff availability.

8 Alternative module locations for a single week-long field trip.
PSN214 Elective allows students to choose an elective unit worth 12 credit points from elsewhere in QUT or at another tertiary institution, subject to approval of the Course Coordinator.

### Graduate Diploma in Computer Engineering (EE65)

**Location:** Gardens Point campus  
**Course Duration:** 1 year full-time, 2 years part-time  
**Total Credit Points:** 96  
**Standard Credit Points/Full-Time Semester:** 48  
**Course Coordinator:** Mr John Edwards

#### Entry Requirements

Applicants must hold a Bachelors degree in Engineering or Computer Science. Applicants possessing a degree in other areas of technology such as Mathematics, Physics or Chemistry may be required to undertake prerequisite undergraduate units.

#### Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>EEP101 Algorithms for Control Engineering</td>
<td>12</td>
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</tr>
<tr>
<td>EEP102 Unix &amp; C for Engineers</td>
<td>12</td>
<td>3</td>
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<tr>
<td>EEP124 Data Communications</td>
<td>12</td>
<td>3</td>
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<tr>
<td>EEP129 Image Processing &amp; Computer Vision</td>
<td>12</td>
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<thead>
<tr>
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<th>Credit Points</th>
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<tbody>
<tr>
<td>EEP103 Computer Hardware &amp; Interfacing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EEP104 Real-time Operating Systems</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EEP120 Networks &amp; Distributed Computing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EEP123 Process Control &amp; Robotics</td>
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#### Part-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>EEP101 Algorithms for Control Engineering</td>
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<td>EEP102 Unix &amp; C for Engineers</td>
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<tbody>
<tr>
<td>EEP103 Computer Hardware &amp; Interfacing</td>
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<td>3</td>
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<tr>
<td>EEP104 Real-time Operating Systems</td>
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<table>
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<td>EEP124 Data Communications</td>
<td>12</td>
<td>3</td>
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<tr>
<td>EEP129 Image Processing &amp; Computer Vision</td>
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<table>
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<tbody>
<tr>
<td>EEP120 Networks &amp; Distributed Computing</td>
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<td>3</td>
</tr>
<tr>
<td>EEP123 Process Control &amp; Robotics</td>
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</table>

### Graduate Diploma in Electricity Supply Engineering (EE60)

**Location:** Gardens Point campus  
**Course Duration:** 1 year full-time, 2 years part-time  
**Total Credit Points:** 96  
**Standard Credit Points/Full-Time Semester:** 48  
**Tuition Fees (Domestic Students):** $142 per credit point for day/evening classes (fees for short-courses and resource-based learning units available on application to School of Electrical and Electronic Systems Engineering)  
**Course Coordinator:** Dr David Birtwhistle

#### Entry requirements

A Bachelor degree in Electrical Engineering with a study of power subjects to third-year level.
### Full-Time Course Structure

**Year 1, Semester 1**  
12 Units (selected from List 1)  

48 12

**Year 1, Semester 2**  
12 Units (selected from List 1)  

48 12

### Part-time Course Structure

**Year 1, Semester 1**  
6 Units (selected from List 1)  

24 6

**Year 1, Semester 2**  
6 Units (selected from List 1)  

24 6

**Year 2, Semester 1**  
6 Units (selected from List 1)  

24 6

**Year 2, Semester 2**  
6 Units (selected from List 1)  

24 6

### List 1: Units

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Weeks</th>
<th>Credit Points</th>
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<tr>
<td><strong>Year 1, Semester 1</strong></td>
<td>EEP201</td>
<td>Fundamentals of Power System Earthing</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>EEP202</td>
<td>Thermal Ratings &amp; Heat Transfer</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>EEP204</td>
<td>Power System Load Flow Analysis</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP213</td>
<td>Statistics</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>EEP240</td>
<td>Organisation and Financial Management in the Electricity Supply Industry</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>EEP203</td>
<td>Testing &amp; Condition Monitoring</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>EEP205</td>
<td>Power System Fault Calculations</td>
<td>6-10</td>
<td>4</td>
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<tr>
<td></td>
<td>EEP208</td>
<td>Economic Analysis for Power Systems Engineers</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>EEP210</td>
<td>Abnormal System Voltages</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>EEP247</td>
<td>Introduction to Plant Control in Industry &amp; Power Generation</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>EEP206</td>
<td>Project Management</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>EEP209</td>
<td>Power System Harmonics</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>EEP218</td>
<td>Introduction to Automated System Control &amp; Supervisory Systems</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>EEP219</td>
<td>High Voltage Substation Equipment, Power Transformers &amp; Reactive Power Plant</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>EEP243</td>
<td>Contract Administration</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
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<tr>
<td><strong>Year 2, Semester 2</strong></td>
<td>EEP207</td>
<td>Overhead Line Route Selection – Environmental Factors</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>EEP211</td>
<td>Basic Power System Protection</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>EEP215</td>
<td>Reliability</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>EEP221</td>
<td>Limits to Power System Stability</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>EEP244</td>
<td>Circuit Breakers – Switchgear</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>EEP212</td>
<td>Advanced Power System Protection</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP214</td>
<td>Risk Assessment in the Electricity Supply Industry</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>EEP216</td>
<td>Overhead Line Design – Electrical</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP223</td>
<td>Load Forecasting</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP245</td>
<td>Introduction to Substation Design</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP217</td>
<td>Overhead Line Design – Mechanical</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP220</td>
<td>Distribution Planning</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP222</td>
<td>Maintenance of Electricity Supply Systems</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP224</td>
<td>Power System Operation</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>EEP242</td>
<td>Efficient Marketing and Utilisation of Electricity: Demand and Supply Side Solutions</td>
<td>11-15</td>
<td>4</td>
<td>3</td>
</tr>
</tbody>
</table>
Units available as Resource-based Learning (i.e. Distance Education) with flexible enrolment:

<table>
<thead>
<tr>
<th>Units</th>
<th>Credit Points</th>
<th>Hours of Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEP202 Thermal Ratings and Heat Transfer</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP208 Economic Analysis for Power System Engineers</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP209 Power System Harmonics</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP210 Abnormal System Voltages</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP211 Basic Power System Protection</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP212 Advanced Power System Protection</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP213 Statistics</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP214 Risk Management in the Electricity Supply Industry</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP215 Reliability</td>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>EEP216 Distribution Planning</td>
<td>4</td>
<td>45</td>
</tr>
</tbody>
</table>

Units in this course have been accepted by industry as approved training modules.

Credit points may be accumulated towards this award from day/evening classes (3 hours per week x 5 weeks), flexible enrolment in Resource-based Learning (i.e. Distance Education) units or from studies taken as short-courses (conducted in June/July and November/December). Further information on units available as Resource-based Learning or short-courses can be obtained by contacting Mr Lyle McKinnon, School of Electrical and Electronic Systems Engineering, on (07) 3864 1632.

Graduate Diploma in Industrial Design (AR61)

**Location:** Gardens Point campus

**Course Duration:** 1 year full-time, 2 years part-time

**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Associate Professor Vesna Popovic

**Entry Requirements**

To be eligible for admission, an applicant must:

(i) hold an approved degree or diploma from a recognised tertiary institution; or

(ii) have attained professional recognition by an equivalent course of study or examination.

**Professional Recognition**

The Graduate Diploma in Industrial Design has been accredited by the Design Institute of Australia (DIA). Graduates are eligible for Associate membership on graduation.

**Full-Time Course Structure**

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARP613 Advanced Ergonomics 1</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>ARP670 Elective A*</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>ARP672 Industrial Design 1</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>ARP674 Industrial Design Research 1</td>
<td>18</td>
<td>8</td>
</tr>
<tr>
<td>ARP676 Advanced Computer-Aided Industrial Design 1</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARP623 Advanced Ergonomics 2</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>ARP654 Professional Practice and Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>ARP673 Industrial Design 2</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>ARP675 Industrial Design Research 2</td>
<td>18</td>
<td>8</td>
</tr>
<tr>
<td>ARP677 Advanced Computer-Aided Industrial Design 2</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>

**Part-Time Course Structure**

**Year 1, Semester 1**

| ARP613 Advanced Ergonomics 1 | 6             | 2              |
| ARP672 Industrial Design 1 | 12            | 6              |
| ARP676 Advanced Computer-Aided Industrial Design 1 | 6             | 2              |
Year 1, Semester 2
ARP623 Advanced Ergonomics 2 6 2
ARP673 Industrial Design 2 12 6
ARP677 Advanced Computer-Aided Industrial Design 2 6 2

Year 2, Semester 1
ARP670 Elective A* 6 2
ARP674 Industrial Design Research 1 18 8

Year 2, Semester 2
ARP654 Professional Practice and Management 6 2
ARP675 Industrial Design Research 2 18 8

*Elective Units
All electives undertaken must have the prior approval of the Course Coordinator.

Graduate Diploma in Interior Design (AR62)

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Ms Jill Franz

Entry Requirements
To be eligible for admission, an applicant must:
(i) hold an approved degree or diploma from a recognised tertiary institution, or
(ii) have attained professional recognition by an equivalent course of study or examination.

Professional Recognition
The Graduate Diploma in Interior Design has been accredited by the Design Institute of Australia.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARP502</td>
<td>Advanced Interior Design 1</td>
<td>18</td>
</tr>
<tr>
<td>ARP508</td>
<td>Professional Studies 1</td>
<td>18</td>
</tr>
<tr>
<td>ARP606</td>
<td>Elective 1*</td>
<td>6</td>
</tr>
<tr>
<td>ARP608</td>
<td>Theory &amp; Criticism</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARP503</td>
<td>Advanced Interior Design 2</td>
<td>18</td>
</tr>
<tr>
<td>ARP604</td>
<td>Conservation of Historic Interiors</td>
<td>18</td>
</tr>
<tr>
<td>ARP605</td>
<td>Professional Studies 2</td>
<td>6</td>
</tr>
<tr>
<td>ARP607</td>
<td>Elective 2*</td>
<td>6</td>
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</tbody>
</table>

Part-Time Course Structure

Year 1, Semester 1
ARP502 Advanced Interior Design 1 18 6
ARP606 Elective 1* 6 2

Year 1, Semester 2
ARP503 Advanced Interior Design 2 18 6
ARP607 Elective 2* 6 2

Year 2, Semester 1
ARP508 Professional Studies 1 18 6
ARP608 Theory & Criticism 6 2

Year 2, Semester 2
ARP604 Conservation of Historic Interiors 18 6
ARP605 Professional Studies 2 6 2

*Elective Units
All electives undertaken must have prior approval of the Course Coordinator.
Graduate Diploma in Landscape Architecture (PS66)

Location: Gardens Point campus

Course Duration: 2 years full-time, 4 years part-time

Total Credit Points: 192

Standard Credit Points/Full-time semester: 48

Course Coordinator: Mr Glenn Thomas

Entry Requirements

To be eligible for normal admission, an applicant must:

(i) hold a degree or diploma from a recognised tertiary institution, or
(ii) have attained professional recognition by a course of study or examination.

Special entry provisions also apply. Prior to beginning studies in the course (but not necessarily prior to application for admission) applicants are required to have appropriate skills and knowledge in basic design/perception, free-hand graphics, and technical drawing.

Graduates of the Bachelor of Built Environment (Landscape Architecture) are credited with Year 1 (full-time) or Years 1 and 2 (part-time). Students from other backgrounds may be granted credit as appropriate to their education and experience.

Professional Recognition

The Graduate Diploma in Landscape Architecture is accredited by the Australian Institute of Landscape Architects.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>PSP020 Landscape Studies 1</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>PSP021 Landscape Studies 2</td>
<td>12</td>
<td>7</td>
</tr>
<tr>
<td>PSP212 User &amp; Character Design Studies</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>PSP251 Landscape Construction 1</td>
<td>12</td>
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</table>

<table>
<thead>
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<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
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<tbody>
<tr>
<td>PSP022 Landscape Studies 3</td>
<td>12</td>
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<tr>
<td>PSP023 Landscape Studies 4</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>PSP213 Site Planning</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>PSP252 Landscape Construction 2</td>
<td>12</td>
<td>3</td>
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<table>
<thead>
<tr>
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<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSP024 Advanced Landscape Studies 1</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>PSP025 Advanced Landscape Studies 2</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>PSP214 Residential Landscape Design</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP215 Urban Landscape Design</td>
<td>12</td>
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<table>
<thead>
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<th>Year 2, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tr>
<td>PSP026 Advanced Landscape Studies 3</td>
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<td>PSP027 Advanced Landscape Studies 4</td>
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<tr>
<td>PSP216 Landscape Planning</td>
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<td>4</td>
</tr>
<tr>
<td>PSP219 Advanced Landscape Design</td>
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</table>

Part-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSP020 Landscape Studies 1</td>
<td>12</td>
<td>6</td>
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<tr>
<td>PSP251 Landscape Construction 1</td>
<td>12</td>
<td>4</td>
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</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>PSP022 Landscape Studies 3</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>PSP252 Landscape Construction 2</td>
<td>12</td>
<td>3</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>PSP211 Landscape Studies 2</td>
<td>12</td>
<td>7</td>
</tr>
<tr>
<td>PSP212 User &amp; Character Design Studies</td>
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<td>6</td>
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</tbody>
</table>
Year 2, Semester 2
PSP023 Landscape Studies 4 12 5
PSP213 Site Planning 12 4

Year 3, Semester 1
PSP024 Advanced Landscape Studies 1 12 6
PSP214 Residential Landscape Design 12 3

Year 3, Semester 2
PSP026 Advanced Landscape Studies 3 12 7
PSP216 Landscape Planning 12 4

Year 4, Semester 1
PSP025 Advanced Landscape Studies 2 12 4
PSP215 Urban Landscape Design 12 3

Year 4, Semester 2
PSP027 Advanced Landscape Studies 4 12 3
PSP219 Advanced Landscape Design 12 4

Graduate Diploma in Municipal Engineering (CE63)

Location: Gardens Point campus

Course Duration: 2 years part-time

Total Credit Points: 96

Standard Credit Points/Part-Time Semester: 24

Course Coordinator: Dr Luis Ferreira

Entry Requirements
To be eligible for admission an applicant must hold an acceptable degree or diploma in engineering from a recognised institution.

Applicants who do not meet the requirements for normal entry but who hold a degree or diploma in a scientific or technological field or other equivalent qualifications or hold professional engineering recognition may be required to complete such prerequisite engineering units as may be determined by the Head of the School of Civil Engineering prior to enrolment in the course.

Course Structure
The course has four majors. It consists of 40 credit points (10 semester hours) of core material common to all majors and a minimum of 56 credit points (14 semester hours) of material prescribed for majors. The majority of the units are common with the Master of Engineering Science (Civil) (CE74).

Students may transfer from the Graduate Diploma in Municipal Engineering to the Master of Engineering Science (Civil). For further details on the transfer arrangement refer to the Master of Engineering (Civil) entry in this Handbook.

Students who do not wish to undertake a major must complete the core units plus any combination of units from the majors totalling at least 56 credit points. Programs should be devised in consultation with the Course Coordinator.

Graduates who have completed the prescribed units for a major will have their award certificates and academic transcripts endorsed ‘Majoring in ...’.

Course Structure – ALL MAJORS

<table>
<thead>
<tr>
<th>Semester of Offer</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

Year 1, Semester 1
CEP128 Municipal Engineering Planning\(^3\) 1 12 3
CEP131 Engineering Management & Administration 1 12 3

Year 1, Semester 2
CEP200 Process Modelling 2 8 2
CEP361 Drainage Engineering\(^4\) 2 8 2

\(^3\) Indicates units are offered in even years.

\(^4\) Indicates units are offered in odd years.
Year 2, Semester 1
Units chosen from major 24

Year 2, Semester 2
Units chosen from major 24

ENVIRONMENTAL ENGINEERING MAJOR (EVN)
CEP172 Water Quality Engineering\(^3\) 1 8 2
CEP174 Public Health Engineering Practice\(^4\) 1 12 3
CEP276 Advanced Treatment Processes\(^4\) 2 8 2
CEP277 Waste Management\(^3\) 2 12 3
CEP290 Environmental Law & Assessment 2 8 2
CHP691 Environmental Chemistry 2 8 2

LOCAL GOVERNMENT ENGINEERING MAJOR (LGN)
CEP107 Construction Management & Economics\(^4\) 1 8 2
CEP109 Municipal Law & Regulations\(^3\) 2 8 2
CEP127 Road & Traffic Engineering\(^4\) 1 12 3
CEP174 Public Health Engineering Practice\(^4\) 1 12 3

Plus units totalling at least 16 credit points from any other major.\(^9\)

PUBLIC HEALTH ENGINEERING MAJOR (PHN)
CEP172 Water Quality Engineering\(^3\) 1 8 2
CEP174 Public Health Engineering Practice\(^4\) 1 12 3
CEP276 Advanced Treatment Processes\(^4\) 2 8 2
CEP277 Waste Management\(^3\) 2 12 3

Plus units totalling at least 16 credit points from any other major.\(^9\)

TRANSPORTATION ENGINEERING MAJOR (TRN)
CEP127 Road & Traffic Engineering\(^4\) 1 12 3
CEP215 Advanced Traffic Engineering\(^4\) 2 8 2
CEP218 Transportation Engineering\(^3\) 1 12 3
CEP310 Urban Transportation Planning\(^3\) 2 8 2

Plus units totalling at least 16 credit points from any other major.\(^9\)

Graduate Diploma in Project Management (CN64)

Similar courses are offered in Singapore (CN65) and Kuala Lumpur (CN66).

**Location:** Gardens Point campus

**Course Duration:** 1 year full-time, 2 years part-time

**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Associate Professor Danny Then

**Entry Requirements**

To be eligible for admission an applicant must:

(i) hold an approved degree or diploma from a recognised tertiary institution, or

(ii) have attained professional recognition by an equivalent course of study or examination, and

(iii) have a minimum of three years’ relevant experience after graduation.

(iv) Special entry at the discretion of the Course Coordinator may be granted where an equivalent course of study or examination cannot be readily established. This may involve a qualifying examination.

\(^3\) *Indicates units are offered in even years.*

\(^4\) *Indicates units are offered in odd years.*

\(^9\) *Includes CEP 491 Municipal Engineering Practice (16 credit points and 4 contact hours) which is available in any semester.*
The Graduate Diploma in Project Management has majors in Project Management and Property Development. These areas are also available as majors within the Masters degree program.

**Note:** It is strongly recommended that all graduate diploma students complete the unit IFN001 Advanced Information Retrieval Skills before commencing the course or early in Semester 1. The credit points of this unit will not be included in the total credit points which must be completed for the award of the Graduate Diploma.

All units shown are compulsory core units. Twelve credit point units are to be undertaken as two consecutive semesters of study. They cannot be undertaken as one semester units. Students may undertake additional elective units or replace core units for which credit has been formally approved with other units available throughout the University. These units should be offered at a postgraduate level, or in some cases, at an advanced undergraduate level. Variations to the recommended study program require prior approval from the Course Coordinator.

School electives are offered subject to an appropriate enrolment in each semester.

### Project Management Major

**Full-Time Course Structure**

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP426/1 Project Development</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP429 Cost Management &amp; Economics</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP430/1 Current Issues</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP431/1 Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP433/1 Project Management Law</td>
<td>6</td>
<td>2</td>
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<tr>
<td>CNP434 Time Management</td>
<td>6</td>
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<tr>
<td>CNP437 Field Trip</td>
<td>6</td>
<td>4 days</td>
</tr>
<tr>
<td>Two electives selected from List A</td>
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<tr>
<th>Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>CNP406 International Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP426/2 Project Development</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP430/2 Current Issues</td>
<td>6</td>
<td>2</td>
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<tr>
<td>CNP431/2 Project Management</td>
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<td>2</td>
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<tr>
<td>CNP433/2 Project Management Law</td>
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<tr>
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**Part-Time Course Structure**

**Year 1, Semester 1**

| CNP429 Cost Management & Economics | 6         | 2 |
| CNP431/1 Project Management        | 6         | 2 |
| CNP434 Time Management             | 6         | 2 |
| CNP437 Field Trip                  | 6         | 4 days |
| An elective unit selected from List A |          | 6  |

**Year 1, Semester 2**

| CNP406 International Project Management | 6         | 2 |
| CNP431/2 Project Management            | 6         | 2 |
| An elective unit selected from List B  | 6         | 2 |

**Year 2, Semester 1**

| CNP426/1 Project Development          | 6         | 2 |
| CNP430/1 Current Issues               | 6         | 2 |
| CNP433/1 Project Management Law       | 6         | 2 |
| An elective unit selected from List A | 6         | 2 |

**Year 2, Semester 2**

| CNP426/2 Project Development          | 6         | 2 |
| CNP430/2 Current Issues               | 6         | 2 |
| CNP433/2 Project Management Law       | 6         | 2 |
| An elective unit selected from List B | 6         | 2 |

**List A: Semester 1 Elective Units**

| CNP400 Management of Technology      | 6         | 2 |
| CNP402 Principles of Valuation       | 6         | 2 |
CNP403 Property Maintenance & Asset Management 6 2
CNP417 Design Management 6 2
CNP439 Property Management 6 2

List B: Semester 2 Elective Units
CNP404 Advanced Land Development 6 2
CNP422 Specialist Valuation 6 2
CNP667 Applied Computing 6 2
CNP688 Information Technology in Property & Construction 6 2

PROPERTY DEVELOPMENT MAJOR

Full-Time Course Structure

Year 1, Semester 1
CNP402 Principles of Valuation 6 2
CNP426/1 Project Development 6 2
CNP430/1 Current Issues 6 2
CNP431/1 Project Management 6 2
CNP433/1 Project Management Law 6 2
CNP437 Field Trip 6 4 days
CNP439 Property Management 6 2
Two electives selected from List C 12 4

Year 1, Semester 2
CNP426/2 Project Development 6 2
CNP430/2 Current Issues 6 2
CNP431/2 Project Management 6 2
CNP433/2 Project Management Law 6 2
CNP438 Real Estate Investment Analysis 6 2
Two electives selected from List D 12 4

Part-Time Course Structure

Year 1, Semester 1
CNP402 Principles of Valuation 6 2
CNP426/1 Project Development 6 2
CNP431/1 Project Management 6 2
CNP437 Field Trip 6 4 days
An elective unit selected from List C 6 2

Year 1, Semester 2
CNP426/2 Project Development 6 2
CNP431/2 Project Management 6 2
CNP438 Real Estate Investment Analysis 6 2

Year 2, Semester 1
CNP430/1 Current Issues 6 2
CNP433/1 Project Management Law 6 2
CNP439 Property Management 6 2
An elective unit selected from List C 6 2

Year 2, Semester 2
CNP430/2 Current Issues 6 2
CNP433/2 Project Management Law 6 2
Two electives selected from List D 12 4

List C: Semester 1 Elective Units
CNP400 Management of Technology 6 2
CNP403 Property Maintenance & Asset Management 6 2
CNP417 Design Management 6 2
CNP429 Cost Management & Economics 6 2
CNP434 Time Management 6 2

List D: Semester 2 Elective Units
CNP404 Advanced Land Development 6 2
CNP406 International Project Management 6 2
CNP422 Specialist Valuation 6 2
Graduate Diploma in Project Management (CN65) – Singapore

**Location:** Sumbershire Management Consultants Pte Ltd, Singapore

**Aim**
The course aims to provide professionals with a sound appreciation of the overall management processes involved in project and property development industries. Particular emphasis is given to the service role of project management in order to optimise the use of resources and to plan, control, deliver and coordinate all aspects of a project or a product which will meet clients’ requirement of function, cost, time and quality.

**Course Outline**
There are two specialist majors – Project Management and Property Development.

Coursework is divided into eight units under the following headings:

- Management – project, time and cost management
- Design – management of the design process
- Law – project management law
- Economics – real estate investment and economics, specialist valuations, feasibility
- Integrative studies – current issues, computer applications.

Identification of and solutions to practical problems are emphasised both in teaching and learning of these units. Students completing this course will have the opportunity to undertake research and obtain a Masters degree in project management.

For further information on the course, please contact Mr John Hornibrook on (07) 3864 2287.

Graduate Diploma in Project Management (CN66) – Kuala Lumpur

**Location:** Amset (M) Sdn Bhd, Kuala Lumpur

**Aim**
The course aims to provide professionals with a sound appreciation of the overall management processes involved in project and property development industries. Particular emphasis is given to the service role of project management in order to optimise the use of resources and to plan, control, deliver and coordinate all aspects of a project or a product which will meet clients’ requirement of function, cost, time and quality.

**Course Outline**
There are two specialist majors – Project Management and Property Development.

Coursework is divided into eight units under the following headings:

- Management – project, time and cost management
- Design – management of the design process
- Law – project management law
- Economics – real estate investment and economics, specialist valuations, feasibility
- Integrative studies – current issues, computer applications.

Identification of and solutions to practical problems are emphasised both in teaching and learning of these units. Students completing this course will have the opportunity to undertake research and obtain a Masters degree in project management.

For further information on the course, please contact Mr John Hornibrook on (07) 3864 2287.
Graduate Diploma in Surveying Practice (PS68)

Location: Gardens Point campus

Course Duration: 1 year full-time (34 weeks)

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor Brian Hannigan

Professional Recognition

Successful completion of the course leads to licensing by the Surveyors Board of Queensland.

Entry Requirements

To be eligible for admission an applicant must hold the following:

(i) a Bachelor of Applied Science (Surveying) degree from the Queensland University of Technology, or
(ii) a Bachelor of Surveying degree from the University of Queensland, or
(iii) from another tertiary institution a degree acceptable to the Surveyors Board of Queensland and considered by the Head of the School of Planning, Landscape Architecture and Surveying to be at least equivalent to QUT's Bachelor of Applied Science (Surveying) degree.

Applicants who do not meet the requirements for normal entry but who hold a tertiary qualification in a technological field or other equivalent qualification may be required to complete such prerequisite surveying and other units as may be determined by the Head of School prior to enrolment in the course.

Applicants for admission must have at least one year of practical experience in the practice of surveying following graduation, or its equivalent.

Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>PSP311 Professional Practice Management</td>
<td>12</td>
<td>9</td>
</tr>
<tr>
<td>PSP312 Survey Computing &amp; Processing</td>
<td>8</td>
<td>6</td>
</tr>
<tr>
<td>PSP313 Survey Project Management</td>
<td>8</td>
<td>6</td>
</tr>
<tr>
<td>PSP314 Boundary Definition Surveys 1</td>
<td>12</td>
<td>9</td>
</tr>
<tr>
<td>PSP315 Property Development Surveys</td>
<td>8</td>
<td>6</td>
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<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSP321 Spatial Information Systems</td>
<td>8</td>
<td>6</td>
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<tr>
<td>PSP322 Engineering Surveying</td>
<td>12</td>
<td>9</td>
</tr>
<tr>
<td>PSP323 Project Site Surveys</td>
<td>8</td>
<td>6</td>
</tr>
<tr>
<td>PSP324 Boundary Definition Surveys 2</td>
<td>12</td>
<td>9</td>
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<tr>
<td>PSP325 Property Management Surveys</td>
<td>8</td>
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</tbody>
</table>

Graduate Diploma in Urban and Regional Planning (PS72)

Location: Gardens Point campus

Course Duration: 3 semesters full-time or 6 semesters part-time

Total Credit Points: 144

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr John Minnery

Entry Requirements

To be eligible for admission an applicant must:

(a) hold a degree or diploma from a recognised tertiary institution, or
(b) have attained professional recognition by an equivalent course of study or examination.

Note: Graduates from QUT’s Bachelor of Built Environment (Urban and Regional Planning) shall be credited with the first semester of full-time study or first two semesters of part-time study (Module A). Students from other backgrounds will be granted credit as appropriate to their education and experience.
Students who have completed units in the Graduate Diploma in Urban and Regional Planning before 1996 will be allowed credit for units in the new Graduate Diploma in Urban and Regional Planning, depending on their grade point average, the length of time which has elapsed since completion, and recent experience. Each case will be treated on its individual merits and will be decided by the Head of School in consultation with the student concerned and staff.

**Full-Time Course Structure**

The program is offered with entry in first semester and second semester. Students must complete three modules to complete the Graduate Diploma. Each module is worth 48 credit points, equivalent to one semester full-time or two semesters part-time. Modules may be offered in either first or second semester.

<table>
<thead>
<tr>
<th>Module A</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>PSP501 Environmental Planning &amp; Assessment</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP502 Economic &amp; Social Foundations of Planning</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP503 Planning &amp; Research Methods</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP504 Urban Systems &amp; Infrastructure</td>
<td>12</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Module B</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>PSP505 Planning in Society</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP506 Planning Theory &amp; Ethics</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP507 Planning Procedures &amp; Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP508 Planning Practice I</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PSP513 Field Trip</td>
<td>0</td>
<td>1 week</td>
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<table>
<thead>
<tr>
<th>Module C</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>PSP509 Regional &amp; Metropolitan Policy</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP510 Specialisation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSN211 Research Project I &amp; Advanced Research Methods</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP512 Planning Practice II</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PSP513 Field Trip</td>
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<td>1 week</td>
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**Part-Time Course Structure**

**Module A1**

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<thead>
<tr>
<th>Module</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>PSP501 Environmental Planning &amp; Assessment</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP503 Planning &amp; Research Methods</td>
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**Module A2**

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<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>PSP504 Urban Systems &amp; Infrastructure</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PSP502 Economic &amp; Social Foundations of Planning</td>
<td>12</td>
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**Module B1**

<table>
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<tr>
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<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>PSP505 Planning in Society</td>
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<td>3</td>
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<tr>
<td>PSP506 Planning Theory &amp; Ethics</td>
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**Module B2**

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<tr>
<td>PSP507 Planning Procedures &amp; Law</td>
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<td>3</td>
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<tr>
<td>PSP508 Planning Practice I</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP513 Field Trip</td>
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**Module C1**

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<th>Module</th>
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<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>PSP509 Regional &amp; Metropolitan Policy</td>
<td>12</td>
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<tr>
<td>PSP512 Planning Practice II</td>
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**Module C2**

<table>
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<th>Module</th>
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<tr>
<td>PSP510 Specialisation</td>
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<td>3</td>
</tr>
<tr>
<td>PSN211 Research Project I &amp; Advanced Research Methods</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP513 Field Trip</td>
<td>0</td>
<td>1 week</td>
</tr>
</tbody>
</table>

**Note:** PSP510 Specialisation offers specialisations in local and regional development, urban housing and community development, urban design and environmental and resource planning. Other special topics may be offered depending on staff availability.

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8 Alternative module locations for a single week-long field trip.
Graduate Diploma in Urban Design (PS69)

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Danny O’Hare

Entry Requirements

To be eligible for admission an applicant must hold a Bachelor degree with a grade point average of 5.0 or better and demonstrated potential in a relevant professional activity, or a relevant graduate diploma with a grade point average of 5.0 or better, or a qualifying program with a grade point average of 5.0 or better.

Applicants are considered initially for acceptance in the Graduate Diploma in Urban Design. At the completion of one semester for full-time students and two semesters for those studying part-time, students will be considered for enrolment in the Master of Built Environment (Urban Design). A grade point average of 5.0 or better in the course is normally required for progression to the Masters level.

Course Requirements

Students must complete a minimum of 48 credit points per semester in the full-time course and a minimum of 24 credit points per semester in the part-time course.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
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<tr>
<td>IFN001 Advanced Information Retrieval Skills</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>PSN004 Applied Research Techniques</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>PSP401 Urban Design Analysis Studio</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP403 Urban Design Conjecture Studio</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PSP421 History of Urban Systems</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>PSP424 Urban Design Theory &amp; Criticism</td>
<td>4</td>
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<tr>
<td>Plus any of the following totalling at least 8 credit points:</td>
<td></td>
<td></td>
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<tr>
<td>CNP439 Property Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>PSP411 Environmental Psychology</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>PSP416 Computer-aided Data Analysis</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>PSP442 Law &amp; Legislation in Urban Design</td>
<td>4</td>
<td>1</td>
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</tbody>
</table>

Semester 2

| PSP402 Urban Design Context Studio | 12 | 3 |
| PSP405 Urban Design Field Studies | 4 | 10 days |
| Plus any of the following totalling at least 32 credit points: |
| PSN002 Concentration Studies A | 4 | 1 |
| PSN003 Concentration Studies B | 8 | 2 |
| PSP011 Conservation Theory | 3 | 1 |
| PSP432 Urban Landscape | 4 | 1 |
| PSP434 Urban Services & Functions | 4 | 1 |
| PSP441 Computer Applications in Urban Design | 4 | 1 |

Part-Time Course Structure

Year 1, Semester 1

| IFN001 Advanced Information Retrieval Skills | 4 | 1 |
| PSP401 Urban Design Analysis Studio | 12 | 3 |
| PSP421 History of Urban Systems | 4 | 1 |
| PSP424 Urban Design Theory & Criticism | 4 | 1 |

Year 1, Semester 2

| PSP402 Urban Design Context Studio | 12 | 3 |
| PSP405 Urban Design Field Studies | 4 | 10 days |

Plus any of the following totalling at least 8 credit points:

| PSP011 Conservation Theory | 3 | 1 |
| PSP416 Computer Aided Data Analysis | 2 | 1 |
Year 2, Semester 1

- PSP403 Urban Design Conjecture Studio 12 3
- PSN004 Applied Research Techniques 4 1

Plus any of the following totalling a minimum of 8 credit points:
- CNP439 Property Management 6 2
- PSP411 Environmental Psychology 4 2
- PSP416 Computer-aided Data Analysis 2 1
- PSP442 Law & Legislation in Urban Design 4 1

Year 2, Semester 2

Any of the following totalling at least 24 credit points:
- PSN002 Concentration Studies A 4 1
- PSN003 Concentration Studies B 8 2
- PSP432 Urban Landscape 4 1
- PSP434 Urban Services & Functions 4 1
- PSP441 Computer Applications in Urban Design 4 1

Elective Unit/s

Graduate Certificate in Electricity Supply Engineering (EE82)

Location: Gardens Point campus

Course Duration: 1 semester full-time, 2 semesters part-time

Total Credit Points: 48

Standard Credit Points/Full-Time Semester: 48

Tuition Fees (Domestic Students): $142 per credit point for day/evening classes (fees for short-courses and resource-based learning units available on application to School of Electrical and Electronic Systems Engineering)

Course Coordinator: Dr David Birtwhistle

Entry requirements

A Bachelor degree in Electrical Engineering with a study of power subjects to third year level.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>12 Units (selected from List 1)</td>
<td>48</td>
<td>12</td>
</tr>
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</table>

Part-Time course structure

Year 1, Semester 1

- 6 Units (selected from List 1) 24 6

Year 1, Semester 2

- 6 Units (selected from List 1) 24 6

List 1: Units

<table>
<thead>
<tr>
<th>List 1: Units</th>
<th>Weeks</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EEP201 Fundamentals of Power System Earthing</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP202 Thermal Ratings &amp; Heat Transfer</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP204 Power System Load Flow Analysis</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP213 Statistics</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>EEP240 Organisation and Financial Management in the Electricity Supply Industry</td>
<td>1-5</td>
<td>4</td>
<td>3</td>
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<tr>
<td>EEP203 Testing &amp; Condition Monitoring</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
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<tr>
<td>EEP205 Power System Fault Calculations</td>
<td>6-10</td>
<td>4</td>
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</tr>
<tr>
<td>EEP208 Economic Analysis for Power Systems Engineers</td>
<td>6-10</td>
<td>4</td>
<td>3</td>
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</tbody>
</table>
EEP210  Abnormal System Voltages 6-10 4 3
EEP247  Introduction to Plant Control in Industry & Power Generation 6-10 4 3
EEP206  Project Management 11-15 4 3
EEP209  Power System Harmonics 11-15 4 3
EEP218  Introduction to Automated System Control & Supervisory Systems (SCADA) 11-15 4 3
EEP219  High Voltage Substation Equipment, Power Transformers & Reactive Power Plant 11-15 4 3
EEP243  Contract Administration 11-15 4 3

Semester 2
EEP207  Overhead Line Route Selection – Environmental Factors 1-5 4 3
EEP211  Basic Power System Protection 1-5 4 3
EEP215  Reliability 1-5 4 3
EEP221  Limits to Power System Stability 1-5 4 3
EEP244  Circuit Breakers – Switchgear 1-5 4 3
EEP212  Advanced Power System Protection 6-10 4 3
EEP214  Risk Assessment in the Electricity Supply Industry 6-10 4 3
EEP216  Overhead Line Design – Electrical 6-10 4 3
EEP223  Load Forecasting 6-10 4 3
EEP245  Introduction to Substation Design 6-10 4 3
EEP217  Overhead Line Design – Mechanical 11-15 4 3
EEP220  Distribution Planning 11-15 4 3
EEP222  Maintenance of Electricity Supply Systems 11-15 4 3
EEP224  Power System Operation 11-15 4 3
EEP242  Efficient Marketing and Utilisation of Electricity: Demand and Supply Side Solutions 11-15 4 3

Units available as Resource-based Learning (i.e. Distance Education) with flexible enrolment:

EEP202  Thermal Ratings & Heat Transfer 4 45
EEP208  Economic Analysis for Power System Engineers 4 45
EEP209  Power System Harmonics 4 45
EEP210  Abnormal System Voltages 4 45
EEP211  Basic Power System Protection 4 45
EEP212  Advanced Power System Protection 4 45
EEP213  Statistics 4 45
EEP214  Risk Management in the Electricity Supply Industry 4 45
EEP215  Reliability 4 45
EEP220  Distribution Planning 4 45

Units in this course have been accepted by industry as approved training modules.

Credit points may be accumulated towards this award from day/evening classes (3 hours per week x 5 weeks), flexible enrolment in Resource-based Learning (i.e. Distance Education) units or from studies taken as short-courses (conducted in June/July and November/December). Further information on units available as Resource-based Learning or short-courses can be obtained by contacting Mr Lyle McKinnon, School of Electrical and Electronic Systems Engineering, on (07) 3864 1632.

Graduate Certificate in Engineering (Materials Technology) (ME70)
Location: Gardens Point
Course Duration:
Domestic Students: 1 semester full-time (not offered in 1997 for domestic students)
Special program for Indonesian Government and University of Indonesia Link Program Students: 1 year full-time made up of 1 semester course work and 1 semester research and development
Graduate Certificate in Engineering Management (ME75)

Location: Gardens Point
Course Duration: 1 semester full-time, 1 year part-time
Total Credit Points: 48
Tuition Fees (Domestic Students): $65 per credit point
Course Coordinator: Professor Walter Wong

Entry Requirements
(i) a Bachelors degree in Engineering (or its equivalent) or
(ii) relevant training or experience considered by the Course Coordinator as appropriate for entry to the course.

Course Requirements
Students will take four of the following units. All units are offered in the Master of Engineering Science (Engineering Management) (ME76). The course may be taken full-time or part-time.

Units offered

<table>
<thead>
<tr>
<th>Units offered</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEP131 Engineering Ceramics: Processes and Properties</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEP132 Polymeric Materials: Processes and Properties</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEP133 Composite Materials</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEP134 Electrical and Magnetic Properties of Materials</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Graduate Certificate in Project Development (CN81)

With specialisations in: Construction Management, Project Management, Property Development, and Property Economics.

Similar courses are offered in Singapore (CN82) and Kuala Lumpur (CN83).

Location: Gardens Point campus
Course Duration: 1 year part-time  
Total Credit Points: 48  
Standard Credit Points/Part-Time Semester: 24  
Tuition Fees (Domestic Students): $80 per credit point  
Course Coordinator: Associate Professor Danny Then

Entry Requirements

☐ Normal entry
An applicant must:
(i) hold an approved degree or diploma from a recognised university, college of advanced education or approved tertiary institution, or
(ii) hold degree-equivalent professional qualifications, and
(iii) normally have at least three years’ relevant experience after graduation.

☐ Special entry
An applicant must:
(i) have extensive, relevant, professional experience as determined by the Course Coordinator
(ii) for the specialisations in Project Management and Property Development, have a minimum of three years’ relevant experience after graduation.

Course Structure

No exemptions are permitted. If a unit has been studied previously then an alternative should be selected.

If students have opted for the majors in Project Management or Property Development, after the successful completion of the graduate certificate, they may, on achieving a grade point average of 5.0 or better and gaining admission to the Graduate Diploma in Project Management, complete a further 48 credit points in the same discipline with the guidance and approval of the Course Coordinator and be granted the Graduate Diploma in that discipline.

It should be noted that some units are available in concentrated format over a period of one, two or three days rather than in the standard format of two hours per week for one or two semesters. These will be run only if there is sufficient demand and will be self-funding from fees charged.

It is strongly recommended that all graduate certificate students complete the unit IFN001 Advanced Information Retrieval Skills prior to commencing the course or early in Semester 1. The credit point value of this unit is not included in the total credit points which must be completed to be awarded a graduate certificate.

School electives are offered subject to an appropriate enrolment in each semester.

CONSTRUCTION MANAGEMENT MAJOR

Students must complete a total of 48 credit points from the following units:

Semester 1

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Name</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP426/1</td>
<td>Project Development</td>
<td>6</td>
</tr>
<tr>
<td>CNP429</td>
<td>Cost Management &amp; Economics</td>
<td>6</td>
</tr>
<tr>
<td>CNP431/1</td>
<td>Project Management</td>
<td>6</td>
</tr>
<tr>
<td>CNP433/1</td>
<td>Project Management Law</td>
<td>6</td>
</tr>
<tr>
<td>CNP434</td>
<td>Time Management</td>
<td>6</td>
</tr>
</tbody>
</table>

Semester 2

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Name</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP406</td>
<td>International Project Management</td>
<td>6</td>
</tr>
<tr>
<td>CNP426/2</td>
<td>Project Development</td>
<td>6</td>
</tr>
<tr>
<td>CNP431/2</td>
<td>Project Management</td>
<td>6</td>
</tr>
<tr>
<td>CNP433/2</td>
<td>Project Management Law</td>
<td>6</td>
</tr>
<tr>
<td>CNP667</td>
<td>Applied Computing</td>
<td>6</td>
</tr>
</tbody>
</table>

Electives available in the Graduate Diploma in Project Management (CN64) or in advanced units in the Bachelor of Applied Science (Construction Management) (CN41) may also be undertaken with the prior approval of the Course Coordinator.
**PROJECT MANAGEMENT MAJOR**

Students must complete a total of 48 credit points from the following units:

**Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP426/1</td>
<td>Project Development</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP429</td>
<td>Cost Management &amp; Economics</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP430/1</td>
<td>Current Issues</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>CNP431/1</td>
<td>Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP433/1</td>
<td>Project Management Law</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP434</td>
<td>Time Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP437</td>
<td>Field Trip</td>
<td>6</td>
<td>4 days</td>
</tr>
</tbody>
</table>

**Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP406</td>
<td>International Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP426/2</td>
<td>Project Development</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP430/2</td>
<td>Current Issues</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP431/2</td>
<td>Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP433/2</td>
<td>Project Management Law</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>

Electives available in the Graduate Diploma in Project Management (CN64) – Project Management major – may also be undertaken with the prior approval of the Course Coordinator.

**PROPERTY DEVELOPMENT MAJOR**

Students must complete a total of 48 credit points from the following units:

**Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP402</td>
<td>Principles of Valuation</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP426/1</td>
<td>Project Development</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP430/1</td>
<td>Current Issues</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP431/1</td>
<td>Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP433/1</td>
<td>Project Management Law</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP434</td>
<td>Time Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP437</td>
<td>Field Trip</td>
<td>6</td>
<td>4 days</td>
</tr>
<tr>
<td>CNP438</td>
<td>Property Management</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>

**Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP426/2</td>
<td>Project Development</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP430/2</td>
<td>Current Issues</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP431/2</td>
<td>Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP433/2</td>
<td>Project Management Law</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP432</td>
<td>Real Estate Investment Analysis</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>

Electives available in the Graduate Diploma in Project Management (CN64) – Property Development major – may also be undertaken with the prior approval of the Course Coordinator.

**PROPERTY ECONOMICS MAJOR**

Students must complete a total of 48 credit points from the following units:

**Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP402</td>
<td>Principles of Valuation</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP403</td>
<td>Property Maintenance &amp; Asset Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP426/1</td>
<td>Project Development</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP430/1</td>
<td>Current Issues</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP431/1</td>
<td>Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP439</td>
<td>Property Management</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>

**Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP422</td>
<td>Specialist Valuation</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP426/2</td>
<td>Project Development</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP430/2</td>
<td>Current Issues</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP431/2</td>
<td>Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP438</td>
<td>Real Estate Investment Analysis</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>

Electives available in the Graduate Diploma in Project Management (CN64) – Property Development major – may also be undertaken with the prior approval of the Course Coordinator.

**Note:** A Graduate Certificate in Project Development with no major can also be taken by enrolling in 48 credit points from the following list:
**Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP402</td>
<td>Principles of Valuation</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP426/1</td>
<td>Project Development</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP429</td>
<td>Cost Management &amp; Economics</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP430/1</td>
<td>Current Issues</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP431/1</td>
<td>Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP433/1</td>
<td>Project Management Law</td>
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<td>2</td>
</tr>
<tr>
<td>CNP434</td>
<td>Time Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP437</td>
<td>Field Trip</td>
<td>6</td>
<td>4 days</td>
</tr>
<tr>
<td>CNP439</td>
<td>Property Management</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>

**Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNP406</td>
<td>International Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP422</td>
<td>Specialist Valuation</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP426/2</td>
<td>Project Development</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP430/2</td>
<td>Current Issues</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>CNP431</td>
<td>Project Management</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP433/2</td>
<td>Project Management Law</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>CNP438</td>
<td>Real Estate Investment Analysis</td>
<td>6</td>
<td>2</td>
</tr>
</tbody>
</table>

Electives available in the Graduate Diploma in Project Management (CN64) or other units in the University may also be undertaken with the prior approval of the Course Coordinator, in order that the specific needs of individual students are met.

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**Graduate Certificate in Project Development (CN82) – Singapore**

**Location:** Sumbershire Management Consultants Pte Ltd, Singapore

**Aim**

This course aims to broaden formal education and help professionals develop expertise in their chosen career paths. Students choose their own major of study to complement their continuing professional education program with an emphasis on management aspects.

**Course Outline**

Majors are offered in the following areas:

- [ ] Project management
- [ ] Property development
- [ ] Property economics
- [ ] Construction management
- [ ] Generic course (no specific major).

Identification of and solutions to practical problems are emphasised both in the teaching and learning process. Students completing this course with a grade point average of 5 or better will gain admission to the Graduate Diploma Course in Project Management.

For further information on this course, please contact Mr John Hornibrook on (07) 3864 2287.

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**Graduate Certificate in Project Development (CN83) – Kuala Lumpur**

**Location:** Amset (M) Sdn Bhd, Kuala Lumpur

**Aim**

This course aims to broaden formal education and help professionals develop expertise in their chosen career paths. Students choose their own major of study to complement their continuing professional education program with an emphasis on management aspects.

**Course Outline**

Majors are offered in the following areas:

- [ ] Project management
- [ ] Property development
Property economics  
Construction management  
Generic course (no specific major).

Identification of and solutions to practical problems are emphasised both in the teaching and learning process. Students completing this course with a grade point average of 5 or better will gain admission to the Graduate Diploma Course in Project Management.

For further information on this course, please contact Mr John Hornibrook on (07) 3864 2287.

Course Requirements and Notes Relating to Undergraduate Courses

Course Progression
It is important that students follow as normal a progression through their courses as possible. Units should be taken in an orderly sequence as set out in published course structures. Units failed should be picked up in the next semester that they are offered. Prerequisite units must normally be passed before a student may proceed to a further unit which has the prerequisite so specified. The Course Coordinator should be consulted regarding variations from the course structure. This is considered to be a major concession. Students who have failed units, or have doubts about having the necessary background to proceed, should seek the advice of the Course Coordinator.

Summer School (Mid-year Entry Courses)
The objective of running a Summer School for mid-year entry students is to provide an accelerated program which enables students to complete their courses in 3.5 years. Students resume a standard program from the third year. The Summer School is necessary in order for mid-year entry students to complete their courses in minimum time. If studies are not undertaken during the Summer School period, completion in minimum time is not possible.

Awards with Honours
Honours may be awarded to graduands of the Bachelor of Architecture, the four-year single degree and five-year double degree Bachelor of Engineering and Surveying courses, and the four-year Bachelor of Applied Science courses in Construction Management and Quantity Surveying. First class Honours, second class Honours division A and second class Honours division B may be awarded. Candidates for a degree with Honours must fulfil the requirements for a pass degree and achieve a standard of proficiency in all course units as may from time to time be determined by the Faculty Academic Board and approved by University Academic Board.

Eligibility for Honours
Eligibility for awards with Honours is not affected by the time taken to complete a course. However, to be eligible for such an award, a graduand must have completed the course within the maximum number of calendar years specified in the policy on time limits for completion of courses, Student Rule 1.20 in the QUT Handbook. Three- and four-year (full-time) courses must be completed in ten years. Combined degree courses must be completed in eleven years. Time limits are measured in calendar years from the first day of the first semester in which the student was enrolled and include periods of interruption such as leave of absence. In addition, to be eligible for an award with Honours, a graduand must have been enrolled in the course at QUT for at least two years of full-time study or its equivalent.

Honours Based on Grade Point Average
The Built Environment and Engineering Academic Board has resolved that awards with Honours for students graduating post-1992 will be based on grades achieved by students throughout the whole of their course as determined by the Grade Point Average calculation.

Units for which a student was awarded an exemption and units for which an ungraded pass or fail result is given are not included in the calculation.

Students obtaining a GPA of 6.0 or greater will normally qualify for the award of first class Honours. Students obtaining a GPA of 5.5 to 5.99 will normally qualify for the award of second class Honours division A. Students obtaining a GPA of 5.0 to 5.49 will normally qualify for the award of second class Honours division B.
The Faculty Academic Board may review the policy on Awards with Honours during 1997. Any amendments to policy will not disadvantage students.

**Dean’s List**

Each semester, the Faculty of Built Environment and Engineering will publish a Dean’s List comprising names of students achieving a GPA (grade point average) of 6.5 or better. The list will be posted on School notice boards. Students will receive a certificate in recognition of their achievement.

**Use of Calculators in Examinations**

Restrictions apply on the use of calculators in examinations. Students should consult the first year information booklets for details of the policies of individual schools.

**Field Trips**

Attendance at field trips or field projects in engineering and surveying courses is compulsory.

**Personal Protection Equipment (PPE) Policy**

Protective equipment refers to safety glasses/goggles, hearing protection, safety boots, gloves and similar items. While all care is taken to reduce the risks to which students are exposed, protective equipment will be required to be worn in some practical sessions and field excursions. Students are required to wear PPE where and when it has been made clear that it is needed. Students are required to provide certain PPE as indicated by each School within the Faculty.

Students enrolled in units specified by the School of Civil Engineering will be required to wear safety shoes for some laboratory practicals and/or field trips. Students not wearing appropriate safety shoes on these occasions will be barred from (i) participating in activities in these units, and (ii) submitting any assessment associated with these activities. Hard hats will be supplied by the School of Civil Engineering, as required. Students must provide their own safety glasses/goggles and hearing protection equipment.

**Industrial Experience for Engineering and Surveying Courses**

Industrial experience forms part of the requirements of engineering and surveying degree courses, in order to provide a realistic background for formal academic studies and to ensure that students become effectively balanced in their professional development. For engineering students, it is a requirement of the Institution of Engineers, Australia, for graduate membership. Industrial experience is usually undertaken during the long vacation or the mid-semester recess as an employee of a private firm, government agency or local authority, but can also be accumulated during part-time/full-time employment.

Candidates must, not later than the fourth week of semester immediately following each period of industrial experience, submit to the Faculty Office a report in the required format describing the work carried out during the period of industrial experience and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from outside the Faculty Office, Room 1006, ITE Building, Gardens Point campus.

A candidate for the degree of Bachelor of Technology (Civil) must obtain at least 45 days of industrial experience in an engineering environment approved by the Course Coordinator.

A candidate for the degree of Bachelor of Technology (Mechanical) must obtain at least 50 days of industrial experience, with a minimum of 25 days in an engineering environment, approved by the Course Coordinator.

Engineering students must obtain at least 60 days of industrial experience in an engineering environment approved by the Course Coordinator.

Surveying students must obtain at least 90 days of industrial experience in a surveying environment approved by the Course Coordinator.

Bachelor of Engineering (Aerospace Avionics) students are required to obtain 10 days’ specialist experience in the avionics industry during the first year of their course. This is in addition to the 60 days’ industrial experience requirement.

Industrial Experience information booklets can be obtained from the Administrative Assistant in the Faculty Office, Level 10, ITE Building, Gardens Point campus.

**Enrolment in Industrial Experience**

Surveying and Engineering students should not formally enrol in industrial experience.
Industrial Experience for the Bachelor of Architecture Course (AR48)

A candidate for the Bachelor of Architecture degree must be engaged in approved employment for at least 48 recognised weeks within the first three years (Approved Employment A), and for at least 72 recognised weeks within the second three years (Approved Employment B).

**Approved Employment**

‘Approved employment’ is defined as working under the direction of an architect who is registered within the place of practice where the experience is obtained.

**Eight Weeks at a Time**

Periods of work experience of less than eight recognised weeks’ continuous duration cannot be accredited.

**Recognised Week**

A ‘recognised week’ is a week of five days’ work. During semester, when students normally work for four days per week, the 18 week semester (14 weeks in class and four weeks in examination), translates to 14.4 ‘recognised weeks’. This figure is rounded off to 14 weeks to take account of public holidays. Students in continuous concurrent employment would normally accumulate 40 recognised weeks in a calendar year. (A three-day working week constitutes three-fifths of a recognised week. A six day working week constitutes sixth-fifths of a recognised week.

All reference to a ‘week’ hereinafter shall mean a ‘recognised week’.

**Years 1 and 2 Commencement**

Candidates who are admitted into the course at the beginning of Years 1 and 2 must satisfy all of Approved Employment A & B requirements.

**Year 3 Commencement**

Candidates who are admitted into the course at the beginning of Year 3 must complete 24 weeks in Approved Employment A and all Approved Employment B requirements.

**After Year 3 Commencement**

Candidates who are admitted directly into the course after the end of the third year must satisfy Approved Employment B only.

**Prerequisite**

Approved Employment A is normally a pre-requisite for Approved Employment B.

**Allied Experience During the Course**

Candidates may accumulate up to 12 weeks maximum in Approved Employment A and up to 18 weeks maximum in Approved Employment B for experience gained prior or during the course in approved allied areas to architecture. (Commonly approved allied areas: Civil Engineering, Interior Design, Industrial Design, Quantity Surveying, Construction Management, Town Planning, Landscape Architecture, Building.)

**Experience Prior to Commencement**

Candidates may accumulate a maximum of 24 weeks in Approved Employment A and a maximum of 36 weeks in Approved Employment B for satisfactory approved experience under the direction of an architect prior to enrolment in the course and these maximum periods can include:

- satisfactory approved experience gained prior to enrolment in the course in approved allied areas of architecture (provided the total period claimed for experience in approved allied areas does not exceed the maximum periods set for that experience in Approved Employment A & B).

**Experience During Leave of Absence**

Candidates may accumulate up to 24 weeks in Approved Employment A and 36 weeks in Approved Employment B during periods of approved leave of absence from formal classes. This may be in a period during the course or after completion of the academic course requirements.

**Report Each Semester**

Semester update reports on progress are required at the end of each semester and examination results may not be issued until they are submitted.
REPORT FORM EMPLOYMENT A

QUT School of Architecture, Interior & Industrial Design. Approved Employment report forms must be completed and lodged for Approved Employment A.

REPORT LOG FOR EMPLOYMENT B

The AACA log book of practical experience and university report forms must be completed and lodged to QUT for Approved Employment B.

SATISFACTORY EMPLOYMENT FOR COURSE PROGRESSION AND GRADUATION

For administrative purposes, candidates must enrol in Approved Employment A in the second semester of third year and then cannot proceed to fourth year until this unit of employment is satisfied, unless a special dispensation is granted. Candidates must enrol in Approved Employment B in the second semester of sixth year and will not be eligible to graduate until this unit of employment is satisfied. In both cases the accumulated credit, as recorded through the semester reports, will form the basis for accrediting work experience.

CREDITED EMPLOYMENT COUNTS ONCE

Employment which has been approved or credited in Employment A cannot be considered for further approval or credit in Employment B.

FULL-TIME STUDENTS IN FINAL TWO YEARS

For candidates proposing to study the final 192 credit points in the course in two years full-time:

(a) Candidates (including those who had previously been studying full time) must have achieved a minimum of 36 weeks accredited to Approved Employment B, before commencing Year 4.

(b) Candidates who had previously been studying part-time, and who have satisfied Approved Employment A, may apply in Approved Employment B for credit of a maximum of 36 weeks of work experience accrued in the first three years which is in addition to that credited to Approved Employment A.

TYPES OF EXPERIENCE

Type of experience required:

(a) Approved Employment A – at least 50 per cent of time in undertaking design and/or documentation.

(b) Approved Employment B –
   (i) 50 per cent of time in design stages and contract documentation (AACA item 4.3 and 4.5)
   (ii) Preliminary site investigation and evaluation of at least one project (AACA item 4.2.4)
   (iii) Project Management / Contract Administration of at least one project at ‘observer’ status where direct experience is unavailable (AACA items 4.7.19, 4.7.20, 4.7.21 and 4.7.22)

Bachelor of Applied Science (Construction Management) (CN41)

See course requirements and notes relating to undergraduate courses.

LOCATION: Gardens Point campus

COURSE DURATION: 3 years full-time plus 1 year part-time, or 6 years part-time

TOTAL CREDIT POINTS: 384

STANDARD CREDIT POINTS/FULL-TIME SEMESTER: 48

COURSE COORDINATOR: Mr Gary Thomas

PROFESSIONAL RECOGNITION

Completion of the Bachelor of Applied Science (Construction Management) together with the related experience requirements enables a graduate to be eligible for membership of the Australian Institute of Building.

SPECIAL COURSE REQUIREMENTS

Students are required to pass the examination segment of each unit, to pass that unit.

A student registered in the part-time study program must be employed full-time by an approved building organisation or other approved body, ideally during the whole of their study, but as a minimum for three of the final four years of the course.
A student registered in the full-time study program must be similarly employed during the final year part-time segment of the course.

Part-time study generally involves 11 to 13 hours per week and comprises a full day release from employment with the remaining time spread over two nights between 5.00 pm and 9.30 pm.

Units are offered only once each year. This means that full-time students are required to attend part of their program in the evening. All students must become familiar with and comply with the School’s enrolment rules.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
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<tr>
<td>CNB119</td>
<td>Construction 1</td>
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<tr>
<td>CNB113</td>
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<td>CNB121</td>
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<td>MAB299</td>
<td>Mathematics for Technologists</td>
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<td>CNB411</td>
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<td>CNB417</td>
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**Year 4, Semester 2**

<table>
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<tbody>
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<td>CNB416</td>
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<td>CNB418</td>
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**Summer School**

<table>
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<th>Course Name</th>
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<td>CNB003</td>
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**Work Experience**

Students in the final year of study must be in approved full-time employment.

### Part-Time Course Structure

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
</table>
| **Year 1, Semester 1**
| CNB119      | Construction 1                   | 12            | 6             |
| CNB113      | Building Technology 1            | 8             | 4             |
| MAB299      | Mathematics for Technologists    | 6             | 3             |

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
</table>
| **Year 1, Semester 2**
| CNB112      | Construction 2                   | 12            | 5             |
| CNB114      | Building Technology 2            | 8             | 4             |
| C0B165      | Professional Writing/Learning at University | 8 | 2.5 |

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
</table>
| **Year 2, Semester 1**
| CNB211      | Construction 3                   | 12            | 5             |
| CNB213      | Building Technology 3            | 6             | 4             |
| CNB221      | Building Legislation             | 6             | 4             |

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
</table>
| **Year 2, Semester 2**
| CNB116      | Measurement 1                    | 6             | 3             |
| CNB118      | Building Services 1              | 6             | 2             |
| CNB212      | Construction 4                   | 9             | 5             |
| ITB820      | Introduction to Computing         | 6             | 2             |

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
</table>
| **Year 3, Semester 1**
| CNB121      | Professional Studies A           | 8             | 3             |
| CNB215      | Measurement 2                    | 6             | 3             |
| CNB223      | Applied Computing 1              | 6             | 2             |
| CNB311      | Construction 5                   | 9             | 5             |

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
</table>
| **Year 3, Semester 2**
| CNB216      | Measurement 3                    | 6             | 3             |
| CNB218      | Building Services 3              | 6             | 3             |
| CNB222      | Estimating 1                     | 6             | 2             |
| CNB226      | Torts and Contract Law           | 6             | 3             |

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
</table>
| **Year 4, Semester 1**
| CNB217      | Building Services 2              | 6             | 3             |
| CNB219      | Economics of the Construction Industry | 6 | 2 |
| CNB323      | Estimating 2                     | 6             | 2             |
| CNB329      | Building Contracts/Arbitration Law | 6 | 3 |

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
</table>
| **Year 4, Semester 2**
| CNB220      | Construction Management 1        | 6             | 2             |
| CNB316      | Valuations & Investment Theory   | 6             | 3             |
| CNB322      | Construction Management Case Study | 6 | 3 |
| PSB910      | Construction Surveying           | 8             | 4             |

**Summer School**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
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<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
</table>
| **Year 5, Semester 1**
| CNB313      | Time Management 1                | 9             | 4             |
| CNB315      | Construction Business Management | 6             | 3             |
| CNB317      | Construction Management 2        | 6             | 3             |
| CNB325      | Building Economics               | 6             | 2             |
Year 5, Semester 2
CNB318 Commercial Law 6 2
CNB326 Time Management 2 8 4
CNB328 Construction Management 3 8 3
CNB330 Applied Computing 2 6 3

Summer School
CNB022 Professional Practice 2 31

Year 6, Semester 1
CNB411 Development Process 1 8 3
CNB417 Research Project 1 8 4
CNB419 Applied Computing 3 6 3
CNB431 Elective 1 8 3

Year 6, Semester 2
CNB412 Development Process 2 6 2
CNB416 Construction Management 4 8 4
CNB418 Research Project 2 8 4
CNB432 Elective 2 8 3

Work Experience
A student registered in the part-time study program must be in approved full time employment for three of the final four years of the course.

Part-time students should endeavour to complete their Professional Practice units in the years 4 and 5 Summer Schools.

Bachelor of Applied Science (Construction Management) (CN31)

See course requirements and notes relating to undergraduate courses.

Course discontinued: No further intakes. This course has been replaced by the Bachelor of Applied Science (Construction Management) (CN41). Only units in years 4 to 6 of the part-time course are offered to continuing students.

Location: Gardens Point campus
Course Duration: 6 years part-time, 2 years full-time plus 2 years part-time
Total Credit Points: 287
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Mr Gary Thomas

Professional Recognition
Completion of the Bachelor of Applied Science (Construction Management) together with the related experience requirements enables a graduate to be eligible for membership of the Australian Institute of Building.

Special Course Requirements
Students are required to pass the examination segment of each unit, to pass that unit.

A student registered in the part-time study program must be employed full-time by an approved building organisation or other approved body, for three of the final four years of the course. A student registered in the full-time study program must be similarly employed during the final two years part-time segment of the course.

Part-time study generally involves 11 to 12 hours per week and comprises a full-day release from employment with the remaining time spread over one or two nights between 5pm and 9.30pm.

Units are offered only once each year. This means that full-time students are required to attend part of their program in the evening. All students must become familiar with and comply with the School’s enrolment rules.
### Full-Time Course Structure

#### Year 4, Semester 1
- CEB701 Civil Engineering Quantities 1 OR Elective* 4 2
- CNB623 PM6 – Building Development Techniques 1 4 2
- CNB642 Applied Computer Techniques 6 3
- CNB656/1 Building Research 8 4
- CNB603 Building Management 5 4 2

#### Year 4, Semester 2
- CNB401 Building Economics & Cost Planning 4 2
- CNB606 PM8 – Land Development Studies 4 2
- CNB624 PM7 – Building Development Techniques 2 4 2
- CNB643 Law 5 – Commercial Law OR Elective* 3 1.5
- CNB656/2 Building Research 10 5

### Part-Time Course Structure

#### Year 4, Semester 1
- CNB403 Building Management 1 4 2
- CNB440/1 Law 3 – Building Contracts 3 1
- CNB442/1 Valuations & Dilapidations 4 2
- CNB443 Building Services 3 2.5
- CNB444 Mechanical & Electrical Estimating OR Elective* 4 2
- CNB601 Formwork Design & Construction 4 2

#### Year 4, Semester 2
- CNB301 PM1 – Advanced Construction Methods 4 2
- CNB334 Economics of the Con. Ind. OR Elective* 4 2
- CNB404 Building Management 2 4 2
- CNB440/2 Law 3 – Building Contracts 3 1
- CNB442/2 Valuation & Dilapidations 2 1
- CNB446 Estimating 1 5 2.5

#### Year 5, Semester 1
- CEB701 Civil Engineering Quantities OR Elective* 4 2
- CNB527 PM2 – Quantitative Techniques 3 1.5
- CNB540 Estimating 2 5 2.5
- CNB545 PM3 – Construction Planning Techniques 1 7 3.5
- CNB501 Building Management 3 4 2

#### Year 5, Semester 2
- CNB401 Building Economics & Cost Planning 4 2
- CNB502 Building Management 4 4 2
- CNB543 Law 4 – Torts & Arbitration 3 1.5
- CNB548 PM4 – Construction Planning Techniques 2 8 4
- CNB550 PM5 – Project Cost Control 6 3

#### Year 6, Semester 1
- CNB623 PM6 – Building Development Techniques 1 4 2
- CNB642 Applied Computer Techniques 6 3
- CNB656/1 Building Research 8 4
- CNB603 Building Management 5 4 2

#### Year 6, Semester 2
- CNB606 PM8 – Land Development Studies 4 2
- CNB624 PM7 – Building Development Techniques 2 4 2
- CNB643 Law 5 – Commercial Law OR Elective* 3 1.5
- CNB656/2 Building Research 10 5

*Elective Units*

Elective units may be taken from any other course offered by the university in consultation with the course coordinator.
# Bachelor of Applied Science (Property Economics) (CN32)

See course requirements and notes relating to undergraduate courses.

**Location:** Gardens Point campus  
**Course Duration:** 3 years full-time, 6 years part-time  
**Total Credit Points:** 288  
**Standard Credit Points/Full-Time Semester:** 48  
**Course Coordinator:** Ms Lynne Armitage

## Professional Recognition

Completion of the undergraduate course together with the related experience requirements make a graduate eligible for membership of the Australian Institute of Valuers and Land Economists, registration by the Valuers’ Registration Board of Queensland, and licensing as a real estate agent.

## Special Course Requirements

Full-time students must undertake six weeks professional work experience during the duration of the course. All work experience is to be approved by the Course Coordinator to verify that it is appropriate.

A student registered in the part-time study program must be employed full-time in an approved organisation for three of the final four years of the course.

Part-time study generally involves 8 hours per week and comprises a half-day release from employment with the remaining time spread over one or two nights between 5.00pm and 9.00pm.

## Full-Time Course Structure

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<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
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<tr>
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<td>CNB701 Real Estate Accounting</td>
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**Part-Time Course Structure**

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</table>
Bachelor of Applied Science (Quantity Surveying) (CN43)

See course requirements and notes relating to undergraduate courses.

Location: Gardens Point campus

Course Duration: 3 years full-time plus 1 year part-time, or 6 years part-time

Total Credit Points: 384

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Owen Wilson

Special Course Requirements

Students are required to pass the examination segment of each unit, to pass that unit.

A student registered in the part-time study program must be employed full-time by a building organisation or quantity surveying office under the direction of a qualified quantity surveyor, ideally during the whole of their study, but as a minimum for three of the final four years of the course.

A student registered for the full-time study program must be similarly employed during the final year part-time segment of the course.

Part-time study generally involves 11 to 13 hours per week and comprises a full day release from employment with the remaining time spread over two nights between 5.00 pm and 9.30 pm.

Units are offered only once each year. This means that full-time students are required to attend part of their program in the evening. All students must become familiar with and comply with the School’s enrolment rules.

Professional Recognition

Completion of the Bachelor of Applied Science (Quantity Surveying) together with the related experience requirements enables a graduate to be eligible for membership of the Australian Institute of Quantity Surveying.

Full-Time Course Structure

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<td>COB004 Professional Writing/Learning at University</td>
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<td>ITB820 Introduction to Computing</td>
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Year 3, Semester 1
CNB311 Construction 5 9 5
CNB313 Time Management 1 9 4
CNB315 Construction Business Management 6 3
CNB319 Professional Management 6 3
CNB323 Estimating 2 6 2
CNB327 Building Economics 1 6 2
CNB329 Building Contracts/Arbitration Law 6 3

Year 3, Semester 2
CNB312 Measurement 4 9 4
CNB314 Contract Administration 1 6 3
CNB316 Valuations and Investment Theory 6 3
CNB318 Commercial Law 6 2
CNB320 Building Economics 2 6 2
CNB324 Professional Studies 3A 9 3
CNB332 Applied Computing 2A 6 3

Year 4, Semester 1
CNB411 Development Process 1 8 3
CNB415 Contract Administration 2 6 3
CNB417 Research Project 1 8 4
CNB421 Elective 1 8 3

Year 4, Semester 2
CNB412 Development Process 2 6 2
CNB414 Civil Engineering Quantities 8 4
CNB418 Research Project 2 8 4
CNB422 Elective 2 8 3

Summer School
CNB001 Professional Practice 1A 36

Work Experience
Students in the final year of study must be in approved full-time employment.

Part-Time Course Structure

Year 1, Semester 1
CNB119 Construction 1 12 6
CNB113 Building Technology 1 8 4
MAB299 Mathematics for Technologists 6 3

Year 1, Semester 2
CNB112 Construction 2 12 5
CNB114 Building Technology 2 8 4
COB004 Professional Writing/Learning at University 8 2.5

Year 2, Semester 1
CNB211 Construction 3 12 5
CNB213 Building Technology 3 6 4
CNB221 Building Legislation 6 4

Year 2, Semester 2
CNB116 Measurement 1 6 3
CNB118 Building Services 1 6 2
CNB212 Construction 4 9 5
ITB820 Introduction to Computing 6 2

Year 3, Semester 1
CNB121 Professional Studies A 8 3
CNB215 Measurement 2 6 3
CNB223 Applied Computing 1 6 2
CNB311 Construction 3 9 5
Year 3, Semester 2
CNB216 Measurement 3 6 3
CNB218 Building Services 3 6 3
CNB222 Estimating 1 6 2
CNB226 Torts and Contract Law 6 3

Year 4, Semester 1
CNB217 Building Services 2 6 3
CNB219 Economics of the Construction Industry 6 2
CNB319 Professional Management 6 3
CNB323 Estimating 2 6 2
CNB329 Building Contracts/Arbitration Law 6 3

Year 4, Semester 2
CNB220 Construction Management 1 6 2
CNB312 Measurement 4 9 4
CNB316 Valuations & Investment Theory 6 3
PSB910 Construction Surveying 8 4

Summer School
CNB031 Professional Practice 1 31

Year 5, Semester 1
CNB313 Time Management 1 9 4
CNB315 Construction Business Management 6 3
CNB327 Building Economics 1 6 2
CNB421 Elective 1 8 3

Year 5, Semester 2
CNB314 Contract Administration 1 6 3
CNB318 Commercial Law 6 2
CNB320 Building Economics 2 6 3
CNB332 Applied Computing 2A 6 3

Summer School
CNB032 Professional Practice 2 31

Year 6, Semester 1
CNB411 Development Process 1 8 3
CNB415 Contract Administration 2 6 3
CNB417 Research project 1 8 4

Year 6, Semester 2
CNB412 Development Process 2 6 2
CNB414 Civil Engineering Quantities 8 4
CNB418 Research Project 2 8 4
CNB422 Elective 2 8 3

Work Experience
A student registered in the part-time study program must be in approved full time employment for three of the final four years of the course.

Part-time students should endeavour to complete their Professional Practice units in the year 4 and 5 Summer Schools.

■ Bachelor of Applied Science (Quantity Surveying) (CN33)

See course requirements and notes relating to undergraduate courses.

Course discontinued: No further intakes. This course has been replaced by the Bachelor of Applied Science (Quantity Surveying) (CN43). Only units in years 4 to 6 of the part-time course are offered to continuing students.

Location: Gardens Point campus

Course Duration: 6 years part-time, 2 years full-time plus 2 years part-time

Total Credit Points: 287

Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Mr Owen Wilson

Professional Recognition
Completion of the Bachelor of Applied Science (Quantity Surveying) together with the related experience requirements enables a graduate to be eligible for membership of the Australian Institute of Quantity Surveying.

Special Course Requirements
Students are required to pass the examination segment of each unit, to pass that unit.

A student registered in the part-time study program must be employed in a building or quantity surveying office under the direction of a qualified quantity surveyor for three of the final four years of the course.

A student registered in the full-time study program must be similarly employed during the final two year part-time segment of the course.

Part-time study generally involves 11 to 12 hours per week and comprises a half-day release from employment with the remaining time spread over two or three nights between 5pm and 9.30 pm. For the first four years of the part-time course a whole day release from employment is required.

Units are offered only once each year. This means that full-time students are required to attend part of their program in the evening. All students must become familiar with and comply with the School’s enrolment rules.

Full-Time Course Structure

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Part-Time Course Structure

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Bachelor of Architecture (AR48)

See course requirements and notes relating to undergraduate courses.

Location: Gardens Point campus

Course Duration: 6 years part-time

Total Credit Points: 384

Standard Credit Points/Part-Time Semester: 32

Course Coordinator: Mr Dan Nutter

Professional Recognition

On completion of the course and one year’s postgraduate practical experience, graduates are eligible to apply for associate membership of the Royal Australian Institute of Architects and are eligible to apply to sit for the registration examination conducted by the Board of Architects of Queensland.

Special Course Requirements

A Bachelor of Architecture student must be engaged in approved employment for at least 48 recognised weeks within the first three years (ARB795 Approved Employment A) and for at least 72 recognised weeks within the second three years (ARB796 Approved Employment B). For details refer to the Section ‘Course Requirements and Notes relating to Undergraduate Courses’.

Segmented Course Units

Where course units contain discrete segments identified in the synopsis, students are generally expected to pass all segments in order to pass the course unit.

The final grade for the unit will be aggregated from the grades attained in the segments undertaken.

Course Structure

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- ARB014 Contextual Studies 4  
  8  4
- ARB024 Technology & Science 4  
  12  4

### Year 3, Semester 1
- ARB005 Architectural Design 5  
  12  6
- ARB015 Contextual Studies 5  
  8  2
- ARB025 Technology & Science 5  
  12  6

### Year 3, Semester 2
- ARB006 Architectural Design 6  
  12  6
- ARB016 Contextual Studies 6  
  8  3
- ARB026 Technology & Science 6  
  12  5
- ARB795 Approved Employment A  
  36

### Year 4, Semester 1
- ARB007/1 Architectural Design 7  
  12  6
- ARB017 Contextual Studies 7  
  6  2
- ARB031/1 Professional Studies 1  
  8  3
- ARB045 Elective A  
  6  2

### Year 4, Semester 2
- ARB007/2 Architectural Design 7  
  12  6
- ARB027 Technology & Science 7  
  6  2
- ARB031/2 Professional Studies 1  
  8  3
- ARB046 Elective B  
  6  2

### Year 5, Semester 1
- ARB008/1 Architectural Design 8  
  12  6
- ARB032/1 Professional Studies 2  
  8  3
- ARB047 Elective C  
  6  2
- ARB051 Research Methods  
  6  2

### Year 5, Semester 2
- ARB008/2 Architectural Design 8  
  12  6
- ARB018 Contextual Studies 8  
  6  2
- ARB032/2 Professional Studies 2  
  8  3
- ARB052 Architectural Research 1  
  6  2

### Year 6, Semester 1
- ARB033/1 Professional Studies 3  
  8  2
- ARB053 Architectural Research 2  
  24  6

### Year 6, Semester 2
- ARB033/2 Professional Studies 3  
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- ARB054 Architectural Project  
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- ARB796 Approved Employment B  
  60

### Bachelor of Architecture (AR41)

**Course Discontinued:** No further intakes. This course has been replaced by the Bachelor of Architecture (AR48). Years 5 and 6 are offered to continuing students only.

**Location:** Gardens Point campus

**Course Duration:** 6 years part-time

**Total Credit Points:** 288

**Standard Credit Points/Part-Time Semester:** 24

**Course Coordinator:** Mr Dan Nutter

**Professional Recognition**

On completion of the course and one year's postgraduate practical experience graduates are eligible for associate membership of the Royal Australian Institute of Architects and are eligible to sit for the registration examination conducted by the Board of Architects of Queensland.
Special Course Requirements
A student must be engaged in approved employment for 11 months per year for four of the six years of the course, including one of the two final years. Approved employment is defined as working under the direction of an architect or, for a period not exceeding six months, gaining experience in a related field approved by the Head of School. Students should work under the same employer for at least six months. Students must enrol in approved employment units in the semester (or summer school period) in which they expect to finalise the specific approved employment unit involved, so that they can be credited with a result for the unit. All necessary documentation must be forwarded to the Course Coordinator in time for the unit to be finalised by the end of the semester in which the student is enrolled.

Course Structure

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Approved Employment Units
ARB793 Approved Employment 3
ARB794 Approved Employment 4

Bachelor of Built Environment (BN30)


See course requirements and notes relating to undergraduate courses.

Location: Gardens Point campus

Course Duration: 3 years full-time
Total Credit Points: 288
Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Dan Nutter

Major Coordinators:
Architecture: Mr Dan Nutter
Interior Design: Ms Jill Franz
Industrial Design: Associate Professor Vesna Popovic
Landscape Architecture: Ms Delwynn Poulton
Urban & Regional Planning: Dr Janelle Allison

Professional Recognition

Architectural Studies Major

Upon successful completion of the Bachelor of Built Environment (Architectural Studies) students are eligible to apply for entry to the fourth year of the part-time Bachelor of Architecture course.
Upon completion of the final three years of the Bachelor of Architecture course, during which time students have been employed in an approved professional practice for a minimum of 72 recognised weeks, the academic requirements for membership of professional bodies are met.

**Industrial Design Major**
Successful completion of the Bachelor of Built Environment (Industrial Design) satisfies the entry requirement for the Graduate Diploma in Industrial Design, graduates of which are eligible for Associate Membership of the Design Institute of Australia.

**Interior Design Major**
Successful completion of the Bachelor of Built Environment (Interior Design) satisfies the requirements for entry into the Graduate Diploma in Interior Design, which is accredited by the Design Institute of Australia.

**Landscape Architecture Major**
Successful performance in the Bachelor of Built Environment (Landscape Architecture) enables students to gain entry to the Graduate Diploma/Masters courses. The Graduate Diploma in Landscape Architecture is the only course in Landscape Architecture in Queensland, and one of the courses in Landscape Architecture accredited by the Australian Institute of Landscape Architects.

**Urban And Regional Planning Major**
Successful completion of the Bachelor of Built Environment (Urban and Regional Planning) enables students to gain entry to the Graduate Diploma/Masters in Urban and Regional Planning, which is fully accredited by the Royal Australian Planning Institute.

**Segmented course units**
Where course units contain discrete segments identified in the synopsis, students are generally expected to pass all segments in order to pass the course unit. Detailed requirements are issued by the School.

**Course Structure**

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<th>Year, Semester</th>
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**INDUSTRIAL DESIGN MAJOR**

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**Year 2, Semester 2**

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**INTERIOR DESIGN MAJOR**

**Year 1, Semester 1**

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<sup>10</sup> Electives must be approved by the relevant Major Coordinator.
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**LANDSCAPE ARCHITECTURE MAJOR**

**Year 1, Semester 1**

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**Year 1, Semester 2**

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**Year 2, Semester 1**

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**Year 3, Semester 1**

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<td>Report Preparation</td>
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**URBAN AND REGIONAL PLANNING MAJOR**

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10 Electives must be approved by the relevant Major Coordinator.
Year 3, Semester 2

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Notes
1. Students must complete all of 1st and 2nd year before undertaking 3rd year.
2. Students must meet pre-requisites in all subjects.
3. Late penalties for late assignments apply.

Course will involve compulsory field work within some units.

Bachelor of Engineering (Aerospace Avionics) (EE43)

At the time of printing, the course listed below is provisional and subject to final University approval. Students should contact the School of Electrical and Electronic Systems Engineering early in 1997. See course requirements and notes relating to undergraduate courses.

Location: Gardens Point campus

Course Duration: 4 years full-time

Total Credit Points: 384

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor Farhan Faruqi

Note: Continuing students should refer to their course summary sheets or contact the School of Electrical and Electronic Systems Engineering for enrolment details.

Professional Recognition
This degree meets the requirements for membership of the Institution of Engineers, Australia and of the Institution of Radio and Electronics Engineers.

Special Course Requirements
A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial experience in an engineering environment approved by the Course Coordinator. Candidates in the Bachelor of Engineering (Aerospace Avionics) degree are required to obtain 10 days specialist experience in the avionics industry during the first year of their course. This is in addition to the 60 days’ industrial experience requirement. Candidates must, not later than the fourth week of semester immediately following each period of industrial experience, submit to the Faculty Office a report in the required format, describing the work carried out during the period of experience and including an Industrial Experience Record form. Forms are available from outside the Faculty Office, Room 1006, ITE Building, Gardens Point campus.

Course Structure (Commencing Students)

Year 1, Semester 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>BNB004</td>
<td>Technology &amp; Society</td>
<td>8</td>
<td>3</td>
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<tr>
<td>CEB184</td>
<td>Engineering Mechanics 1</td>
<td>8</td>
<td>3</td>
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<tr>
<td>CHB002</td>
<td>Introduction to Engineering Chemistry¹¹</td>
<td>(2)</td>
<td>(1)</td>
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<tr>
<td>EEB101</td>
<td>Circuits &amp; Measurements</td>
<td>8</td>
<td>3</td>
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<tr>
<td>MAB103</td>
<td>Introductory Engineering Mathematics¹²</td>
<td>(8)</td>
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<tr>
<td>MAB187</td>
<td>Engineering Mathematics 1A</td>
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<td>4</td>
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<tr>
<td>PHB134</td>
<td>Engineering Physics 1B</td>
<td>8</td>
<td>3</td>
</tr>
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</table>

¹¹ CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.

¹² MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C. All other students must apply for an exemption from this unit.
Select one unit from the following:
MEB134  Materials 1
MEB181  Engineering Communication

Year 1, Semester 2
EEB210  Network Analysis
EEB270  Digital Design Principles
ITB841  Introduction to Computing
MAB188  Engineering Mathematics 1B
PHB234  Engineering Physics 2B

Select the unit not undertaken in Semester 1:
MEB134  Materials 1
MEB181  Engineering Communication

Year 2, Semester 1
EEB310  Network Synthesis
EEB362  Introduction to Telecommunications
EEB375  Electronics 1
EEB390  Engineering Computing 1
EEB692  Space Technology
MAB485  Engineering Mathematics 2C

Year 2, Semester 2
EEB374  Introduction to Optoelectronics
EEB420  Control Systems 1
EEB475  Microprocessor Systems
EEB476  Electronics 2
MAB486  Engineering Mathematics 2D
MAB454  Aerodynamics 1

Year 3, Semester 1
EEB530  Engineering Electromagnetics
EEB533  Flight Control Systems
EEB565  Signals & Linear Systems
EEB582  Aerospace Design 1
MAB893  Engineering Mathematics 3

Elective Unit 1 (select from List A)

Year 3, Semester 2
EEB624  Control Systems 2
EEB665  Transmission & Propagation
EEB668  Digital Signal Processing
EEB683  Aerospace Design 2
EEB891  Signal Computing & Real Time DSP

Elective Unit 2 (select from List B)

Year 4, Semester 1
EEB682  Engineering Business Skills
EEB763  Modern Signal Processing
EEB787/1  Aerospace Project

Elective Unit 3 (select from List C)

Year 4, Semester 2
EEB787/2  Aerospace Project
EEB820  Engineering Management
EEB869  Signal Filtering & Estimation

Elective Unit 4 (select from List C)

Elective Unit 5 (select from List D)

Elective Unit 6 (select from List D)

Elective Lists
List A – ‘A’ Electives
EEB564  Information Theory Modulation & Noise
EEB593  Software Systems Engineering
EEB871  Applied Electronics
MEB553  Aerodynamics 2
List B – ‘A’ Electives
EEB667 Digital Communications 8 3
EEB881 Production Technology & Quality 8 3
EEB974 VLSI Circuits & Systems 8 3
MEB690 Aircraft Systems 8 3

List C – ‘A’ Electives
EEB380 Engineering Management Skills 8 3
EEB730 Radar & Radio Navigation 8 3
EEB731 Aerospace Law 8 3
EEB762 Communications Technology 8 3
EEB765 Microwave & Antenna Technology 8 3
MEB790 Spacecraft & Satellite Design 8 3
PSB911 Remote Sensing 8 3
OR
a third year ‘A’ Elective not yet attempted
OR
a ‘B’ Elective

(See the following list for units offered. These will only be offered if enrolments are sufficient. Only one ‘B’ elective per semester may be chosen.)

List D, ‘A’ Electives
EEB822 Advanced Control Systems 8 3
EEB936 Automatic Flight Control 8 3
EEB937 Combat Systems 8 3
EEB938 Advanced Communications & Navigation 8 3
EEB939 Advanced Satellite Systems 8 3
MEB551 Propulsion & Engines 8 3
OR
a third year ‘A’ Elective not yet completed
OR
a ‘B’ Elective not yet completed.

‘B’ Electives
These units will only be offered if enrolments are sufficient.
BNB003 Professional Practice in Asia/Pacific 8 3
EEB881 Production Technology & Quality 8 3
EEB940 Optical Information Processing 8 3
EEB963 Statistical Communications 8 3
EEB965 Microwave Systems Engineering 8 3

At the discretion of the Course Coordinator, students may be allowed to select an elective from advanced topics offered by the Faculty of Science, Faculty of Information Technology or other Schools in the Faculty of Built Environment and Engineering.

Also, potential Honours students may, with the approval of the Course Coordinator, select an elective from the postgraduate degree courses offered by the School of Electrical and Electronic Systems Engineering.

■ Bachelor of Engineering (Civil) (CE42)
See course requirements and notes relating to undergraduate courses.
Location: Gardens Point campus
Course Duration: 4 years full-time, 6 years part-time
Total Credit Points: 384
Standard Credit Points/Full-time Semester: 48
Course Coordinator: Professor David Thambiratnam

Professional Recognition
This degree meets the requirements for membership of the Institution of Engineers, Australia.
Special Course Requirements
A candidate for the degree of Bachelor of Engineering (Civil) must obtain at least 60 days of industrial employment in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester following each period of industrial experience, submit to the Faculty Office a report in the required format, describing the work carried out during the period of employment and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record forms are available from outside the Faculty Office, Room 1006, ITE Building, Gardens Point Campus.

Environmental Engineering Major
Students may elect to enter the environmental major of the course at the end of Year 1 full-time. This will involve taking, over the length of the course, 96 credit points of alternative core units, prescribed elective units from the main course and some environmental based topics in design units and project. Further information about the Environmental Engineering major is available from the School of Civil Engineering.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>BNB004 Technology &amp; Society</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CEB184 Engineering Mechanics 1</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHB002 Introduction to Engineering Chemistry</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>EEB101 Circuits &amp; Measurements</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MAB103 Introductory Engineering Mathematics</td>
<td>8</td>
<td>3</td>
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<tr>
<td>MAB187 Engineering Mathematics 1A</td>
<td>8</td>
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<tr>
<td>PHB134 Engineering Physics 1B</td>
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<td>3</td>
</tr>
<tr>
<td>Select one unit from the following:</td>
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<td></td>
</tr>
<tr>
<td>MEB134 Materials 1</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MEB181 Engineering Communication</td>
<td>8</td>
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<table>
<thead>
<tr>
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<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>CEB185 Engineering Mechanics 2</td>
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<tr>
<td>ESB229 Geology for the Built Environment</td>
<td>8</td>
<td>3</td>
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<tr>
<td>MAB188 Engineering Mathematics 1B</td>
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<tr>
<td>PSB907 Surveying</td>
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<tr>
<td>SCB246 Engineering Physics &amp; Chemistry</td>
<td>8</td>
<td>3</td>
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<tr>
<td>Select one unit not undertaken in Semester 1:</td>
<td></td>
<td></td>
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<tr>
<td>MEB134 Materials 1</td>
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</tr>
<tr>
<td>MEB181 Engineering Communication</td>
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Students not enrolled for the Environmental Major complete these units:

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>CEB221 Engineering Investigation Analysis &amp; Reporting</td>
<td>8</td>
<td>4</td>
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<tr>
<td>CEB240 Soil Mechanics 1</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>CEB254 Structural Engineering 1</td>
<td>8</td>
<td>3.5</td>
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<tr>
<td>CEB260 Fluid Mechanics</td>
<td>8</td>
<td>3.5</td>
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<tr>
<td>CEB293 Civil Engineering Materials</td>
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<tr>
<td>MAB487 Engineering Mathematics 2A</td>
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<th>Credit Points</th>
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<tbody>
<tr>
<td>CEB201 Steel Structures</td>
<td>8</td>
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<tr>
<td>CEB202 Concrete Structures 1</td>
<td>8</td>
<td>3.5</td>
</tr>
<tr>
<td>CEB211 Highway Engineering</td>
<td>8</td>
<td>4</td>
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</tbody>
</table>

2 Safety boots must be worn for laboratory work.

11 CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.

12 MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C. All other students must apply for an exemption from this unit.

13 To spread the load on the computer laboratories, students will be allocated to one or other of MEB181 or MEB134.

14 Students who have not successfully completed these units may enrol in Summer School units. Details are available from the Course Coordinator.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
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<td>CEB241</td>
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<td>Structural Engineering 2</td>
<td>8</td>
<td>3.5</td>
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<tr>
<td>CEB261</td>
<td>Hydraulic Engineering 1</td>
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<td>3.5</td>
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**Year 3, Semester 1**

<table>
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<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
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</thead>
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<td>CEB304/1</td>
<td>Civil Engineering Design 1</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>CEB306</td>
<td>Concrete Structures 2</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CEB309</td>
<td>Construction Practice</td>
<td>8</td>
<td>3.5</td>
</tr>
<tr>
<td>CEB362</td>
<td>Hydraulic Engineering 2</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CEB370</td>
<td>Public Health Engineering</td>
<td>8</td>
<td>3.5</td>
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<tr>
<td>MAB893</td>
<td>Engineering Mathematics 3</td>
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**Year 3, Semester 2**

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<th>Credits</th>
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<tr>
<td>CEB304/2</td>
<td>Civil Engineering Design 1</td>
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<tr>
<td>CEB305</td>
<td>Construction Planning &amp; Economics²</td>
<td>8</td>
<td>3</td>
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<tr>
<td>CEB315</td>
<td>Traffic Engineering</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CEB342</td>
<td>Geotechnical Engineering 1</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CEB355</td>
<td>Structural Engineering 3</td>
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</tr>
<tr>
<td>CEB371</td>
<td>Water &amp; Wastewater Systems</td>
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**Year 4, Semester 1**

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<td>CEB405/1</td>
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<tr>
<td>CEB406</td>
<td>Structural Applications</td>
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<tr>
<td>CEB491/1</td>
<td>Project (Civil)</td>
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<tr>
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<td>Elective Unit</td>
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<tr>
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**Year 4, Semester 2**

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<td>CEB401</td>
<td>Design Project</td>
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<td>CEB405/2</td>
<td>Civil Engineering Design 2</td>
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Students enrolled for the Environmental Major complete these units:

**Year 2, Semester 1**

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<tbody>
<tr>
<td>CEB221</td>
<td>Engineering Investigation Analysis &amp; Reporting</td>
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<tr>
<td>CEB240</td>
<td>Soil Mechanics 1²</td>
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<tr>
<td>CEB254</td>
<td>Structural Engineering 1</td>
<td>8</td>
<td>3.5</td>
</tr>
<tr>
<td>CEB260</td>
<td>Fluid Mechanics</td>
<td>8</td>
<td>3.5</td>
</tr>
<tr>
<td>CEB293</td>
<td>Civil Engineering Materials</td>
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<tr>
<td>MAB487</td>
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**Year 2, Semester 2**

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<td>CEB202</td>
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<td>CEB255</td>
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<td>CEB270</td>
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**Year 3, Semester 1**

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<tr>
<td>CEB309</td>
<td>Construction Practice</td>
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<td>3.5</td>
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<tr>
<td>CEB362</td>
<td>Hydraulic Engineering 2</td>
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<tr>
<td>CEB370</td>
<td>Public Health Engineering</td>
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<td>3.5</td>
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<tr>
<td>CEB372</td>
<td>Environmental Technology</td>
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<td>MAB893</td>
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**Year 3, Semester 2**

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<tr>
<td>CEB305</td>
<td>Construction Planning &amp; Economics²</td>
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<td>3</td>
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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits (Semester 1)</th>
<th>Credits (Semester 2)</th>
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<tbody>
<tr>
<td>CEB315</td>
<td>Traffic Engineering</td>
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<td>CEB371</td>
<td>Water &amp; Wastewater Systems</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CEB543</td>
<td>Environmental Geotechnology</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CEB403</td>
<td>Professional Practice</td>
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<td>3</td>
</tr>
<tr>
<td>CEB406</td>
<td>Structural Applications</td>
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<td>CEB342</td>
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<td>Environmental Design Project</td>
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**Part-Time Course Structure**

<table>
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<tr>
<th>Year, Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits (Semester 1)</th>
<th>Credits (Semester 2)</th>
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<tbody>
<tr>
<td>Year 1, Semester 1</td>
<td>BNB004</td>
<td>Technology &amp; Society</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CEB184</td>
<td>Engineering Mechanics 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CHB002</td>
<td>Introduction to Engineering Chemistry</td>
<td>(2)</td>
<td>(1)</td>
</tr>
<tr>
<td></td>
<td>MAB103</td>
<td>Introductory Engineering Mathematics</td>
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<td>Engineering Physics &amp; Chemistry</td>
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<td>3</td>
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<tr>
<td>Year 3, Semester 1</td>
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<td>CEB240</td>
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<td>CEB241</td>
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<td>CEB261</td>
<td>Hydraulic Engineering 1</td>
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</tbody>
</table>

2 Safety boots must be worn for laboratory work.

11 CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.

12 MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C. All other students must apply for an exemption from this unit.

13 To spread the load on the computer laboratories, students will be allocated to one or other of MEB181 or MEB134.
Year 4, Semester 1
CEB306  Concrete Structures 2  8  3
CEB362  Hydraulic Engineering 2  8  3
CEB370  Public Health Engineering  8  3.5
MAB893  Engineering Mathematics 3  8  3

Year 4, Semester 2
CEB315  Traffic Engineering  8  3
CEB342  Geotechnical Engineering 1  8  3
CEB355  Structural Engineering 3  8  3
CEB371  Water & Wastewater Systems  8  3

Year 5, Semester 1
CEB304/1  Civil Engineering Design 1  8  3.5
CEB309  Construction Practice  8  3.5
CEB403  Professional Practice  8  3
CEB406  Structural Applications  8  3

Year 5, Semester 2
CEB304/2  Civil Engineering Design 1  8  3.5
CEB305  Construction Planning & Economics  8  3
Elective Unit  8
Elective Unit  8

Year 6, Semester 1
CEB405/1  Civil Engineering Design 2  8  4
CEB491/2  Project (Civil)  8  3
Elective Unit  8
Elective Unit  8

Year 6, Semester 2
CEB401  Design Project  8  3
CEB405/2  Civil Engineering Design 2  8  3
CEB491/2  Project (Civil)  8  3
Elective Unit  8

Note: Part-time students who wish to do the Environmental Major must discuss their program with the Course Coordinator.

Elective Units

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>First Semester</td>
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</tbody>
</table>
CEB501  Civil Engineering Practice 1  8  3
CEB505  Project Management & Administration  8  3
CEB512  Transport Engineering 1  8  3
CEB520  Finite Element Methods  8  3
CEB541  Geotechnical Engineering 2  8  3
CEB561  Coastal Engineering  8  3

| Second Semester |
BNB003  Professional Practice in Asia/Pacific  8  3
CEB502  Project Control  8  3
CEB503  Advanced Construction Methods  8  3
CEB506  Civil Engineering Practice 2  8  3
CEB511  Transport Engineering 2  8  3
CEB531  Masonry Design  8  3
CEB542  Geotechnical Engineering 3  8  3
CEB543  Environmental Geotechnology  8  3
CEB551  Advanced Structural Design  8  3
CEB560  Hydraulic Engineering 3  8  3
CEB570  Waste Management  8  3
CEB575  Environmental Impact Assessment  8  3

Notes:
1. Students’ elective programs are subject to approval by the Course Coordinator.

2  Safety boots must be worn for laboratory work.
2. Students may choose approved units from Mathematics, Computing or other degrees subject to approval by the Course Coordinator.

Bachelor of Engineering (Civil) (CE43) (Mid-year Entry)

See course requirements and notes relating to undergraduate courses.

Location: Gardens Point campus

Course Duration: 3.5 years full-time

Total Credit points: 384

Course Coordinator: Professor David Thambiratnam

Professional Recognition
This degree meets the requirements for membership of the Institution of Engineers, Australia.

Special Course Requirements
A candidate for the degree of Bachelor of Engineering (Civil) must obtain at least 60 days of industrial employment in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester following each period of industrial experience, submit to the Faculty Office a report in the required format, describing the work carried out during the period of employment and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record forms are available from outside the Faculty Office, Room 1006, ITE Building, Gardens Point Campus.

Environmental Engineering Major
Students may elect to enter the environmental major of the course at the end of Year 1. This will involve taking, over the length of the course, 96 credit points of alternative core units, prescribed elective units from the main course and some environmental-based topics in design units and project.

<table>
<thead>
<tr>
<th>Course Structure</th>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Year 1, Semester 2</td>
<td>Credit Points</td>
<td>Contact Hrs/Wk</td>
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<tr>
<td></td>
<td>BNB004 Technology &amp; Society</td>
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<td>CEB184 Engineering Mechanics 1</td>
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<td></td>
<td>MAB103 Introductory Engineering Mathematics</td>
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<td>(3)</td>
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<td></td>
<td>OR</td>
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<tr>
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<td>MAB187 Engineering Mathematics 1A</td>
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<td>MEB181 Engineering Communication</td>
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<td>3</td>
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<td>PHB134 Engineering Physics 1B</td>
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<td>PSB907 Surveying</td>
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<td>ESB229 Geology in the Built Environment</td>
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<td>Summer School</td>
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<td>CEB185 Engineering Mechanics 2</td>
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<td>CHB002 Introduction to Engineering Chemistry</td>
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<tr>
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<td>MEB134 Materials 1</td>
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<td></td>
<td>CEB221 Engineering Investigation Analysis &amp; Reporting</td>
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<td></td>
<td>CEB240 Soil Mechanics</td>
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<tr>
<td></td>
<td>CEB254 Structural Engineering 1</td>
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<td>MAB487 Engineering Mathematics 2A</td>
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<tr>
<td></td>
<td>EEB101 Circuits &amp; Measurements</td>
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</table>

11 CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.

12 MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C. All other students must apply for an exemption from this unit.
Students **not** enrolled in the Environmental Major should follow this course structure:

**Year 2, Semester 2**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CEB201</td>
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<td>CEB202</td>
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<td>CEB241</td>
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<td>CEB211</td>
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<td>Structural Engineering 2</td>
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<td>CEB261</td>
<td>Hydraulic Engineering 1</td>
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<tr>
<td>SCB246</td>
<td>Engineering Physics &amp; Chemistry</td>
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**Year 3, Semester 1**

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<td>CEB309</td>
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<td>CEB370</td>
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**Year 3, Semester 2**

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<td>CEB305</td>
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<td>Traffic Engineering</td>
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**Year 4, Semester 1**

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Students **enrolled** for the Environmental Major complete these units:

**Year 2, Semester 2**

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<td>CEB201</td>
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<td>CEB241</td>
<td>Soil Mechanics 2</td>
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<td>Structural Engineering 2</td>
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</tr>
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<td>CEB261</td>
<td>Hydraulic Engineering 1</td>
<td>8</td>
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<td>CEB270</td>
<td>Environmental Science</td>
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<tr>
<td>SCB246</td>
<td>Engineering Physics &amp; Chemistry</td>
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**Year 3, Semester 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CEB304/1</td>
<td>Civil Engineering Design 1</td>
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</tr>
<tr>
<td>CEB309</td>
<td>Construction Practice</td>
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<td>CEB362</td>
<td>Hydraulic Engineering 2</td>
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<td>CEB370</td>
<td>Public Health Engineering 1</td>
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<td>CEB372</td>
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**Year 3, Semester 2**

<table>
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<td>Highway Engineering</td>
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<tr>
<td>CEB304/2</td>
<td>Civil Engineering Design 1</td>
<td>8</td>
</tr>
<tr>
<td>CEB305</td>
<td>Construction Planning &amp; Economics</td>
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<tr>
<td>CEB315</td>
<td>Traffic Engineering</td>
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</tbody>
</table>
CEB371 Water & Wastewater Systems 8 3
CEB543 Environmental Geotechnology 8 3

**Year 4, Semester 1**

CEB403 Professional Practice 8 3
CEB406 Structural Applications 8 3
CEB475/1 Environmental Engineering Design 8 4
CEB491/1 Project (Civil) 8 3
CEB561 Coastal Engineering 8 3
Elective 8

**Year 4, Semester 2**

CEB342 Geotechnical Engineering 1 8 3
CEB471 Environmental Design Project 8 3
CEB475/2 Environmental Engineering Design 8 4
CEB491/2 Project (Civil) 8 3
CEB570 Waste Management 8 3
CEB575 Environmental Impact Assessment 8 3

**Elective Units**

Please see elective unit list for CE42.

---

**Bachelor of Engineering (Electrical and Computer Engineering) (EE44)**

See course requirements and notes relating to undergraduate courses.

**Location:** Gardens Point campus

**Course Duration:** 4 years full-time, 6 years part-time

**Total Credit Points:** 384

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Mr Jim Lyall

**Note:** Continuing students should refer to their course summary sheets or contact the School of Electrical and Electronic Systems Engineering for enrolment details.

**Professional Recognition**

This degree meets the requirements for membership of the Institution of Engineers, Australia and of the Institution of Radio and Electronics Engineers.

The alternative award name, Bachelor of Engineering (Electrical), meets the requirements for membership of the Singapore Professional Engineers Board.

**Special Course Requirements**

A candidate for the degree of Bachelor of Engineering (Electrical and Computer Engineering) must obtain at least 60 days of industrial employment in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester following each period of industrial employment, submit to the Faculty Office a report in the required format, describing the work carried out during the period of employment and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from outside the Faculty Office, Room 1006, ITE Building, Gardens Point campus.

**Full-Time Course Structure (Commencing Students)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>BNB004</td>
<td>Technology &amp; Society</td>
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<td>3</td>
</tr>
<tr>
<td>CEB184</td>
<td>Engineering Mechanics</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHB002</td>
<td>Introduction to Engineering Chemistry</td>
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<td>(1)</td>
</tr>
<tr>
<td>EEB101</td>
<td>Circuits &amp; Measurements</td>
<td>8</td>
<td>3</td>
</tr>
</tbody>
</table>

11 CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAB103</td>
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</tr>
<tr>
<td>MAB187</td>
<td>Engineering Mathematics 1A</td>
<td>8</td>
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<tr>
<td>PHB134</td>
<td>Engineering Physics 1B</td>
<td>8</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one unit from the following:

- MEB181 Engineering Communication 8 4
- MEB134 Materials 1 8 3

**Year 1, Semester 2**

- EEB210 Network Analysis 8 4
- EEB270 Digital Design Principles 8 3
- ITB841 Introduction to Computing 8 3
- MAB188 Engineering Mathematics 1B 8 4
- PHB234 Engineering Physics 2B 8 3

Select the unit not undertaken in Semester 1

- MEB134 Materials 1 8 3
- MEB181 Engineering Communication 8 4

**Year 2, Semester 1**

- EEB310 Network Synthesis 8 4
- EEB350 Electrical Energy Conversion 1 8 3
- EEB362 Introduction to Telecommunications 8 3
- EEB375 Electronics 1 8 4
- EEB390 Engineering Computing 1 8 3
- MAB485 Engineering Mathematics 2C 8 3

**Year 2, Semester 2**

- EEB420 Control Systems 1 8 3
- EEB450 Electrical Energy Conversion 2 8 3
- EEB475 Microprocessor Systems 8 3
- EEB476 Electronics 2 8 3
- EAB486 Engineering Mathematics 2D 8 3
- MEB111 Dynamics 8 3

**Year 3, Semester 1**

- EEB530 Engineering Electromagnetics 8 3
- EEB565 Signals & Linear Systems 8 3
- EEB587 Design 1 8 3
- EEB593 Software Systems Engineering 8 3
- MAB893 Engineering Mathematics 3 8 3

Elective Unit 1 (select from List A) 8 3

**Year 3, Semester 2**

- EEB624 Control Systems 2 8 3
- EEB665 Transmission & Propagation 8 3
- EEB668 Digital Signal Processing 8 3
- EEB693 Real-time Operating Systems 8 3
- EEB788 Design 2 8 3

Elective Unit 2 (select from List B) 8 3

**Year 4, Semester 1**

- EEB380 Engineering Management Skills 8 3
- EEB682 Engineering Business Skills 8 3
- EEB885 Design 3 8 3
- EEB889/1 Project 8 4

Elective Unit 3 (select from List C) 8 3

Elective Unit 4 (select from List C) 8 3

**Year 4, Semester 2**

- EEB820 Engineering Management 8 3
- EEB881 Production Technology & Quality 8 3
- EEB889/2 Project 16 6

Elective Unit 5 (select from List D) 8 3

Elective Unit 6 (select from List D) 8 3

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12 MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C. All other students must apply for an exemption from this unit.
**Elective Lists**

**List A, ‘A’ Electives**
- EEB532 Power Systems 1 8 3
- EEB564 Information Theory Modulation & Noise 8 3
- EEB974 VLSI Circuits & Systems 8 3

**List B, ‘A’ Electives**
- EEB632 Power Systems 2 8 3
- EEB667 Digital Communications 8 3
- EEB871 Applied Electronics 8 3

**List C, ‘A’ Electives**
- EEB741 Power Systems Analysis 8 3
- EEB752 Power Electronics 8 3
- EEB762 Communications Technology 8 3
- EEB763 Modern Signal Processing 8 3
- EEB765 Microwave & Antenna Technology 8 3
- EEB791 Advanced Engineering Computing 1 8 3
  OR
  a third year ‘A’ elective not yet completed
  OR
  a ‘B’ elective. (See list below for B elective units. These will only be offered if enrolments are sufficient.
  Only one ‘B’ elective per semester may be chosen.)

**List D, ‘A’ Electives**
- EEB822 Advanced Control Systems 8 3
- EEB842 Power Systems Engineering 8 3
- EEB869 Signal Filtering & Estimation 8 3
- EEB891 Signal Computing & Real Time DSP 8 3
- EEB892 Advanced Engineering Computing 2 8 3
  OR
  a third year ‘A’ elective not yet completed
  OR
  a ‘B’ elective not yet completed.

**‘B’ Electives**
These units will only be offered if enrolments are sufficient.
- BNB003 Professional Practice in Asia/Pacific 8 3
- EEB910 Photovoltaic Engineering 8 3
- EEB923 Industrial Control Systems 8 3
- EEB957 High Voltage Equipment 8 3
- EEB958 Electrical Energy Utilisation 8 3
- EEB959 Power Electronics Applications 8 3
- EEB963 Statistical Communications 8 3
- EEB965 Microwave Systems Engineering 8 3
- EEB975 Electromagnetic Compatibility 8 3
- EEB990 Advanced Information Technology Topics 8 3
- EEB999 Advanced Electrical Engineering Topics 8 3

At the discretion of the Course Coordinator, students may be allowed to select an elective from advanced topics offered by the Faculty of Science, Faculty of Information Technology or other Schools in the Faculty of Built Environment and Engineering.

Also, potential Honours students may, with the approval of the Course Coordinator, select an elective from the postgraduate degree courses offered by the School of Electrical and Electronic Systems Engineering.

**Part-Time Course Structure**

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<thead>
<tr>
<th>Year 1, Semester 1</th>
<th><strong>Credit Points</strong></th>
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\(^{11}\) CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.
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<tr>
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<td>MAB188 Engineering Mathematics 1B</td>
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<td>EEB350 Electrical Energy Conversion 1</td>
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<th>Year 6, Semester 1</th>
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<td>EEB885 Design 3</td>
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<td>EEB889/1 Project</td>
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<tr>
<td>Elective Unit 3 (select from List C)</td>
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<tr>
<td>Elective Unit 4 (select from List C)</td>
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12 MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C. All other students must apply for an exemption from this unit.
Elective Lists
Refer to elective lists under full-time course structure.

Bachelor of Engineering (Electrical and Computer Engineering) (EE45) (Mid-year Entry)

See course requirements and notes relating to undergraduate courses.

Location: Gardens Point campus
Course Duration: 3.5 years full-time
Total Credit Points: 384
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Mr Jim Lyall

Professional Recognition
This degree meets the requirements for membership of the Institution of Engineers, Australia and of the Institution of Radio and Electronics Engineers.

The alternative award name, Bachelor of Engineering (Electrical), meets the requirements for membership of the Singapore Professional Engineers Board.

Note: Continuing students should refer to their course summary sheets or contact the School of Electrical and Electronic Systems Engineering for enrolment details.

Special Course Requirements
A candidate for the degree of Bachelor of Engineering (Electrical and Computer Engineering) must obtain at least 60 days of industrial employment in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester following each period of industrial employment, submit to the Faculty Office a report in the required format, describing the work carried out during the period of employment and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from outside the Faculty Office, Room 1006, ITE Building, Gardens Point campus.

Students should not formally enrol in industrial experience.

Course Structure

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<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tr>
<td>BNB004 Technology &amp; Society</td>
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<td>CEB184 Engineering Mechanics 1</td>
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<td>EEB101 Circuits &amp; Measurements</td>
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<td>ITB841 Introduction to Computing</td>
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<td>EEB210 Network Analysis</td>
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\(^{11}\) CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.

\(^{12}\) MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C. All other students must apply for an exemption from this unit.
<table>
<thead>
<tr>
<th>Code</th>
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**Year 2, Semester 1**

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<td>Introduction to Telecommunications</td>
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Select one unit from the following:

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<td>MEB134</td>
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**Year 2, Semester 2**

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<td>Microprocessor Systems</td>
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<td>EEB476</td>
<td>Electronics 2</td>
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<td>MAB486</td>
<td>Engineering Mathematics 2D</td>
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<td>MEB111</td>
<td>Dynamics</td>
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Select the unit not undertaken in Semester 1:

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<th>Semester</th>
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**Year 3, Semester 1**

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**Year 3, Semester 2**

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**Year 4, Semester 1**

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**Year 4, Semester 2**

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**Elective Lists**

Refer to Elective Lists for EE44 full-time course structure.
Bachelor of Engineering (Mechanical) (ME45)

See course requirements and notes relating to undergraduate courses.

Location: Gardens Point

Course Duration:
Normal Entry: 4 years full-time, 6 years part-time
Articulation from Bachelor of Technology (ME35): 3 years part-time

Total Credit Points: 384/144

Standard Credit Points/Full-Time Semester: 48/24

Course Co-ordinator: Mr Jack Laracy

Professional Recognition
This degree is recognised for the purpose of membership of the Institution of Engineers, Australia.

Special Course Requirements
A candidate for the degree of Bachelor of Technology must obtain at least 50 days of industrial employment in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester immediately following each period of industrial experience, submit to the Faculty Office, a report in the required format, describing the work carried out during the period of experience and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from outside the Faculty Office, Room 1006, ITE Building, Gardens Point campus.

Students should not formally enrol in industrial employment.

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<td>MEB352 Thermodynamics 1</td>
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<td>MEB363 Fluids 1</td>
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<td>MEB381 Design 2</td>
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</tbody>
</table>

\(^{11}\) CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.

\(^{12}\) MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C. All other students must apply for an exemption from this unit.
### Year 2, Semester 2
- MAB488  Engineering Mathematics 2B 8 3
- MEB336  Materials Technology 2 8 4
- MEB455  Thermodynamics 2 8 4
- MEB466  Fluids 2 8 4
- MEB473  Manufacturing Engineering 1 8 4
- MEB483  Design 3 8 3

### Year 3, Semester 1
- MAB893  Engineering Mathematics 3 8 3
- MEB554  Heat Transfer 8 4
- MEB572  Manufacturing Engineering 2 8 4
- MEB613  Mechanics 2 8 4
- MEB662  Fluid Power 8 4
- Elective Unit (Select from List A) 8 3

### Year 3, Semester 2
- MEB513  Stress Analysis 8 4
- MEB514  Noise and Vibrations 8 4
- MEB641  Automation 1 8 4
- MEB661  Tribology 8 4
- MEB672  Total Quality Management 8 3
- Elective Unit (Select from List A) 8 3

### Year 4, Semester 1
- EFB002  Financial Management for Engineers 8 2
- MEB711  Automation 2 8 4
- MEB801/1  Project 16 6
- MEB912  Finite Element Analysis 8 3
- Elective Unit (Select from List A) 8 3

### Year 4, Semester 2
- MGB002  Industrial Management 6 2
- MEB775  Technology Management 8 3
- MEB801/2  Project 24 8
- Elective Unit (Select from List A) 8 3

### Part-Time Course Structure

#### Year 1, Semester 2
- BNB004  Technology and Society 8 3
- CEB184  Engineering Mechanics 1 8 3
- CHB002  Introduction to Engineering Chemistry 11 (2) 1
- MAB103  Introductory Engineering Mathematics 12 (8) 3
- MAB187  Engineering Maths 1A 8 3
- MEB181  Engineering Communication 8 4

#### Year 2, Semester 2
- MAB188  Engineering Maths 1B 8 3
- MEB143  Materials 1 8 3
- MEB213  Mechanics of Solids 8 4
- MEB282  Design 1 8 4

#### Year 2, Semester 1
- EEB101  Circuits and Measurements 8 3
- MEB232  Materials Technology 1 8 4
- MEB352  Thermodynamics 1 8 4
- PHB134  Engineering Physics 1B 8 3

#### Year 2, Semester 2
- EEB209  Electrical Engineering 2M 8 3
- MEB111  Dynamics 8 3

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11 CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.

12 MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C. All other students must apply for an exemption from this unit.
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<thead>
<tr>
<th>Course</th>
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<th>ECTS</th>
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<tr>
<td>MEB336 Materials Technology 2</td>
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<td>4</td>
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<tr>
<td>MEB455 Thermodynamics 2</td>
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**Year 3, Semester 1**
- MAB487 Engineering Maths 2A 8 3
- MEB314 Mechanics 1 8 4
- MEB363 Fluids 1 8 4
- MEB381 Design 2 8 3

**Year 3, Semester 2**
- MAB488 Engineering Mathematics 2B 8 3
- MEB466 Fluids 2 8 4
- MEB473 Manufacturing Engineering 1 8 4
- MEB483 Design 3 8 3

**Year 4, Semester 1**
- MAB893 Engineering Mathematics 3 8 3
- MEB572 Manufacturing Engineering 2 8 4
- MEB613 Mechanics 2 8 4
- MEB662 Fluid Power 8 4

**Year 4, Semester 2**
- MEB513 Stress Analysis 8 4
- MEB514 Noise and Vibrations 8 4
- MEB641 Automation 1 8 4
- MEB672 Total Quality Management 8 3

**Year 5, Semester 1**
- EFB002 Financial Management for Engineers 8 2
- MEB554 Heat Transfer 8 4
- MEB711 Automation 2 8 4
- Elective Unit (Select from List A) 8 3

**Year 5, Semester 2**
- MGB002 Industrial Management 6 2
- MEB661 Tribology 8 4
- MEB775 Technology Management 8 3
- Elective Unit (Select from List B) 8 3/4

**Year 6, Semester 1**
- MEB801/1 Project 16 6
- MEB912 Finite Element Analysis 8 3
- Elective Unit (Select from List C) 8 3

**Year 6, Semester 2**
- MEB801/2 Project 24 8
- Elective Unit (Select from List D) 8 3

**Course Structure for Articulation from Bachelor of Technology (ME35)**

**Entry Requirement:** Bachelor of Technology (Mechanical)

**Year 1, Semester 1**
- EFB002 Financial Management for Engineers 8 3
- MAB487 Engineering Mathematics 2A 8 3
- MEB613 Mechanics 2 8 4

**Year 1, Semester 2**
- MAB488 Engineering Mathematics 2B 8 3
- MEB455 Thermodynamics 2 8 4
- MEB466 Fluids 2 8 4

**Year 2, Semester 1**
- MEB554 Heat Transfer 8 4
- MEB662 Fluid Power 8 4
- Elective Unit (select one unit from list below, not previously undertaken in any course)
  - MEB456 Air Conditioning 8 3
  - MEB503 Special Topic 1 8 3
  - MEB776 Design for Manufacturing 2 8 3
<table>
<thead>
<tr>
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<th>Course Title</th>
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**Year 2, Semester 2**

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**Year 3, Semester 1**

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**Year 3, Semester 2**

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<td>MEB514</td>
<td>Noise and Vibrations</td>
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<td>MEB802/2</td>
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**Elective Lists**

**List A**

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<td>8</td>
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<td>MEB503</td>
<td>Special Topic 1</td>
<td>8</td>
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<td>MEB532</td>
<td>Advanced Materials</td>
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<td>MEB776</td>
<td>Design for Manufacturing 2</td>
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**List B**

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<td>MEB682</td>
<td>Advanced Mechanical Design</td>
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<td>MEB873</td>
<td>Computer Integrated Manufacturing</td>
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<td>MEB952</td>
<td>Process Plant Design</td>
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**List C**

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<td>MEB702</td>
<td>Special Topic 3</td>
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<td>MEB777</td>
<td>Operations Management</td>
<td>8</td>
<td>3</td>
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<td>MEB951</td>
<td>Energy and Environment</td>
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<td>3</td>
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<td>MEB984</td>
<td>Design of Power Transmission Systems</td>
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**List D**

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<tr>
<td>BNB003</td>
<td>Professional Practice in Asia/Pacific</td>
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<td>MEB803</td>
<td>Special Topic 4</td>
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<td>MEB811</td>
<td>Industrial Noise and Vibration</td>
<td>8</td>
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<td>MEB961</td>
<td>Fluid Systems Design</td>
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© Bachelor of Engineering (Mechanical) (ME47) (Mid-Year Entry)

See course requirements and notes relating to undergraduate courses.

**Location:** Gardens Point

**Course Duration:** 3.5 years full-time plus Summer School

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Mr Jack Laracy

**Professional Recognition**

This degree is recognised for the purpose of membership of the Institution of Engineers, Australia.

**Special Course Requirements**

A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial employment in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester immediately following each period of industrial experience, submit to the Faculty Office, a report in the required format, describing the work carried out during the period of experience and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from outside the Faculty Office, Room 1006, ITE Building, Gardens Point campus.

Students should not formally enrol in industrial employment.
<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
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<tr>
<td>BNB004 Technology and Society</td>
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<td>CEB184 Engineering Mechanics 1</td>
<td>8</td>
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<tr>
<td>MAB103 Introductory Engineering Mathematics(^{12})</td>
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<tr>
<td>MAB187 Engineering Maths 1A</td>
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<td>MEB111 Dynamics</td>
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<td>PHB134 Engineering Physics 1B</td>
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<td>MEB134 Materials 1</td>
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<td>OR</td>
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<td>MEB181 Engineering Communication</td>
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<td>MAB188 Engineering Mathematics 1B</td>
<td>8</td>
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<td>MEB213 Mechanics of Solids</td>
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<td>MEB282 Design 1</td>
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<td>MEB232 Materials Technology 1</td>
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<td>MEB314 Mechanics 1</td>
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<td>MEB363 Fluids 1</td>
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<td>MEB466 Fluids 2</td>
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<td>MEB473 Manufacturing Engineering 1</td>
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<td>MEB641 Automation 1</td>
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<tr>
<td>MEB661 Tribology</td>
<td>8</td>
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<tr>
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<td>MEB801/2 Project</td>
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\(^{11}\) CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.

\(^{12}\) MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C. All other students must apply for an exemption from this unit.
MGB002 Industrial Management 6 2
Elective Unit (Select from List D) 8 3

**Elective lists**

**List A**
- MEB456 Air Conditioning 8 3
- MEB503 Special Topic 1 8 3
- MEB532 Advanced Materials 8 3
- MEB776 Design for Manufacturing 2 8 3

**List B**
- MEB602 Special Topic 2 8 3
- MEB682 Advanced Mechanical Design 8 3
- MEB873 Computer Integrated Manufacturing 8 4
- MEB952 Process Plant Design 8 3

**List C**
- MEB702 Special Topic 3 8 3
- MEB777 Operations Management 8 3
- MEB951 Energy and Environment 8 3
- MEB984 Design of Power Transmission Systems 8 3

**List D**
- BNB003 Professional Practice in Asia/Pacific 8 3
- MEB803 Special Topic 4 8 3
- MEB811 Industrial Noise and Vibration 8 3
- MEB961 Fluid Systems Design 8 3

### Bachelor of Engineering (Medical) (ME46)

See course requirements and notes relating to undergraduate courses.

**Location:** Gardens Point

**Course Duration:** 4 years full-time

**Total Credit Points:** 384

**Course Coordinator:** Professor Mark Pearcy

**Professional Recognition**

Preliminary accreditation for the course has been received from the Institution of Engineers, Australia. Full accreditation will be sought when the course has produced its first graduates. If accreditation is granted, graduates will be professionally recognised to practice as biomedical engineers.

**Special Course Requirements**

A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial employment in an engineering environment approved by the course coordinator.

Candidates must, not later than the fourth week of semester immediately following each period of industrial experience, submit to the Faculty Office, a report in the required format, describing the work carried out during the period of experience and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from outside the Faculty Office, Room 1006, ITE Building, Gardens Point campus.

Students should not formally enrol in industrial employment.

**Full-time Course Structure**

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<td>ITB842 Unix &amp; C for Engineers</td>
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<td>LSB133 Anatomy</td>
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*12 MAB103 Introductory Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Maths C. All other students must apply for an exemption from this unit.
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<td>Materials 1</td>
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<td>MEB191</td>
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**Year 1, Semester 2**

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**Year 2, Semester 1**

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<tr>
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**Year 2, Semester 2**

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**Year 4, Semester 1**

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**Year 4, Semester 2**

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<td>MEB672</td>
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**Elective lists**

**List A**

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<td>HMB615</td>
<td>Exercise Physiology</td>
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<td>HMB617</td>
<td>Workplace Health</td>
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<td>MEB691</td>
<td>Biomechanical Modelling</td>
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**List B**

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<tr>
<td>HMB610</td>
<td>Clinical Measurement</td>
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<td>HMB614</td>
<td>Biophysical Bases of Movement Rehabilitation</td>
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MEB792 Medical Informatics  
8 3
PUB210 Occupational Health and Safety 1 
8 4

List C
HMB616 Psychology of Rehabilitation  
8 3
MEB780 Rehabilitation Equipment Design and Evaluation  
8 3
MEB804 Implant Design  
8 3
MEB892 Robotics in Health Care  
8 3

Bachelor of Surveying (PS47)

See course requirements and notes relating to undergraduate courses.

Location: Gardens Point campus

Course Duration: 4 years full-time

Total Credit Points: 384

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Kevin Jones

Professional recognition

This degree meets the educational requirements for registration and licensing by the Surveyors Board of Queensland and also satisfies the academic requirements for admission as a member of both the Institution of Surveyors (Australia) and the Mapping Sciences Institute, Australia.

Special Course Requirements

Students must obtain at least 90 days industrial employment in a surveying/mapping environment approved by the Course Coordinator.

Students, must not later than the fourth week of the semester immediately following each period of industrial employment, submit to the Course Coordinator a report or diary in the required format, describing the work carried out during the period of industrial employment and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from the School of Planning, Landscape Architecture, and Surveying Office or from outside the Faculty Office, Room 1006, ITE Building, Gardens Point campus. Should employment exceed the minimum required, it is strongly recommended that these details also be recorded in the report or diaries and certified by the employer as a record of experience which may be used when seeking registration or licensing by the Surveyors Board. Students should not formally enrol in industrial employment.

Students are required: (a) to attend compulsory field practicals off-campus in the Moreton region, and (b) to have access to an advanced scientific calculator for use during the course.

Specialisations

There are two specialisations built into the course – Surveying and Mapping. Most units are common to both specialisations. However, in specific semesters, specialised units are to be undertaken in either surveying or mapping and these are highlighted in the course structure.

Course Structure

<table>
<thead>
<tr>
<th>Course Code</th>
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| Year 1, Semester 1

ITB841  Introduction to Computing  
MAB103  Introductory Engineering Mathematics\(^{15}\)  
MAB187  Engineering Mathematics IA  
PHB172  Physics for Surveyors  
PSB315  Land Administration 1  
PSB325  Land Surveying 1  
PSB348  Seminar
8 3
(8) (3)
8 4
8 3
6 3
8 3
8 3

15 MAB103 Introductory Engineering Mathematics is to be taken only by those students not obtaining a SA or better in Queensland Maths C. Students who do not pass MAB103 will not be permitted to enrol in MAB187 Engineering Mathematics IA.
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ESB229 Geology in the Built Environment 8 3</td>
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<tr>
<td>MAB188 Engineering Mathematics 1B 8 4</td>
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<td>PSB054 Environmental Studies 4 2</td>
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<td>PSB306 Cartography 1 8 3</td>
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<td>PSB316 Land Administration 2 8 3</td>
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<td>PSB323 Land Studies 1 6 3</td>
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<td>PSB319 Land Administration 5 6 3 3</td>
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<td>PSB327 Land Surveying 3 10 3</td>
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<td>PSB346 Spheroidal Computations 6 3</td>
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<td>PSB320 Land Development Practice 1 8 3</td>
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16 This unit is to be undertaken by students in the Surveying strand only.

17 This unit is to be undertaken by students in the Mapping strand only.
### Elective Units

#### Semester 1
- CNB567 Real Estate Market Analysis 8 2
- CNB701 Real Estate Accounting 8 2
- CNB705 Property & Asset Management 1 8 2
- CNB712 Property Investment Analysis 1 8 3
- CNP434 Time Management 6 2
- PSB018 Land Use Generation 4 2
- PSB021 Conservation Theory 2 1
- PSB319 Land Administration 5 6 3
- PSB337 Photogrammetry 4 6 3
- PSB902 Urban Planning 1 4 2

#### Semester 2
- CNB568 Real Estate Practice 8 2
- CNB709 Property & Asset Management 2 8 2
- CNB711 Real Estate Accounting & Finance 12 3
- PSB020 Land Use Policies 4 2
- PSB032 Issues and Ethics 2 1
- PSB059 Population & Urban Studies 6 2
- PSB061 Impacts & Assessment 5 2
- PSB063 Housing & Community Services 5 2
- PSB311 Geodesy 2 6 3
- PSB341 Remote Sensing 2 8 3
- PSB347 Topics in Engineering Survey 6 3

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**Bachelor of Surveying (PS48) (Mid-year Entry)**

See course requirements and notes relating to undergraduate courses.

**Location:** Gardens Point campus

**Course Duration:** 3.5 years full-time

**Total Credit Points:** 384

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Mr Kevin Jones

**Professional Recognition**

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<td>3</td>
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<tr>
<td>PSB336 Photogrammetry 3</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>PSB343 Spatial Information Science 2(^\text{17})</td>
<td>8</td>
<td>3</td>
</tr>
</tbody>
</table>

\(^\text{15}\) MAB103 Introductory Engineering Mathematics is to be taken only by those students not obtaining a SA or better in Queensland Maths C. Students who do not pass MAB103 will not be permitted to enrol in MAB187 Engineering Mathematics 1A.

\(^\text{16}\) This unit is to be undertaken by students in the Surveying strand only.

\(^\text{17}\) This unit is to be undertaken by students in the Mapping strand only.
Year 4, Semester 1
CEB564 Engineering Science 4 6 3
PSB321 Land Development Practice 2 8 3
PSB331 Land Surveying 7 8 3
PSB339/1 Project 8 3
PSB340 Remote Sensing 1 6 3
PSB344 Spatial Information Science 3 8 3
Elective Unit 4

Year 4, Semester 2
PSB322 Land Development Practice 3 16 6
PSB332 Land Surveying 8 8 3
PSB338 Professional Practice 6 3
PSB339/2 Project 8 3
PSB345 Spatial Information Science 4 8 3
Elective Unit 10

Elective Units
Please refer to Elective Units List for PS47 Bachelor of Surveying.

Bachelor of Technology (Civil) (CE31)

See course requirements and notes relating to undergraduate courses

Location: Gardens Point campus

Course Duration:
Normal entry: 3 years full-time
Articulation from Associate Diploma: 3 years part-time

Standard Credit Points/Full-Time Semester:
Normal entry: 48
Articulation from Associate Diploma: 24

Course Coordinator: Associate Professor Frank Bullen

Entry requirements
□ Normal entry
Applicants must have completed Year 12 (or its equivalent) and, in addition, have obtained a minimum grade of Sound Achievement over four semester units in each of Senior English and Mathematics B (Mathematics 1, units 1, 2 and 3).

□ Articulation from Associate Diploma
Applicants require an Associate Diploma in Civil Engineering from a university, TAFE college, or equivalent. Holders of Associate Diplomas from places other than QUT must have undertaken certain prerequisite units but may also seek exemptions.

Professional Recognition
Preliminary accreditation has been granted by the Institution of Engineers, Australia (IEAust). Further recognition for the course will be sought in accordance with IEAust regulations once the initial intake of students passes the halfway stage of the course. Full recognition will be obtained from the IEAust when the course produces its first graduates. When full recognition has been gained, graduates will be eligible for affiliate membership of the IEAust, providing them with official recognition as engineering technologists.

Special Course Requirements
A candidate for the degree of Bachelor of Technology (Civil) must obtain at least 45 days of industrial employment in an engineering environment approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester following each period of industrial employment, submit to the Faculty Office a report in the required format, describing the work carried out during the period of employment and including an Industrial Experience Record Form signed by the employer.

16 This unit is to be undertaken by students in the Surveying strand only.
17 This unit is to be undertaken by students in the Mapping strand only.
Industrial Experience Record forms are available from outside the Faculty Office, Room 1006, ITE Building, Gardens Point Campus.

<table>
<thead>
<tr>
<th>Full-Time Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
</table>

### NORMAL ENTRY

#### Year 1, Semester 1
- BNB004 Technology & Society: 8 Credit Points, 3 Contact Hrs/Wk
- CEB106 Experimental Design & Analysis: 8 Credit Points, 3 Contact Hrs/Wk
- CEB108 Applied Physics: 8 Credit Points, 4 Contact Hrs/Wk
- CEB184 Engineering Mechanics 1: 8 Credit Points, 3 Contact Hrs/Wk
- MAB103 Introductory Engineering Mathematics: 8 Credit Points, 3 Contact Hrs/Wk
- MEB181 Engineering Communication: 8 Credit Points, 4 Contact Hrs/Wk

#### Year 1, Semester 2
- CEB185 Engineering Mechanics 2: 8 Credit Points, 3 Contact Hrs/Wk
- CEB203 CAD for Civil Engineers: 8 Credit Points, 3 Contact Hrs/Wk
- ESB229 Geology in the Built Environment: 8 Credit Points, 2 Contact Hrs/Wk
- MAB187 Engineering Mathematics 1A: 8 Credit Points, 4 Contact Hrs/Wk
- PHB134 Engineering Physics 1A: 8 Credit Points, 3 Contact Hrs/Wk
- PSB907 Surveying: 8 Credit Points, 3 Contact Hrs/Wk

#### Year 2, Semester 1
- CEB170 Engineering Science: 8 Credit Points, 3 Contact Hrs/Wk
- CEB221 Engineering Investigation, Analysis & Reporting: 8 Credit Points, 4 Contact Hrs/Wk
- CEB240 Soil Mechanics 1: 8 Credit Points, 3 Contact Hrs/Wk
- CEB260 Fluid Mechanics: 8 Credit Points, 4 Contact Hrs/Wk
- CEB293 Civil Engineering Materials: 8 Credit Points, 3 Contact Hrs/Wk
- MAB188 Engineering Mathematics 1B: 8 Credit Points, 4 Contact Hrs/Wk

#### Year 2, Semester 2
- CEB204 Computer Applications: 8 Credit Points, 3 Contact Hrs/Wk
- CEB211 Highway Engineering: 8 Credit Points, 4 Contact Hrs/Wk
- CEB241 Soil Mechanics 2: 8 Credit Points, 3 Contact Hrs/Wk
- CEB261 Hydraulic Engineering: 8 Credit Points, 3.5 Contact Hrs/Wk
- CEB270 Environmental Science: 8 Credit Points, 3 Contact Hrs/Wk
- MAB185 Introduction to Statistics: 8 Credit Points, 3.5 Contact Hrs/Wk

#### Year 3, Semester 1
- CEB224 Advanced Civil Engineering Software: 8 Credit Points, 3 Contact Hrs/Wk
- CEB225 Civil Project A: 8 Credit Points, 4 Contact Hrs/Wk
- CEB254 Structural Engineering 1: 8 Credit Points, 3 Contact Hrs/Wk
- CEB309 Construction Practice: 8 Credit Points, 3.5 Contact Hrs/Wk
- CEB370 Public Health Engineering: 8 Credit Points, 3.5 Contact Hrs/Wk
- CEB372 Environmental Technology: 8 Credit Points, 3 Contact Hrs/Wk

#### Year 3, Semester 2
- CEB202 Concrete Structures 1: 8 Credit Points, 3.5 Contact Hrs/Wk
- CEB226 Civil Projects B: 8 Credit Points, 4 Contact Hrs/Wk
- CEB227 Civil Investigation Project: 8 Credit Points, 4 Contact Hrs/Wk
- CEB305 Construction Planning & Economics: 8 Credit Points, 3 Contact Hrs/Wk
- Elective Unit: 8 Credit Points, 3 Contact Hrs/Wk
- Elective Unit: 8 Credit Points, 3 Contact Hrs/Wk

### ARTICULATION PROGRAM

#### Entry Requirements
Applicants for the Articulation Program require an Associate Diploma in Civil Engineering from a University, TAFE college or equivalent. A student holding an Associate Diploma from an institution other than QUT must have undertaken certain prerequisite subjects but may also seek credit.

#### Mid-Year Full-Time Program
- CEB204 Computer Applications: 8 Credit Points, 3 Contact Hrs/Wk
- CEB261 Hydraulic Engineering: 8 Credit Points, 3.5 Contact Hrs/Wk
- CEB270 Environmental Science: 8 Credit Points, 3 Contact Hrs/Wk
- CEB294 Engineering Science: 8 Credit Points, 4 Contact Hrs/Wk
MAB187    Engineering Mathematics 1A  8  4
PHB134    Engineering Physics 1A  8  3

**Year 2, Semester 1**
CEB221    Engineering Investigation, Analysis & Reporting  8  4
CEB224    Advanced Civil Engineering Software  8  3
CEB225    Civil Project A  8  4
CEB254    Structural Engineering 1  8  3.5
CEB372    Environmental Technology  8  3
MAB188    Engineering Mathematics 1B  8  4

**Year 2, Semester 2**
CEB202    Concrete Structures 1  8  3.5
CEB226    Civil Projects B  8  4
CEB227    Civil Investigation Project  8  4
CEB241    Soil Mechanics 2  8  3
CEB305    Construction Planning & Economics  8  3
MAB185    Introduction to Statistics  8  3

**Part-Time Program**
CEB221    Engineering Investigation, Analysis and Reporting  8  4
CEB294    Engineering Science  8  4
PHB134    Engineering Physics 1B  8  3

**Year 1, Semester 2**
CEB261    Hydraulic Engineering 1  8  3.5
CEB270    Environmental Science  8  3
MAB187    Engineering Mathematics 1A  8  4

**Year 2, Semester 1**
CEB254    Structural Engineering 1  8  3.5
CEB372    Environmental Technology  8  3
MAB188    Engineering Mathematics 1B  8  4

**Year 2, Semester 2**
CEB202    Concrete Structures 1^2  8  3.5
CEB204    Computer Applications  8  3
CEB241    Soil Mechanics 2  8  3

**Year 3, Semester 1**
CEB224    Advanced Civil Engineering Software  8  3
CEB225    Civil Projects A^2  8  4
MAB185    Introduction to Statistics  8  3

**Year 3, Semester 2**
CEB226    Civil Projects B^2  8  4
CEB227    Civil Investigation Project^2  8  4
CEB305    Construction Planning & Economics  8  3

**Elective units**
CEB315    Traffic Engineering  8  3
CEB371    Water & Wastewater Systems  8  3
OR
Any other approved unit from the Bachelor of Engineering (Civil) Course.

■ **Bachelor of Technology (Mechanical) (ME35)**

See course requirements and notes relating to undergraduate courses.

**Location:** Gardens Point

**Course Duration:**
*Direct Entry:* 3 years full-time
*Articulation from Associate Diploma:* 3 years part-time

**Total Credit Points:** 288/144

^2 Safety boots must be worn for laboratory work.
Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Andy Tan

**Special Course Requirements**
A candidate for the degree of Bachelor of Technology (Mechanical) must obtain at least 50 days of industrial experience, with a minimum of 25 days in an engineering environment, approved by the Course Coordinator.

Candidates must, not later than the fourth week of semester immediately following each period of industrial experience, submit to the Faculty Office, a report in the required format, describing the work carried out during the period of experience and including an Industrial Experience Record Form signed by the employer. Industrial Experience Record Forms are available from outside the Faculty Office, Room 1006, ITE Building, Gardens Point campus.

Students should not formally enrol in industrial employment.

Students will be permitted to articulate to the Bachelor of Engineering (Mechanical) in mid-course only after the completion of 48 credit points with a GPA (Grade Point Average) of 5.5 or above in the Bachelor of Technology (Mechanical).

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>DIRECT ENTRY</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BNB004 Technology and Society</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CEB184 Engineering Mechanics 1</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHB002 Introduction to Engineering Chemistry(^{11})</td>
<td>(2)</td>
<td>1</td>
</tr>
<tr>
<td>EEB101 Circuits and Measurements</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MAB103 Introductory Engineering Mathematics</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>PHEB01 Introductory Physics</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MEB181 Engineering Communication</td>
<td>8</td>
<td>4</td>
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<tr>
<td><strong>Year 1, Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EEB209 Electrical Engineering 2M</td>
<td>8</td>
<td>3</td>
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<tr>
<td>MAB187 Engineering Mathematics 1A</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MEB134 Materials 1</td>
<td>8</td>
<td>3</td>
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<tr>
<td>MEB175 Manufacturing Practice 1</td>
<td>8</td>
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<tr>
<td>MEB612 Mechanical Measurement</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>PHEB134 Engineering Physics 1B</td>
<td>8</td>
<td>3</td>
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<tr>
<td><strong>Year 2, Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAB188 Engineering Mathematics 1B</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MEB275 Manufacturing Practice 2</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MEB283 Computer Aided Design &amp; Drafting</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>MEB352 Thermodynamics 1</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>MEB363 Fluids 1</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>MGB004 Managing People at Work</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td><strong>Year 2, Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAB185 Introduction to Statistics</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MEB111 Dynamics</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MEB213 Mechanics of Solids</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>MEB232 Materials Technology 1</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MEB282 Design 1</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>MEB473 Manufacturing Engineering 1</td>
<td>8</td>
<td>4</td>
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<tr>
<td><strong>Year 3, Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEB314 Mechanics 1</td>
<td>8</td>
<td>4</td>
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<tr>
<td>MEB355 Thermofluids</td>
<td>8</td>
<td>3</td>
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<tr>
<td>MEB381 Design 2</td>
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<td>3</td>
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<tr>
<td>MEB501/1 Project</td>
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<td>3</td>
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<tr>
<td>MEB572 Manufacturing Engineering 2</td>
<td>8</td>
<td>4</td>
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<tr>
<td>Elective Unit (Select from List A)</td>
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<td>3</td>
</tr>
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</table>

\(^{11}\) CHB002 Introduction to Engineering Chemistry is to be taken by those students not obtaining a SA in Year 12 Chemistry. All other students must apply for an exemption from this unit.
Year 3, Semester 2
MEB501/2 Project 8 3
MEB661 Tribology 8 4
MEB672 Total Quality Management 8 3
MEB743 Reliability & Maintenance Management 8 3
MGB001 Human Resources and Industrial Relations 8 2
Elective Unit (Select from List B) 8 3/4

Elective Lists

List A
MEB503 Special Topic 1 8 3
MEB776 Design for Manufacturing 2 8 3
MEB777 Operations Management 8 3
MEB951 Energy and the Environment 8 3

List B
BNB003 Professional Practice in Asia/Pacific 8
MEB602 Special Topic 2 8 3
MEB775 Technology Management 8 3
MEB873 Computer Integrated Manufacturing 8 4

Part-Time Course Structure

ARTICULATION FROM ASSOCIATE DIPLOMA OR EQUIVALENT

Entry Requirements
Associate Diploma or equivalent.

Year 1, Semester 1
MAB187 Engineering Mathematics 1A 8 3
MEB232 Materials Technology 1 8 3
MGB004 Managing People at Work 8 2

Year 1, Semester 2
MAB188 Engineering Mathematics 1B 8 3
MEB111 Dynamics 8 3
MEB672 Total Quality Management 8 3

Year 2, Semester 1
MEB352 Thermodynamics 1 8 4
MEB363 Fluids 1 8 4
MEB381 Design 2 8 3

Year 2, Semester 2
MAB185 Introduction to Statistics 8 3
MEB612 Mechanical Measurement 8 3
MEB743 Reliability & Maintenance Management 8 3

Year 3, Semester 1
MEB314 Mechanics 1 8 4
MEB355 Thermofluids 8 3
MEB501/1 Project 8 3

Year 3, Semester 2
MGB001 Human Resources and Industrial Relations 8 2
MEB501/2 Project 8 3
MEB661 Tribology 8 4
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COURSE STRUCTURES

**Master of Business (Research) (BS92)**


**Location:** Gardens Point campus

**Course Duration:** 3 semesters full-time, 6 semesters part-time

**Total Credit Points:**
- 144 credit points (for entry without Honours)
- 96 credit points (for entry with Honours)

**Course Coordinator:** Dr Mark Shadur

**Entry Requirements**

There are two possible entry points to the Master of Business (Research). For those entering with an Honours degree, the Honours (at level IIB or better) must be relevant to the field of study in the Masters of Business (Research). For those entering from a pass degree, the entry requirement is an undergraduate degree with a major in an approved area plus, normally, a grade point average (GPA) of 5 or more.

**Course Requirements**

Students entering with an approved Honours degree are required to undertake a 96 credit point thesis. Students entering with a relevant pass degree will complete the following programs of study.

**PROGRAM FOR ACCOUNTANCY, BANKING & FINANCE AND ECONOMICS**

The following program will be completed:

<table>
<thead>
<tr>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>(i) Compulsory Unit – All students</td>
</tr>
<tr>
<td>BSN500 Research Methods 12</td>
</tr>
<tr>
<td>(ii) Units in Accountancy</td>
</tr>
<tr>
<td>Two of the following units:</td>
</tr>
<tr>
<td>AYN505 Accounting Honours – A 12</td>
</tr>
<tr>
<td>AYN506 Accounting Honours – B 12</td>
</tr>
<tr>
<td>AYN507 Business Law Honours 12</td>
</tr>
<tr>
<td>OR Units in Banking and Finance (Compulsory)</td>
</tr>
<tr>
<td>EFN504 Finance Honours 12</td>
</tr>
<tr>
<td>EFN505 Financial Risk Management 12</td>
</tr>
<tr>
<td>OR Units in Economics (Compulsory)</td>
</tr>
<tr>
<td>EFN502 Developments in Microeconomic Theories 12</td>
</tr>
<tr>
<td>EFN500 Contemporary Macroeconomic Theories 12</td>
</tr>
<tr>
<td>(iii) Plus one elective</td>
</tr>
<tr>
<td>The elective unit for the Masters program may be taken from any 12 credit point postgraduate units offered by the Schools of Accountancy and Economics and Finance, or by other schools within the Faculty of Business, subject to the approval of the Course Coordinator.</td>
</tr>
<tr>
<td>(iv) Compulsory Thesis – All students</td>
</tr>
<tr>
<td>BSN600 Thesis 96</td>
</tr>
</tbody>
</table>

**PROGRAM FOR HUMAN RESOURCE MANAGEMENT, INTERNATIONAL BUSINESS, MANAGEMENT & MARKETING**

Under the umbrella of Management and Human Resource Management, students may undertake a specialisation in Industrial Relations, Public Sector Management or Organisational Futures. Students will need to have completed the relevant specialisation in their undergraduate degree. Details are available from the School Administration Officer, School of Management.
Under the umbrella of International Business, students may be able to take specialised studies in Industry Economics. Details are available from the School Administration Officer, School of Marketing and International Business.

(i) **Compulsory Units – All students**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSN502</td>
<td>Research Methodology</td>
<td>12</td>
</tr>
<tr>
<td>BSN503</td>
<td>Research Seminars</td>
<td>12</td>
</tr>
</tbody>
</table>

(ii) **Two units from the area of Honours study:**

**Units in Human Resource Management (Compulsory)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGN506</td>
<td>Contemporary Issues in HRM</td>
<td>12</td>
</tr>
<tr>
<td>MGN508</td>
<td>HRM Cases</td>
<td>12</td>
</tr>
</tbody>
</table>

**OR**

**Units in International Business**

Two units from one of the following sets of units (approved by the Course Coordinator)

**International Business**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIN403</td>
<td>Business in Asia</td>
<td>12</td>
</tr>
<tr>
<td>MIN404</td>
<td>Business in Europe</td>
<td>12</td>
</tr>
<tr>
<td>MIN405</td>
<td>Business in North America</td>
<td>12</td>
</tr>
<tr>
<td>MIN426</td>
<td>Special Topic – International Business</td>
<td>12</td>
</tr>
</tbody>
</table>

**Tourism**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIN433</td>
<td>Tourism: National &amp; International</td>
<td>12</td>
</tr>
<tr>
<td>MIN431</td>
<td>Tourism Development</td>
<td>12</td>
</tr>
<tr>
<td>MIN432</td>
<td>Tourism Marketing</td>
<td>12</td>
</tr>
</tbody>
</table>

Area Study (one from the list of approved units: MIN403, MIN404, MIN405, MIN426) 12

**Arts and Culture**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIN400</td>
<td>Arts Administration &amp; Society</td>
<td>12</td>
</tr>
<tr>
<td>MIN430</td>
<td>The Arts Industry</td>
<td>12</td>
</tr>
<tr>
<td>MIN415</td>
<td>Marketing for Arts Administrators</td>
<td>12</td>
</tr>
<tr>
<td>MIN409</td>
<td>Fundraising Principles</td>
<td>12</td>
</tr>
<tr>
<td>MIN408</td>
<td>Fundraising Campaigns</td>
<td>12</td>
</tr>
</tbody>
</table>

**OR**

**Units in Management (Compulsory)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGN501</td>
<td>Readings in Management</td>
<td>12</td>
</tr>
<tr>
<td>MGN507</td>
<td>Contemporary Issues in Management</td>
<td>12</td>
</tr>
</tbody>
</table>

**OR**

**Units in Marketing**

Two of the following units (approved by the Course Coordinator)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIN419</td>
<td>Seminars in Consumer Behaviour</td>
<td>12</td>
</tr>
<tr>
<td>MIN422</td>
<td>Seminar in Marketing Management</td>
<td>12</td>
</tr>
<tr>
<td>MIN413</td>
<td>Market &amp; Business Research Methods</td>
<td>12</td>
</tr>
<tr>
<td>MIN421</td>
<td>Seminars in International Marketing</td>
<td>12</td>
</tr>
<tr>
<td>MIN423</td>
<td>Seminars in Product Innovation &amp; Development</td>
<td>12</td>
</tr>
<tr>
<td>MIN414</td>
<td>Marketing Decision Systems</td>
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<tr>
<td>CON421</td>
<td>Seminars in Integrated Marketing Communication</td>
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</tr>
<tr>
<td>MIN424</td>
<td>Seminars in Services Marketing</td>
<td>12</td>
</tr>
<tr>
<td>MIN425</td>
<td>Seminars in Strategic Marketing</td>
<td>12</td>
</tr>
<tr>
<td>MIN407</td>
<td>Contemporary Issues in Marketing</td>
<td>12</td>
</tr>
<tr>
<td>MIN411</td>
<td>Industry Competition &amp; Network Analysis</td>
<td>12</td>
</tr>
<tr>
<td>MIN429</td>
<td>Strategic Marketing Management</td>
<td>12</td>
</tr>
</tbody>
</table>

(iii) **Compulsory Thesis – All students**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSN600</td>
<td>Thesis</td>
<td>96</td>
</tr>
</tbody>
</table>

**PROGRAM FOR COMMUNICATION**

Research can be undertaken in the fields of Advertising, Organisational Communication, Public Relations or related Communication fields.

(i) **Compulsory Units**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON406</td>
<td>Communication Strategies</td>
<td>12</td>
</tr>
<tr>
<td>CON407</td>
<td>Communication Technology &amp; Global Networks</td>
<td>12</td>
</tr>
<tr>
<td>CON500</td>
<td>Research Methods</td>
<td>12</td>
</tr>
</tbody>
</table>
■ Master of Business (BS93)

Students can major in Communication, International Management, Marketing and Quality.

Location: Gardens Point campus

Course Duration: The course is designed for completion in one calendar year consisting of three semesters.

Total Credit Points: 144

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Peter Carroll

Major Coordinators:

Communication: Dr Philip Crowe
Economics & Finance: to be advised
International Management:

– Management, Human Resource Management, Public Sector Management, Industrial Relations: Mr Paul Davidson

– International Business, Tourism, Arts & Culture, Fundraising: Mr Gary Chittick
Marketing: Dr Jennifer Radbourne
Quality: Dr Arthur Preston

□ Communication Major

In the fields of Advertising (ADV), Organisational Communication (ORC) and Public Relations (PUR).

Entry Requirements

This program has been designed for students who have completed their undergraduate degree in the same area as their intended postgraduate studies.

Major Requirements

Communication students undertake advanced coursework in theory and applications in a variety of topics with relevance to contemporary and emerging issues – including the globalisation of the world economy. Students can specialise in one of three strands: Advertising, Organisational Communication and Public Relations.

<table>
<thead>
<tr>
<th>Full-Time Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CON402 Case Study Development</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON403 Communicating Breakthrough Service</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON406 Communication Strategies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON407 Communication Technology &amp; Global Networks</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CON402 International Advertising</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Strand: ADV/ORC/PUR</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADV CON419 Strategies for Creative Advertising</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ORC CON401 Advanced Organisational Communication</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUR CON414 Public Communication Campaigns</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Strand: ADV/ORC/PUR</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADV CON418 Seminar in Media Strategy</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ORC CON413 Issues in Intercultural Communication</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUR CON409 Financial Communication</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Semester 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CON405 Communication Project</td>
<td>24</td>
<td>3</td>
</tr>
<tr>
<td>CON408 Crisis Communication</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON416 Readings in Communication</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>
Part-Time Course Structure

**Semester 1**
- CON406 Communication Strategies 12 3
- CON407 Communication Technology & Global Networks 12 3

**Semester 2**
Strand: ADV/ORC/PUR*
- ADV CON419 Strategies for Creative Advertising 12 3
- ORC CON401 Advanced Organisational Communication 12 3
- PUR CON414 Public Communication Campaigns 12 3
Strand: ADV/ORC/PUR*
- ADV CON418 Seminar in Media Strategy 12 3
- ORC CON413 Issues in Intercultural Communication 12 3
- PUR CON409 Financial Communication 12 3

**Semester 3**
- CON402 Case Study Development 12 3
- CON403 Communicating Breakthrough Service 12 3

**Semester 4**
- CON412 International Advertising 12 3
- Elective Unit 12 3

**Semester 5**
- CON408 Crisis Communication 12 3
- CON416 Readings in Communication 12 3

**Semester 6**
- CON405 Communication Project 24

* Students must choose one strand: ADV, ORC or PUR and study all units in that strand.

☐ International Management Major

This degree examines the impact of an increasingly competitive global environment upon management and the organisation, whether they operate internationally or domestically. Specialisations are offered in the fields of Arts Administration, Banking & Finance, Economics, Economics & Finance, Fundraising, Human Resource Management, Industrial Relations, International Business, Management, Marketing, Public Sector Management and Tourism.

**Course Duration**
Six semesters part-time, spread over two or three years depending on the number of semesters undertaken per year. The course may be run on a full-time basis, depending upon demand. Please contact the School Administration Officer of the School of Marketing & International Business or the School of Management for details.

**Entry Requirements**
A degree, or equivalent, in Business or Commerce, with an approved specialisation. An appropriate undergraduate specialisation is required for entry to the specialised units. The availability of the sets of specialised units will depend upon demand.

**Major Requirements**
All students will undertake the compulsory units, and also select from one of the sets of four Specialised Units listed below, to a total of 48 credit points.

Schools may permit students, with the permission of the relevant Head of School and the Course Coordinator, to undertake a research project of up to 24 credit points in lieu of the Area Study in International Business unit and Elective.

**Full-Time Course Structure**

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSN403 Product &amp; Service Innovation &amp; Development</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSN408 Business &amp; the International Environment</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>
Specialisation 1
Specialisation 2

**Year 1, Semester 2**
BSN400 Industry Analysis 12 3
Specialisation 3 12 3
Area Study in International Business OR Project 12 3
Elective OR Project 12 3

**Year 1, Semester 3**
BSN401 Management, the Organisation & International Business 12 3
BSN402 Product & Service Evaluation 12 3
BSN407 Strategic Business Analysis 12 3
Specialisation 4 12 3

**Part-Time Course Structure Over Two Years**

**Year 1, Semester 1**
BSN408 Business & the International Environment 12 3
Specialisation 1 12 3

**Year 1, Semester 2**
BSN400 Industry Analysis 12 3
Specialisation 2 12 3

**Year 1, Semester 3**
BSN402 Product & Service Evaluation 12 3
BSN401 Management, the Organisation & International Business 12 3

**Year 2, Semester 1**
Specialisation 3 12 3
BSN403 Product & Service Innovation & Development 12 3

**Year 2, Semester 2**
Area Study in International Business OR Project 12 3
Elective OR Project 12 3

**Year 2, Semester 3**
BSN407 Strategic Business Analysis 12 3
Specialisation 4 12 3

**Specialised Units**

**Marketing**
MIN419 Seminars in Consumer Behaviour 12 3
MIN421 International Marketing 12 3
MIN422 Seminars in Marketing Management 12 3
MIN424 Seminars in Services Marketing 12 3

**International Business**
MIN406 Comparative Regulatory Systems 12 3
MIN426 Special Topic in International Business 12 3

AND
Any two of the following three area studies units:
MIN403 Business in Asia 12 3
MIN404 Business in Europe 12 3
MIN405 Business in North America 12 3

**Tourism**
MIN431 Tourism Development 12 3
MIN432 Tourism Marketing 12 3
MIN433 Tourism: National & International 12 3

plus one from the following:
(MIN403, MIN404, MIN405, MIN426) 12

**Arts and Culture**
MIN400 Arts Administration & Society 12 3
MIN415 Marketing for Arts Administrators 12 3
MIN430 The Arts Industry 12 3

AND
Elective approved by the Course Coordinator & Head of School
Fundraising
MIN408 Fundraising Campaigns 12 3
MIN409 Fundraising Principles 12 3
plus two electives approved by the Course Coordinator & the Head of School

Languages Specialisation
Students will be able to take four language units. The language units are those available for the undergraduate Bachelor of Business (International Business) program.

Economics
EFN410 Economic & Financial Modelling 12 3
EFN500 Contemporary Macroeconomic Theories 12 3
EFN502 Developments in Microeconomic Theories 12 3
EFN506 International Finance 12 3

Banking and Finance
EFN504 Finance Honours 12 3
EFN505 Financial Risk Management 12 3
plus two of the following:
EFN401 Advanced Financial Institutions Management 12 3
EFN410 Economic & Financial Modelling 12 3
EFN501 Corporate & Commercial Lending 12 3
EFN506 International Finance 12 3
EFN507 Advanced Capital Budgeting 12 3

Economics and Finance
EFN500 Contemporary Macroeconomic Theories 12 3
EFN502 Developments in Microeconomic Theories 12 3
plus two of the following:
EFN401 Advanced Financial Institutions Management 12 3
EFN410 Economic & Financial Modelling 12 3
EFN501 Corporate & Commercial Lending 12 3
EFN506 International Finance 12 3
EFN507 Advanced Capital Budgeting 12 3

Management
MGN501 Readings in Management 12 3
MGN507 Contemporary Issues in Management 12 3
Plus two units from:
MGN524 Special Topic in Management I 12 3
MGN525 Special Topic in Management II 12 3
MGN526 Advanced Readings in Management II 12 3
OR
Other postgraduate unit/s approved by the Course Coordinator

Human Resource Management
MGN506 Contemporary Issues in HRM 12 3
MGN508 HRM Cases 12 3
Plus two units from:
MGN500 Advanced Readings in HRM I 12 3
MGN505 Consulting & Change Management 12 3
MGN527 Advanced Readings in HRM II 12 3
MGN528 Special Topic in HRM I 12 3
MGN529 Special Topic in HRM II 12 3
OR
Other postgraduate unit/s approved by the Course Coordinator

Industrial Relations
MGN503 Advanced Theory & Comparativism 12 3
MGN512 Industrial Relations & Work Organisation 12 3
Plus two units from
MGN400 Australian Industrial Relations 12 3
MGN401 Comparative Industrial Relations 12 3
MGN405 Industrial Relations & the Economy 12 3
MGN407 Industrial Relations Strategies & Policies 12 3
Public Sector Management
MGN516 Policy Analysis 12 3
MGN517 Program Management & Evaluation 12 3

Plus two units from:
MIN401 Australian Foreign Affairs & Business 12 3
MIN406 Comparative Regulatory Systems 12 3
Area Study 12 3

With the approval of the Course Coordinator and Head of School, students may undertake up to 24 credit points as a project in lieu of the area study unit and/or elective.
BSN404 Project 1 12 3
BSN405 Project 2 12 3
BSN406 Project 3 24 6

☐ Marketing Major

Course Duration
Six semesters part-time, spread over two or three years depending on the number of semesters undertaken per year. The course may be run on a full-time basis, depending upon demand. Please contact the School of Marketing & International Business’s School Administrative Officer for details.

Entry Requirements
A degree, or equivalent, in Business or Commerce, with a specialisation in Marketing.

Major Requirements
All students will be required to undertake the Core Units totalling 96 credit points and 48 credit points of Specialised Marketing Units.

Full-Time Course Structure

Year 1, Semester 1
MIN407 Contemporary Issues in Marketing
MIN413 Market & Business Research Methods
MIN419 Seminars in Consumer Behaviour
MIN422 Seminars in Marketing Management

Year 1, Semester 2
CON421 Seminars in Integrated Marketing Communication
MIN414 Marketing Decision Systems
MIN423 Seminars in Product Innovation & Development
MIN424 Seminars in Services Marketing

Year 1, Semester 3
MIN411 Industry Competition & Network Analysis
MIN421 Seminars in International Marketing
MIN425 Seminars in Strategic Marketing
MIN429 Strategic Marketing Management

Part-Time Course Structure for Those Completing in Two Years

Year 1, Semester 1
MIN419 Seminars in Consumer Behaviour
MIN422 Seminars in Marketing Management

Year 1, Semester 2
MIN423 Seminars in Production Innovation & Development
MIN424 Seminars in Services Marketing

Year 1, Semester 3
MIN411 Industry Competition & Network Analysis
MIN421 Seminars in International Marketing

Year 2, Semester 1
MIN407 Contemporary Issues in Marketing
MIN413 Market & Business Research Methods
Quality Major

This degree is designed for professionals who have, or are likely to have, significant responsibility in the systematic delivery of high quality, customer focussed products and services. It is interdisciplinary with units emanating from three faculties.

Course Duration

Six semesters part-time spread over two or three years depending on the number of semesters taken per year.

Entry Requirements

A degree or equivalent from a recognised institution plus two years relevant work experience. Students may also articulate directly from the Graduate Diploma in Quality or the Graduate Certificate in Quality.

Major Requirements

Students need to undertake six compulsory units during their first three semesters. Thereafter, they must select six additional units, at least four of which should be non core subjects. The remaining two units must be at the postgraduate level, have logical relevance to Quality Management and be approved by the Major Coordinator. In particular, suitable elective units are available in postgraduate programs offered through the Faculty of Business, Faculty of Science and the Faculty of Built Environment and Engineering.

Full Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP214 Statistical Quality Procedures</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEP172 Quality Planning &amp; Cost Analysis</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN413 Quality Systems Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN416 Human Factors &amp; the Management of Change</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP222 Quality Improvement</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEP274 Quality Systems Implementation and Maintenance</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Part Time Course Structure over Three Years

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEP172 Quality Planning &amp; Cost Analysis</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN413 Quality Systems Management</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP222 Quality Improvement</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEP274 Quality Systems Implementation &amp; Maintenance</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester of Offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP214 Statistical Quality Procedures</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>MGN416 Human Factors and the Management of Change</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
</tr>
</tbody>
</table>

Non Core Units

Students should take at least four of the following non core units. Project units should be taken in the final two semesters of the course.

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester of Offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSN410 Short Project</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>BSN411 Project</td>
<td>24</td>
<td>1, 2</td>
</tr>
<tr>
<td>GSN207 Organisational Analysis &amp; Consulting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MAP224 Designed Experiments &amp; Sampling Procedures</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MEN280 Engineering Project Management</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>
Electives
Two approved postgraduate units excluding those listed may be studied during the final two semesters.

Master of Commerce (BS94)
With specialisations in the fields of Accountancy, Banking and Finance, Business and Taxation Law
Location: Gardens Point campus
Course Duration: 3 semesters full-time, 6 semesters part-time
Total Credit Points: 144
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Dr Peter Carroll

Entry Requirements
Applicants for admission to this degree
(a) shall hold a Bachelor of Business from QUT and shall have achieved a level of attainment in an
appropriate discipline or disciplines considered by the Academic Board of the Faculty of Business to
be acceptable for the purpose of proceeding to a degree of master,
OR
(b) shall hold, from another tertiary institution or from QUT, qualifications approved by the Academic
Board, on the recommendation of the Head of School responsible for the specialisation which the
applicant seeks to study, as equivalent to the requirements set out in (a) above.

This course provides advanced level studies in Accountancy, Banking and Finance, and Business and
Taxation Law. It assumes a knowledge of Australian business law, company law, taxation law, and accounting
and auditing standards. Students (in particular those selecting the Accountancy or Business and Taxation
Law specialisations) may be required to take one or more undergraduate units in order to make good any
deficiency in their qualifications to enter the course.

Course Requirements
Students are required to complete satisfactorily 12 units (144 credit points), which may include up to two
Research Projects (Project I BSN404, Project II BSN405 – 12 credit points each) OR a 24 Credit Point
Project (Research Project BSN409).

Units
In selecting units, students may choose from three areas of specialisation: Accountancy, Banking and
Finance, and Business and Taxation Law (see Lists One, Two, and Three respectively in the schedule of
postgraduate units). The 12 units (144 credit points) must include one of the specialisations consisting of a
major sequence of six units (72 credit points) from one of the three lists. A project in the relevant area of
study may count for up to 24 credit points towards a specialisation. The remaining credit points required
for the degree may be chosen from any of the lists, and the unit BSN500 Research Methods. BSN500 does
not count as a subject in your specialisation.

Research Project
Students who elect to complete the 24 credit point Research project must complete BSN500 Research
Methods as a prerequisite to enrolment in BSN409 Research Project. The project should reflect the application
of theoretical analysis or problem-solving in Accountancy, Banking and Finance, or Business and Taxation
Law. Students are advised to seek a topic, and to approach a supervisor, early in their program and to obtain
the instruction guide on project presentation.

The project topic proposal must be presented at a seminar to Faculty staff in the semester prior to enrolling
in the project. The project will be regarded as the equivalent of six formal hours per week (24 credit points).
Part-time students are to enrol in one semester.
### Schedule of Postgraduate Units

Units required for the degree may be chosen from Lists One, Two, Three and Four, depending on the options selected for the specialisation. In regard to the specialisations, the Research Project, if chosen, will count as two units (24 credit points) in the relevant area of specialisation; however, BSN500 Research Methods may not be counted towards a specialisation. Up to two minor projects (each 12 credit points) may be counted towards a specialisation.

#### List One: Accountancy

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester of Offer</th>
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</thead>
<tbody>
<tr>
<td>AYN400</td>
<td>Accounting 1 (PY)</td>
<td>12</td>
<td>3</td>
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</tr>
<tr>
<td>AYN401</td>
<td>Accounting 2 (PY)</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>AYN402</td>
<td>Accounting Information Systems (PY)</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>AYN404</td>
<td>Advanced Company Accounting</td>
<td>12</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>AYN408</td>
<td>Auditing (PY)</td>
<td>12</td>
<td>3</td>
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</tr>
<tr>
<td>AYN409</td>
<td>Auditing Standards &amp; Practice</td>
<td>12</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>AYN413</td>
<td>Computer Auditing</td>
<td>12</td>
<td>3</td>
<td>2</td>
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<tr>
<td>AYN415</td>
<td>External Reporting Issues</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>AYN419</td>
<td>Financial Modelling</td>
<td>12</td>
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<tr>
<td>AYN420</td>
<td>Financial Reporting</td>
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<td>AYN423</td>
<td>Internal Auditing</td>
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<td>AYN424</td>
<td>International Accounting</td>
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<td>AYN429</td>
<td>Management Accounting (PY)</td>
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<td>AYN430</td>
<td>Managerial Accounting Issues A</td>
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<td>AYN432</td>
<td>Public Sector Accounting Issues</td>
<td>12</td>
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<tr>
<td>AYN433</td>
<td>Special Topic in Accounting A</td>
<td>12</td>
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<tr>
<td>AYN434</td>
<td>Special Topic in Accounting B</td>
<td>12</td>
<td>3</td>
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<td>AYN441</td>
<td>Advanced Auditing</td>
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<td>AYN442</td>
<td>Superannuation</td>
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<tr>
<td>AYN505</td>
<td>Accounting Honours – A</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AYN506</td>
<td>Accounting Honours – B</td>
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#### List Two: Banking and Finance

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester of Offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>AYN401</td>
<td>Accounting 2 (PY)</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AYN429</td>
<td>Managerial Accounting (PY)</td>
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<tr>
<td>AYN430</td>
<td>Managerial Accounting Issues A</td>
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<td>3</td>
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<tr>
<td>AYN506</td>
<td>Accounting Honours – B</td>
<td>12</td>
<td>3</td>
<td>1</td>
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<tr>
<td>EFN401</td>
<td>Advanced Financial Institutions Management</td>
<td>12</td>
<td>3</td>
<td>2</td>
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<td>EFN408</td>
<td>Special Topic – Economics, Banking &amp; Finance A</td>
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<td>EFN410</td>
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<td>Corporate &amp; Commercial Lending</td>
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<td>EFN502</td>
<td>Developments in Microeconomic Theories</td>
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<td>EFN506</td>
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<td>Advanced Capital Budgeting</td>
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#### List Three: Business and Taxation Law

<table>
<thead>
<tr>
<th>Code</th>
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<th>Credit Points</th>
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<th>Semester of Offer</th>
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<tbody>
<tr>
<td>AYN405</td>
<td>Advanced Tax Planning</td>
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<td>AYN406</td>
<td>Capital Gains Tax</td>
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<td>AYN421</td>
<td>Indirect Taxation</td>
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<td>AYN422</td>
<td>Insolvency &amp; Reconstruction (PY)</td>
<td>12</td>
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<td>AYN426</td>
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<td>12</td>
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<td>AYN427</td>
<td>Liquidations &amp; Receivership</td>
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<td>AYN436</td>
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</table>
List Four: Elective Research Based Units

**Major Project**
- BSN500 Research Methods 12
  - AND
- BSN409 Research Project 24

**Minor Projects**
One or both of:
- BSN404 Project I 12
- BSN405 Project II 12

Students may not select both the Major and Minor projects.

A number of postgraduate units are equivalent in content to Professional Year (PY) units offered in the program.

Professional Year units may be taken only by students enrolled for the Professional Year with the Institute of Chartered Accountants in Australia. Students not undertaking the PY may enrol in the equivalent postgraduate units, but should note that abnormal timetables apply. Credit cannot be gained for both a PY unit and its equivalent unit.

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**Master of Business (Communication Studies) (BS88)**

In the fields of Advertising (ADV), Organisational Communication (ORC) and Public Relations (PUR).

This course is designed for graduates in areas other than Communication.

The coursework covers communication theory and applications to a number of contemporary and emerging issues, including those related to the globalisation of the world economy. Students can specialise in one of three strands: Advertising, Organisational Communication and Public Relations.

This course is designed for completion in one calendar year consisting of three semesters.

**Location:** Gardens Point campus

**Course Duration:** 3 semesters full-time, 6 semesters part-time

**Total Credit Points:** 144

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Dr Peter Carroll

**Entry Requirements**
An undergraduate degree from a recognised tertiary institution in any area other than Communication (i.e. ADV, ORC or PUR).

**Articulation**
Students who have articulated from the Graduate Diploma in Communication (BS72) may receive block credit for 96 credit points. They will be required to complete a further 48 credit points consisting of CON406 Communication Strategies, CON407 Communication Technology and Global Networks, and CON405 Communication Project.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>CON404 Communication Practice for Professionals</td>
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<tr>
<td>CON420 Theories of Human Communication</td>
<td>12</td>
<td>3</td>
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<tr>
<td>CON402 Case Study Development</td>
<td>12</td>
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</table>

Strand: ADV/ORC/PUR*

| ADV CON417 Seminar in Advertising Management | 12 | 3 |
| ORC CON410 Interpersonal Communication & Negotiation | 12 | 3 |
| PUR CON415 Public Relations Management | 12 | 3 |

**Semester 2**

| Elective Unit* | 12 | 3 |
| Elective Unit * | 12 | 3 |
Strand: ADV/ORC/PUR*
ADV CON419 Strategies for Creative Advertising 12 3
ORC CON401 Advanced Organisational Communication 12 3
PUR CON414 Public Communication Campaigns 12 3

Strand: ADV/ORC/PUR*
ADV CON418 Seminar in Media Strategy 12 3
ORC CON413 Issues in Intercultural Communication 12 3
PUR CON409 Financial Communication 12 3

Semester 3
CON406 Communication Strategies 12 3
CON407 Communication Technology & Global Networks 12 3
CON405 Communication Project 24

Part-Time Course Structure

Semester 1
CON404 Communication Practice for Professionals 12 3

Strand: ADV/ORC/PUR*
ADV CON417 Seminar in Advertising Management 12 3
ORC CON410 Interpersonal Communication & Negotiation 12 3
PUR CON415 Public Relations Management 12 3

Semester 2
Elective Unit# 12 3

Strand: ADV/ORC/PUR*
ADV CON419 Strategies for Creative Advertising 12 3
ORC CON401 Advanced Organisational Communication 12 3
PUR CON414 Public Communication Campaigns 12 3

Semester 3
CON420 Theories of Human Communication 12 3
CON402 Case Study Development 12 3

Semester 4
Elective Unit# 12 3

Strand: ADV/ORC/PUR*
ADV CON418 Seminar in Media Strategy 12 3
ORC CON413 Issues in Intercultural Communication 12 3
PUR CON409 Financial Communication 12 3

Semester 5
CON406 Communication Strategies 12 3
CON407 Communication Technology & Global Networks 12 3

Semester 6
CON405 Communication Project 24

* Students must choose one strand: ADV, ORC or PUR and study all units in that strand.

# Elective units to be chosen from any postgraduate unit approved by the Course Coordinator.

Master of Business (Professional Accounting) (BS89)

Location: Gardens Point campus
Course Duration: 3 semesters full-time, 6 semesters part-time
Total Credit Points: 144
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Dr Peter Carroll

Entry Requirements
For Australian residents, an applicant should normally possess:
(i) an undergraduate degree qualification, except in accounting, from a recognised Australian or overseas institution
(ii) an academic record deemed to be suitable by the Head, School of Accountancy, or a nominated person, and
(iii) an appropriate standard of tertiary-level achievement in Quantitative Methods/Statistics. A candidate who has not met this requirement must complete EFN409 Statistical Methods in addition to the normal Course Requirements.

For international students, as above, plus English language proficiency to an approved standard. Only non-accounting graduates will be admitted to this course.

**Professional Recognition**

Students completing the Master of Business (Professional Accounting) degree meet the academic requirements for Associate membership of the Australian Society of Certified Practising Accountants (ASCPA) and enrolment in the CPA examinations of the ASCPA and the Professional Year examinations of The Institute of Chartered Accountants in Australia.

Students must achieve grades of 4 or better in all units to meet the requirements of the professional bodies.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>AYN416 Financial Accounting I</td>
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<td>AYN410 Business Law &amp; Ethics</td>
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<td>EFN406 Managerial Finance</td>
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<tr>
<td>EFN405 Managerial Economics</td>
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<th>Semester 2</th>
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<tr>
<td>AYN412 Company Law</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AYN402 Accounting Information Systems (PY)</td>
<td>12</td>
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<td>AYN414 Cost Accounting</td>
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<td>AYN411 Company Auditing</td>
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<td>AYN438 Taxation Law &amp; Practice</td>
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<td>AYN439 Management Accounting</td>
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### Part-Time Course Structure

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<td>AYN410 Business Law &amp; Ethics</td>
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<td>AYN414 Cost Accounting</td>
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<td>EFN406 Managerial Finance</td>
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<th>Semester 4</th>
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<td>AYN412 Company Law</td>
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<th>Credit Points</th>
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<td>AYN439 Management Accounting</td>
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### Master of Business Administration (International) (GS80)

**Location:** Gardens Point campus

**Course Duration:** 3 semesters full-time or 6 semesters part-time. The course can be undertaken on a part-time basis subject to the approval of the Dean.

**Total Credit Points:** 144
Standard Credit Points/Full-Time Semester: 48
Tuition Fees (Domestic Students): $75.00 per credit point

Entry Requirements
For admission to the above degree an applicant should normally:

(i) hold a Bachelor Degree in Business, Commerce or Economics or equivalent, from a recognised university,
or
(ii) hold qualifications acceptable to the Dean of the Faculty of Business.

For international students, as above, plus English language proficiency to an approved standard.

Full-Time Course Structure
The course consists of eight core units of 12 credit points each plus elective study worth 48 credit points. With the inclusion of a summer semester the course may be completed in one calendar year. Students should seek advice on the appropriate sequence for their program of study.

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Foundation Units</th>
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<tbody>
<tr>
<td>GSN208</td>
<td>Personal Development &amp; Ethics for Managers</td>
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<tr>
<td>GSN101</td>
<td>International Environment of Business</td>
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<tr>
<td>GSN106</td>
<td>Leading &amp; Managing Internationally</td>
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<td>GSN104</td>
<td>International Management &amp; Business Organisation</td>
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<tr>
<th>Semester 2</th>
<th>Functional Units</th>
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<td>Three of:</td>
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<tr>
<td>GSN102</td>
<td>International Finance &amp; Resource Management</td>
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<td>GSN103</td>
<td>International Human Resource Management</td>
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<td>GSN107</td>
<td>Managing Innovation &amp; Enterprise Development</td>
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<td>GSN201</td>
<td>Global Business Networks</td>
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<td>GSN105</td>
<td>International Marketing</td>
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<tr>
<td>GSN207</td>
<td>Organisational Analysis &amp; Consulting</td>
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Capstone Unit
GSN100 Global Business Strategies 12 3

Semester 3
Elective Study
Students must complete, in Australia or overseas, elective coursework, an international project or an industry placement with a total combined value of 48 credit points.

Elective Units
Electives are drawn from existing core options (not already selected) and postgraduate business units or other approved postgraduate units.

Exemptions/Substitutions
No credit transfer from previous undergraduate studies. Substitutions permitted where previous undergraduate studies are equivalent to particular core and core option units (electives excluded). Credit transfer up to a maximum of six units (72 credit points) permitted from prior postgraduate studies where previous studies are equivalent.

Master of Business Administration (Professional) (GS81)
Course Duration: 3 semesters full-time, 6 semesters part-time
Total Credit Points: 144
Standard Credit Points/Full-Time Semester: 48
Tuition Fees (Domestic Students): $75.00 per credit point

1 Organisational Analysis and Consulting is a compulsory prerequisite for the industry placement.
Entry Requirements
For admission to the above degree an applicant should normally:

(i) hold a Bachelor Degree from a recognised university, and
(ii) have at least two years’ appropriate full-time work experience
or
(iii) hold qualifications acceptable to the Dean of the Faculty of Business.

Applicants should also have an appropriate standard of achievement in Quantitative Methods/Statistics at the tertiary level. It is strongly recommended that applicants who do not have an appropriate standard of achievement undertake an approved unit in Quantitative Methods/Statistics within their program of study.

For international students, as above, plus English language proficiency to an approved standard.

Full-Time Course Structure
The course consists of eight core units of 12 credit points each plus elective study worth 48 credit points. With the inclusion of a summer semester, the course may be completed in one calendar year. Students should seek advice on the appropriate sequence for their program of study.

### Semester 1

#### Foundation Units
- GSN204 Management & the Business Environment 12 3
- GSN208 Personal Development & Ethics for Managers 12 3

#### Functional Units
Two of:
- GSN202 Managerial Accounting 12 3
- GSN203 Managerial Economics 12 3
- GSN206 Marketing 12 3
- GSN205 Managing Human Resources 12 3
- GSN201 Global Business Networks 12 3

#### Semester 2

#### Functional Units
Two of:
- GSN202 Managerial Accounting 12 3
- GSN203 Managerial Economics 12 3
- GSN206 Marketing 12 3
- GSN205 Managing Human Resources 12 3
- GSN201 Global Business Networks 12 3

#### Capstone Units
- GSN200 Business Strategies 12 3
- GSN207 Organisational Analysis & Consulting 12 3

#### Semester 3

#### Elective Study
Students must complete elective coursework, projects or industry placement with a total combined value of 48 credit points.

### Part-Time Course Structure
With the inclusion of summer semesters, the course may be completed in a minimum of two calendar years.

#### Semester 1

#### Principal Units
- GSN204 Management & the Business Environment 12 3
- GSN208 Personal Development & Ethics for Managers 12 3

#### Semester 2

#### Functional Units
Two of:
- GSN202 Managerial Accounting 12 3
- GSN203 Managerial Economics 12 3
GSN206  Marketing  12  3  
GSN205  Managing Human Resources  12  3  
GSN201  Global Business Networks  12  3  

**Semester 3**  
**Functional Units**  
Two of:  
GSN202  Managerial Accounting  12  3  
GSN203  Managerial Economics  12  3  
GSN206  Marketing  12  3  
GSN205  Managing Human Resources  12  3  
GSN201  Global Business Networks  12  3  

**Semester 4**  
**Capstone Units**  
GSN207  Organisational Analysis & Consulting  12  3  
GSN200  Business Strategies  12  3  

**Semester 5**  
**Elective Study**  
Students must complete elective coursework, projects or industry placement with a total combined value of 24 credit points.  

**Semester 6**  
**Elective Study**  
Students must complete elective coursework, projects or industry placement with a total combined value of 24 credit points.  

**Elective Units**  
Electives are drawn from Functional Units not already selected and postgraduate business units or other approved postgraduate units.  

**Exemptions/Substitutions**  
No credit transfer from previous undergraduate studies. Substitutions permitted where previous undergraduate studies are equivalent to particular Foundation, Functional or Capstone units (electives excluded). Credit transfer up to a maximum of six units (72 credit points) permitted from prior postgraduate studies where previous studies are equivalent.  

**Articulation**  
The MBA (Professional) articulates with QUT’s Graduate Diploma in Business Administration and Graduate Certificate in Management courses. The extent of Articulation will depend upon units studied in these courses. Students may exit from the MBA (Professional) with an award of Graduate Certificate in Management or Graduate Diploma in Business Administration if they have fulfilled the requirements of one or other of these courses. They will need to compete again for admission if they wish to undertake the MBA at a later date.  

---  

**Graduate Diploma in Advanced Accounting (BS70)**  
**Location:** Gardens Point campus  
**Course Duration:** 2 semesters full-time, 4 semesters part-time  
**Total Credit Points:** 96  
**Standard Credit Points/Full-Time Semester:** 48  
**Course Coordinator:** Dr Peter Carroll  

**Entry Requirements**  
Applicants should hold a degree or a diploma from a recognised tertiary institution, with an appropriate major in Accounting. In the case of a diploma, additional work may be required.  

This course provides advanced level studies in Accountancy, Banking and Finance, and Business and Taxation Law. It assumes a knowledge of Australian business law, company law, taxation law, and accounting and auditing standards.
Students may be required to take one or more undergraduate units in order to make good any deficiency in their qualifications to enter the postgraduate course.

**Course Requirements**

The student must complete eight units (96 credit points total). A minimum of six units must be selected from Lists One, Two and Three. Up to two postgraduate units may be selected as electives from List 4 or any postgraduate units offered within QUT or elsewhere, subject to the approval of the Course Coordinator.

<table>
<thead>
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<td>AYN402 Accounting Information Systems (PY)</td>
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<td>AYN404 Advanced Company Accounting</td>
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<td>AYN408 Auditing (PY)</td>
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<tr>
<td>AYN409 Auditing Standards &amp; Practice</td>
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<td>AYN413 Computer Auditing</td>
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<td>AYN415 External Reporting Issues</td>
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<td>AYN419 Financial Modelling</td>
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<td>AYN420 Financial Reporting</td>
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<td>AYN429 Managerial Accounting (PY)</td>
<td>12</td>
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<tr>
<td>AYN430 Managerial Accounting Issues A</td>
<td>12</td>
<td>3</td>
<td>1</td>
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<tr>
<td>AYN506 Accounting Honours – B</td>
<td>12</td>
<td>3</td>
<td>1</td>
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<tr>
<td>EFN401 Advanced Financial Institutions Management</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>EFN408 Special Topic – Economics, Banking &amp; Finance A</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
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<tr>
<td>EFN410 Economic &amp; Financial Modelling</td>
<td>12</td>
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<tr>
<td>EFN500 Contemporary Macroeconomic Theories</td>
<td>12</td>
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<tr>
<td>EFN501 Corporate &amp; Commercial Lending</td>
<td>12</td>
<td>3</td>
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<tr>
<td>EFN502 Developments in Microeconomic Theories</td>
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<td>3</td>
<td>1</td>
</tr>
<tr>
<td>EFN504 Finance Honours</td>
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<td>1</td>
</tr>
<tr>
<td>EFN505 Financial Risk Management</td>
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<td>3</td>
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<td>EFN506 International Finance</td>
<td>12</td>
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<tr>
<td>EFN507 Advanced Capital Budgeting</td>
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<table>
<thead>
<tr>
<th>List Three: Business and Taxation Law</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester of Offer</th>
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<tbody>
<tr>
<td>AYN405 Advanced Tax Planning</td>
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<td>3</td>
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<tr>
<td>AYN406 Capital Gains Tax</td>
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<tr>
<td>AYN421 Indirect Taxation</td>
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<td>3</td>
<td>2</td>
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<tr>
<td>AYN422 Insolvency &amp; Reconstruction (PY)</td>
<td>12</td>
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<td>2</td>
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<td>AYN426 Legal Environment of Business</td>
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<td>1, 2</td>
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<tr>
<td>AYN427 Liquidations &amp; Receivership</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AYN435 Taxation 1A (PY)</td>
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<tr>
<td>AYN436 Taxation 1B (PY)</td>
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<tr>
<td>AYN437 Taxation 2 (PY)</td>
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<td>3</td>
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</tr>
<tr>
<td>AYN507 Business Law Honours</td>
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</table>

<table>
<thead>
<tr>
<th>List Four</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester of Offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGN402 Government – Business Relations</td>
<td>12</td>
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<td>2</td>
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<tr>
<td>MGN412 People in Organisations</td>
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<td>1</td>
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</tbody>
</table>
The Professional Year Higher Degree Program (PYHDP) allows people employed with a chartered accountant in public practice to complete their Professional Year (PY) studies at QUT within the Graduate Diploma in Advanced Accounting.

The PYHDP does not run independently of the PY program as offered by the Institute of Chartered Accountants in Australia (ICAA). QUT presents this program in accordance with the ICAA PY syllabus, program and timetable. Students must enrol with the ICAA as well as with QUT. Not only will they complete the same workshops and module examinations as other PY candidates, they will also be required to complete and pass internal assessment set by this University.

Students enrolled in the PYHDP must complete the following course of study:

- AYN400 Accounting 1 (PY)
- AYN401 Accounting 2 (PY)
- AYN420 Financial Reporting
- AYN435 Taxation 1A (PY)
- AYN436 Taxation 1B (PY)

Plus one of:
- AYN402 Accounting Information Systems (PY)
- AYN408 Auditing (PY)
- AYN422 Insolvency & Reconstruction (PY)
- AYN429 Management Accounting (PY)
- AYN437 Taxation 2 (PY)

Postgraduate units will be offered every year subject to staff availability and student numbers.

**Units Offered**

**Semester 1**

- AYN400 Accounting 1 (PY) 12 3
- AYN404 Advanced Company Accounting 12 3
- AYN405 Advanced Tax Planning 12 3
- AYN406 Capital Gains Tax 12 3
- AYN408 Auditing (PY) 12 3
- AYN409 Auditing Standards & Practice 12 3
- AYN420 Financial Reporting 12 3
- AYN430 Managerial Accounting Issues A 12 3
- AYN432 Public Sector Accounting Issues 12 3
- AYN436 Taxation 1B (PY) 12 3
- AYN437 Taxation 2 (PY) 12 3
- AYN441 Advanced Auditing 12 3
- AYN505 Accounting Honours – A 12 3
- AYN506 Accounting Honours – B 12 3
- AYN507 Business Law Honours 12 3
- BSN500 Research Methods 12 3
- EFN500 Contemporary Macroeconomic Theories 12 3
- EFN501 Corporate & Commercial Lending 12 3
- EFN502 Development in Microeconomic Theories 12 3
- EFN504 Finance Honours 12 3
- EFN505 Financial Risk Management 12 3
- EFN507 Advanced Capital Budgeting 12 3

**Semester 2**

- AYN401 Accounting 2 (PY) 12 3
- AYN402 Accounting Information Systems (PY) 12 3
- AYN413 Computer Auditing 12 3
- AYN415 External Reporting Issues 12 3
- AYN419 Financial Modelling 12 3
- AYN421 Indirect Taxation 12 3
### Graduate Diploma in Communication (BS72)

In the fields of Advertising, Organisational Communication and Public Relations.

**Location:** Gardens Point campus

**Course Duration:** 2 semesters full-time, 4 semesters part-time

**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Dr Peter Carroll

**Entry Requirements**

A degree from a recognised tertiary institution or equivalent.

**Special Entry**

A limited number of places will be available to practitioners in the relevant professions who, while possessing no formal degree, can demonstrate and document significant experiential grasp of their professions. These candidates will be senior members of their profession.

An applicant who does not meet the requirements for normal entry may present documentary evidence of qualifications, experience and other relevant information for special consideration.

**Course Requirements**

Bachelor of Business (Communication) graduates, if they enrol in the Graduate Diploma course, must select a major different from their undergraduate major. These students also undertake CON406 Communication Strategies instead of CON420 Theories of Human Communication, and CON407 Communication Technology and Global Networks instead of CON404 Communication Practice for Professionals.

<table>
<thead>
<tr>
<th>Full-Time Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ADVERTISING</strong></td>
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<tr>
<td><strong>Year 1, Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COB315 Direct Response Advertising</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON404 Communication Practice for Professionals</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON417 Seminar in Advertising Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON420 Theories of Human Communication</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Year 1, Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CON418 Seminar in Media Strategy</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON419 Strategies for Creative Advertising</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
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<td>3</td>
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<tr>
<td><strong>Part-Time Course Structure</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CON404 Communication Practice for Professionals</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CON420 Theories of Human Communication</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

\[2 \text{ Refer to course requirements.}\]
Year 1, Semester 2
CON418 Seminar in Media Strategy 12 3
CON419 Strategies for Creative Advertising 12 3

Year 2, Semester 1
CON417 Seminar in Advertising Management 12 3
Elective Unit 12 3

Year 2, Semester 2
COB315 Direct Response Advertising 12 3
Elective Unit 12 3

ORGANISATIONAL COMMUNICATION
Year 1, Semester 1
CON404 Communication Practice for Professionals 12 3
CON410 Interpersonal Communication & Negotiation 12 3
CON420 Theories of Human Communication 12 3
Elective Unit 12 3

Year 1, Semester 2
COB332 Issues in Publishing 12 3
CON401 Advanced Organisational Communication 12 3
CON413 Issues in Intercultural Communication 12 3
Elective Unit

Part-Time Course Structure
Year 1, Semester 1
CON404 Communication Practice for Professionals 12 3
CON410 Interpersonal Communication & Negotiation 12 3

Year 1, Semester 2
CON401 Advanced Organisational Communication 12 3
CON413 Issues in Intercultural Communication 12 3

Year 2, Semester 1
CON420 Theories of Human Communication 12 3
Elective Unit 12 3

Year 2, Semester 2
COB332 Issues in Publishing 12 3
Elective Unit 12 3

PUBLIC RELATIONS
Year 1, Semester 1
COB329 Publicity Methods 12 3
CON404 Communication Practice for Professionals 12 3
CON415 Public Relations Management 12 3
CON420 Theories of Human Communication 12 3

Year 1, Semester 2
CON414 Public Communication Campaigns 12 3
CON409 Financial Communication 12 3
Elective Unit 12 3

Part-Time Course Structure
Year 1, Semester 1
CON404 Communication Practice for Professionals 12 3
CON415 Public Relations Management 12 3

Year 1, Semester 2
CON409 Financial Communication 12 3
CON414 Public Communication Campaigns 12 3

2 Refer to course requirements.
Articulation with Masters Programs

Students who complete successfully the Graduate Diploma in Communication in 1996 or later can articulate into either the Master of Business – Communication Studies (for those students without an undergraduate degree in Communication) OR the Master of Business with a major in Communication (for those students with a Communication undergraduate degree). Students who have completed the above course structure will need to undertake a further 48 credit points of study in order to gain a Master of Business. Students who commenced their studies in BS72 prior to 1996 will be required to undertake additional credit points to be admitted to the Masters program. They should consult with the Course Coordinator for advice on articulation requirements in their case.

Graduate Diploma in Business (Industrial Relations) (BS74)

Location: Gardens Point campus
Course Duration: 2 semesters full-time, 4 semesters part-time
Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Dr Don Lambert

Entry Requirements
To be eligible for admission, an applicant must hold an approved degree or equivalent from a recognised tertiary institution. However, there exists provision for special entry for people without a degree but with appropriate industrial relations experience.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGN401   Comparative Industrial Relations</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN408   Industrial Relations Theory</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN419   Employment Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGN400   Australian Industrial Relations</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td>3</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGN407   Industrial Relations Strategies &amp; Policies</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MGN405   Industrial Relations &amp; the Economy</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN420   Australian Industrial Law</td>
<td>12</td>
<td>3</td>
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<tr>
<td>Select one of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGN406   Industrial Relations Practices</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td>3</td>
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</table>

Part-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>MGN401   Comparative Industrial Relations</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN419   Employment Law</td>
<td>12</td>
<td>3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGN405   Industrial Relations &amp; the Economy</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN420   Australian Industrial Law</td>
<td>12</td>
<td>3</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGN408   Industrial Relations Theory</td>
<td>12</td>
<td>3</td>
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</tbody>
</table>
Select one of the following units:

MGN400 Australian Industrial Relations 12 3
Elective Unit 12

**Year 2, Semester 2**

MGN407 Industrial Relations Strategies & Policies 12 3

Select one of the following units:

MGN406 Industrial Relations Practices 12 3
Elective Unit 12

Elective units to be selected from:

MGN409 Introduction to Management 12 3
MGN412 People in Organisations 12 3
GSN205 Managing Human Resources 12 3

or other units approved by the Course Coordinator.

*Please note that the Graduate Diploma in Industrial Relations is currently undergoing re-accreditation so the titles and content of some units may change.*

### Graduate Diploma in Business Administration (GS70)

The GDBA is designed as a first course in business for people with work experience and a degree from another discipline. It provides general business administration education by taking its core units from the MBA (Professional) program. The elective unit component allows students to gain knowledge in specific areas.

Majors will be offered in a range of areas such as Accounting, Arts Administration, Fundraising, Human Resource Management, Management Marketing, and Strategic Management.

**Location:** Gardens Point campus. In-house delivery can be negotiated for business clients.

**Course Duration:** 2 semesters full-time, 4 semesters part-time

**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Tuition Fees (Domestic Students):** $75.00 per credit point

**Course Coordinator:** Graduate School of Business, ph: 3864 1087 or email gsbenq@qut.edu.au

**Entry Requirements**

A candidate for entry into the Graduate Diploma of Business Administration program should normally possess:

(i) an undergraduate degree in an area other than business from a recognised Australian or overseas institution, and

(ii) at least two years of appropriate full-time work experience or equivalent.

For international students, as above, plus English language proficiency to an approved standard.

Mature age applicants without a degree but with extensive work experience at senior level may be considered for special entry.

**Course Structure**

Consists of eight units of 12 credit points each. At least four of these units will be core units, the remainder will be electives. Core units and electives will be specified for each major, and will be available from the Graduate School office.

**Articulation**

This course articulates with the MBA (Professional). The extent of articulation will depend upon choice of elective units.

**Graduate Diploma in Administration Majors**

**Accountancy major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>AYN402</td>
<td>Accounting Information Systems (PY)</td>
<td>12 3</td>
</tr>
<tr>
<td>AYN414</td>
<td>Cost Accounting</td>
<td>12 3</td>
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</tbody>
</table>
EGN406 Managerial Finance 12 3
GSN202 Managerial Accounting 12 3
GSN203 Managerial Economics 12 3
GSN204 Management & the Business Environment 12 3
GSN206 Marketing 12 3

**Arts Administration major**
GSN204 Management & the Business Environment 12 3
GSN206 Marketing 12 3
MIN400 Arts Administration & Society 12 3
MIN415 Marketing for Arts Administrators 12 3
MIN430 The Arts Industry 12 3
Plus two of the following units:
GSN202 Managerial Accounting 12 3
GSN203 Managerial Economics 12 3
GSN205 Managing Human Resources 12 3

Plus one elective

**Human Resource Management major**
GSN204 Management & the Business Environment 12 3
GSN205 Managing Human Resources 12 3
GSN208 Personal Development & Ethics for Managers 12 3
GSN207 Organisational Analysis & Consulting 12 3
MGN412 People in Organisations 12 3
Plus three HRM units approved by the Course Coordinator.

**International Business major**
Select four of the following units:
GSN201 Global Business Networks 12 3
GSN202 Managerial Accounting 12 3
GSN203 Managerial Economics 12 3
GSN204 Management & the Business Environment 12 3
GSN205 Managing Human Resources 12 3
GSN206 Marketing 12 3
Select four of the following units:
BSN408 Business & the International Environment 12 3
MIN401 Australian Foreign Affairs & Business 12 3
MIN403 Business in Asia 12 3
MIN404 Business in Europe 12 3
MIN405 Business in North America 12 3
MIN406 Comparative Regulatory Systems 12 3
MIN426 Special Topic in International Business 12 3
MIN433 Tourism: National and International 12 3

**Management major**
GSN204 Management & the Business Environment 12 3
Select three of the following units:
GSN200 Business Strategies 12 3
GSN201 Global Business Networks 12 3
GSN202 Managerial Accounting 12 3
GSN203 Managerial Economics 12 3
GSN205 Managing Human Resources 12 3
GSN206 Marketing 12 3
GSN207 Organisational Analysis & Consulting 12 3
GSN208 Personal Development and Ethics for Managers 12 3

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3 Students must have successfully completed MIN400 or MKP108 before enrolling in this unit.
4 Students must have successfully completed 48 credit points from the core of GS81 before enrolling in this unit.
5 Students must have successfully completed GSN204 or HRN104 before enrolling in this unit.
6 Students must have successfully completed GSN204 or BSN408 before enrolling in this unit.
7 Students must have successfully completed credit points from GS70 before enrolling in this unit.
Select four units from the approved schedule of elective or core options not already completed.

**Marketing major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GSN204</td>
<td>Management &amp; the Business Environment</td>
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<tr>
<td>GSN206</td>
<td>Marketing</td>
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Select two of the following units:

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GSN201</td>
<td>Global Business Networks</td>
<td>12</td>
</tr>
<tr>
<td>GSN202</td>
<td>Managerial Accounting</td>
<td>12</td>
</tr>
<tr>
<td>GSN203</td>
<td>Managerial Economics</td>
<td>12</td>
</tr>
<tr>
<td>GSN205</td>
<td>Managing Human Resources</td>
<td>12</td>
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Select four of the following units:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BSN404</td>
<td>Project 1</td>
<td>12</td>
</tr>
<tr>
<td>MIN403</td>
<td>Business in Asia</td>
<td>12</td>
</tr>
<tr>
<td>MIN404</td>
<td>Business in Europe</td>
<td>12</td>
</tr>
<tr>
<td>MIN405</td>
<td>Business in North America</td>
<td>12</td>
</tr>
<tr>
<td>MIN419</td>
<td>Seminars in Consumer Behaviour&lt;sup&gt;8&lt;/sup&gt;</td>
<td>12</td>
</tr>
<tr>
<td>MIN421</td>
<td>Seminars in International Marketing&lt;sup&gt;8&lt;/sup&gt;</td>
<td>12</td>
</tr>
<tr>
<td>MIN422</td>
<td>Seminars in Marketing Management&lt;sup&gt;8&lt;/sup&gt;</td>
<td>12</td>
</tr>
<tr>
<td>MIN423</td>
<td>Seminars in Product Innovation&lt;sup&gt;8&lt;/sup&gt;</td>
<td>12</td>
</tr>
<tr>
<td>MIN424</td>
<td>Seminars in Services Marketing&lt;sup&gt;8&lt;/sup&gt;</td>
<td>12</td>
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<tr>
<td>MIN425</td>
<td>Seminars in Strategic Marketing</td>
<td>12</td>
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<tr>
<td>MIN426</td>
<td>Special Topic in International Business</td>
<td>12</td>
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</table>

**Tourism major**

Select four of the following units:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GSN201</td>
<td>Global Business Networks</td>
<td>12</td>
</tr>
<tr>
<td>GSN202</td>
<td>Managerial Accounting</td>
<td>12</td>
</tr>
<tr>
<td>GSN203</td>
<td>Managerial Economics</td>
<td>12</td>
</tr>
<tr>
<td>GSN204</td>
<td>Management &amp; the Business Environment</td>
<td>12</td>
</tr>
<tr>
<td>GSN205</td>
<td>Managing Human Resources</td>
<td>12</td>
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Select four of the following units:

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSN408</td>
<td>Business &amp; the International Environment</td>
<td>12</td>
</tr>
<tr>
<td>MIN428</td>
<td>Strategic Issues &amp; Tourism&lt;sup&gt;10&lt;/sup&gt;</td>
<td>12</td>
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<tr>
<td>MIN433</td>
<td>Tourism: National &amp; International</td>
<td>12</td>
</tr>
<tr>
<td>MIN431</td>
<td>Tourism Development&lt;sup&gt;10&lt;/sup&gt;</td>
<td>12</td>
</tr>
<tr>
<td>MIN432</td>
<td>Tourism Marketing&lt;sup&gt;10&lt;/sup&gt;</td>
<td>12</td>
</tr>
</tbody>
</table>

Please note that full-time study is only available for students who enter in semester 1.

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**Graduate Certificate in Management (BS30)**

**Location**: Gardens Point campus or in-house for corporate clients.

**Course Duration**: 1 semester full time, 2 semesters part-time

**Total Credit Points**: 48

**Standard Credit Points/Full-time Semester**: 48

**Tuition Fees (Domestic Students)**: $75.00 per credit point

**Course Coordinator**: Graduate School of Business, ph: 3864 1087 or email gsbenq@qut.edu.au

**Entry Requirements**

A candidate for entry into the Graduate Certificate in Management should normally possess:

(i) a degree from a recognised Australian or overseas university, and  
(ii) at least two years’ full-time work experience or equivalent.

<sup>8</sup> Students must either have an undergraduate specialisation in marketing or have successfully completed 48cps from GS70.

<sup>9</sup> Students must have successfully completed GSN206 or MIN422 before enrolling in this unit.

<sup>10</sup> Students must have successfully completed MIN433 before enrolling in this unit.
Applicants without a degree but with extensive experience at a senior level may be considered for special entry.

**Course Structure**

Graduate certificates normally consist of four units of 12 credit points each. A different combination of units is specified for each major option in the certificate.

**Course Options**

A range of options is available, including: Arts Administration; Finance; Fundraising; Human Resource Management; Industrial Relations; International Business; Management; Marketing; Quality Management; Tourism; Writing, Editing & Publishing.

**Articulation**

This course articulates with the GDBA and the MBA (Professional). The extent of articulation will depend upon the certificate option chosen and on elective choices within that option.

**Graduate Certificate in Management Majors**

**Arts Administration major**

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIN400</td>
<td>Arts Administration &amp; Society</td>
<td>12</td>
</tr>
<tr>
<td>MIN415</td>
<td>Marketing for Arts Administrators(^3)</td>
<td>12</td>
</tr>
<tr>
<td>MIN430</td>
<td>The Arts Industry(^3)</td>
<td>12</td>
</tr>
</tbody>
</table>

plus one of the following units:

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON415</td>
<td>Public Relations Management</td>
<td>12</td>
</tr>
<tr>
<td>GSN202</td>
<td>Managerial Accounting</td>
<td>12</td>
</tr>
<tr>
<td>GSN204</td>
<td>Management &amp; the Business Environment</td>
<td>12</td>
</tr>
<tr>
<td>MIN409</td>
<td>Fundraising Principles</td>
<td>12</td>
</tr>
</tbody>
</table>

Other electives may be approved by the Course Coordinator.

**Finance major**

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFN406</td>
<td>Managerial Finance</td>
<td>12</td>
</tr>
<tr>
<td>EFN408</td>
<td>Special Topic – Economics, Banking &amp; Finance A(^{11})</td>
<td>12</td>
</tr>
<tr>
<td>EFN411</td>
<td>Special Topic – Economics, Banking &amp; Finance B(^{11})</td>
<td>12</td>
</tr>
<tr>
<td>GSN203</td>
<td>Managerial Economics</td>
<td>12</td>
</tr>
</tbody>
</table>

**Fundraising major**

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GSN206</td>
<td>Marketing</td>
<td>12</td>
</tr>
<tr>
<td>MIN408</td>
<td>Fundraising Campaigns(^{12,13})</td>
<td>12</td>
</tr>
<tr>
<td>MIN409</td>
<td>Fundraising Principles(^{13})</td>
<td>12</td>
</tr>
</tbody>
</table>

plus one of the following units:

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSN404</td>
<td>Project I</td>
<td>12</td>
</tr>
<tr>
<td>CON415</td>
<td>Public Relations Management</td>
<td>12</td>
</tr>
<tr>
<td>GSN204</td>
<td>Management and the Business Environment</td>
<td>12</td>
</tr>
</tbody>
</table>

Other electives may be approved by the Course Coordinator.

**Human Resource Management major**

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GSN204</td>
<td>Management &amp; the Business Environment</td>
<td>12</td>
</tr>
<tr>
<td>GSN205</td>
<td>Managing Human Resources</td>
<td>12</td>
</tr>
</tbody>
</table>

plus two of the following units:

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GSN208</td>
<td>Personal Development &amp; Ethics for Managers</td>
<td>12</td>
</tr>
<tr>
<td>MGN410</td>
<td>Labour Management Relations</td>
<td>12</td>
</tr>
<tr>
<td>MGN412</td>
<td>People in Organisations(^{5})</td>
<td>12</td>
</tr>
</tbody>
</table>

or any other HRM unit approved by the Course Coordinator.

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\(^3\) Students must have successfully completed MIN400 or MKP108 before enrolling in this unit.

\(^5\) Students must have successfully completed GSN204 or HRN104 before enrolling in this unit.

\(^{11}\) Students must successfully complete EFN406 before enrolling in this unit.

\(^{12}\) Students must successfully complete MIN409 before enrolling in this unit.

\(^{13}\) May also be offered in intensive block mode.
**Industrial Relations major**

MGN400  Australian Industrial Relations  
MGN406  Industrial Relations Process  
MGN408  Industrial Relations Theory  
MGN419  Employment Law  
MGN420  Australian Industrial Law  

**International Business major**

BSN408  Business & the International Environment  

Select three of the following units:

GSN204  Management & the Business Environment  
MIN401  Australian Foreign Affairs & Business  
MIN403  Business in Asia  
MIN404  Business in Europe  
MIN405  Business in North America  
MIN433  Tourism: National and International  

**Management major**

GSN204  Management & the Business Environment  

Select one or more of the following units:

AYN410  Business Law & Ethics  
AYN416  Financial Accounting  
CON404  Communication Practice for Professionals  
CON420  Theories of Human Communication  
GSN201  Global Business Networks  
GSN202  Managerial Accounting  
GSN203  Managerial Economics  
GSN205  Managing Human Resources  
GSN206  Marketing  
GSN208  Personal Development & Ethics for Managers  
MGN401  Comparative Industrial Relations  
MGN402  Government – Business Relations  
MGN410  Labour – Management Relations  
MGN412  People in Organisations  

A total of four units must be completed. Select any remaining units from the Electives List.

**Marketing major**

GSN204  Management & the Business Environment  
GSN206  Marketing  
MIN424  Seminars in Services Marketing  

Select one of the following units:

BSN404  Project  
MIN403  Business in Asia  
MIN404  Business in Europe  
MIN405  Business in North America  
MIN426  Special Topic in International Business  

**Quality Management major**

GSN204  Management & the Business Environment  
MGN413  Quality Systems Management  

Select two of the following units:

MGN411  Management of Service Quality  
MGN416  Human Factors in the Management of Change  
MGN417  Quality & Improvement in Industry  
MGN418  Methods in Quality Development  

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5 Students must have successfully completed GSN204 or HRN104 before enrolling in this unit.

6 Students must have successfully completed GSN204 or BSN408 before enrolling in this unit.

14 Students must have successfully completed MGN400 before enrolling in this unit.

15 Students must have successfully completed GSN206 before enrolling in this unit.
**Tourism major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>GSN204</td>
<td>Management &amp; the Business Environment</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MIN433</td>
<td>Tourism: National &amp; International</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two of the following units:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIN431</td>
<td>Tourism Development</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MIN432</td>
<td>Tourism Marketing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSN408</td>
<td>Business and the International Environment</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

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**Bachelor of Business (Honours) (BS63)**


**Location:** Gardens Point campus

**Course Duration:** 2 semesters full-time, 4 semesters part-time

**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Dr Mark Shadur

**Entry Requirements**

Applicants for admission to candidature for a Bachelor of Business (Honours) shall:

(i) hold a Bachelor of Business from QUT which includes a major in the area of intended Honours level study and shall have achieved a grade point average (GPA) of 5 or better in units studied in the three years of undergraduate study, or

(ii) hold from QUT or another tertiary institution, qualifications approved by the Faculty of Business Academic Board as equivalent to the requirements set out in paragraph (i), or

(iii) have other qualifications and experience which is considered by the Course Coordinator to qualify for admission.

Applications for admission to Honours will normally be at the end of the final year of the pass degree, or within 18 months of completing the pass degree.

**Course Requirements**

Students must complete four units (48 credit points) and a dissertation (48 credit points), as per the programs of study described below for the area of Honours study. Coursework units and dissertation will be graded on a 1-7 scale. The Course Coordinator, in conjunction with dissertation examiners and supervisors will recommend awards of 1st class, 2nd class division A, 2nd class division B, or 3rd class Honours on the basis of GPA to the Academic Board.

**PROGRAM FOR ACCOUNTANCY, ECONOMICS AND BANKING & FINANCE**

Students must complete three prescribed units (36 credit points), one elective (12 credit points) and a dissertation (48 credit points).

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>(i) Compulsory Unit – All Students</td>
<td></td>
</tr>
<tr>
<td>BSN500</td>
<td>Research Methods</td>
</tr>
<tr>
<td>(ii) Units in Accountancy</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>AYN505</td>
<td>Accounting Honours – A</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN506</td>
<td>Accounting Honours – B</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYN507</td>
<td>Business Law Honours</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

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10 Students must have successfully completed MIN433 before enrolling in this unit.
(iii) Electives
The elective unit may be taken from any level 4 or 5 postgraduate units offered by the Schools of Accountancy, and Economics and Finance, or by other Schools within the Faculty of Business, subject to the approval of the Course Coordinator or Head of School.

(iv) Compulsory Dissertation – All Students
BSN501 Dissertation (48 credit points)

PROGRAM FOR HUMAN RESOURCE MANAGEMENT, INTERNATIONAL BUSINESS, MANAGEMENT & MARKETING
Under the umbrella of Management and Human Resource Management, students may undertake a specialisation in Industrial Relations, Public Sector Management or Organisational Futures. Students will need to have completed the relevant specialisation in their undergraduate degree. Details are available from the School Administration Officer, School of Management.

Under the umbrella of International Business, students may be able to take specialised studies in Industry Economics. Details are available from the School Administration Officer, School of Marketing and International Business.

(i) Compulsory Units – All Students
BSN502 Research Methodology
BSN503 Research Seminars

(ii) Two units from the area of Honours study:
Units in Human Resource Management (Compulsory)
MGN506 Contemporary Issues in HRM
MGN508 HRM Cases
OR

Units in International Business
Two units from one of the following sets of units (approved by the Course Coordinator)

International Business
MIN403 Business in Asia
MIN404 Business in Europe
MIN405 Business in North America
MIN406 Comparative Regulatory Systems
MIN426 Special Topic – International Business

Tourism
MIN433 Tourism: National & International
MIN431 Tourism Development
MIN432 Tourism Marketing
Area Study (one from MIN403, MIN404, MIN405 or MIN426)

Arts and Culture
MIN400 Arts Administration & Society
MIN430 The Arts Industry
MIN415 Marketing for Arts Administrators
MIN409 Fundraising Principles
MIN408 Fundraising Campaigns
OR

Units in Management (Compulsory)
MGN501 Readings in Management
MGN507 Contemporary Issues in Management
OR
Units in Marketing
Two of the following units (approved by the Course Coordinator):
MIN407 Contemporary Issues in Marketing
MIN414 Marketing Decision Systems
MIN419 Seminars in Consumer Behaviour
MIN422 Seminar in Marketing Management
MIN423 Seminars in Product Innovation & Development

Available in Semester 3
MIN411 Industry Competition & Network Analysis
MIN425 Seminars in Strategic Marketing
MIN429 Strategic Marketing Management

(iii) Compulsory Dissertation – All Students
BSN501 Dissertation (48 credit points)

PROGRAM FOR COMMUNICATION
Students must complete four prescribed units (48 credit points) and a dissertation (48 credit points). Research can be undertaken in the fields of Advertising, Organisational Communication, and Public Relations.

(i) Compulsory Units
CON406 Communication Strategies 12
CON407 Communication Technology & Global Networks 12
CON500 Research Methods 12
CON501 Research Seminar 12

(ii) Compulsory Dissertation
BSN501 Dissertation 48

Bachelor of Business (BS56)
Note: Students enrolled in pre-1996 courses should consult the 1995 Handbook and course summary sheets for course details.

Location: Gardens Point campus
Course Duration: 3 years full-time, 6 years part-time
Total Credit Points: 288
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Dr Sandra Harding

Major Coordinators:
Accountancy: Ms Elizabeth McDade (Acting)
Banking and Finance: Mr Mark Christensen
Communication: Mr Bernie Murchison
Economics: Mrs Helen Higgs
Human Resource Management: Mr Greg Southey
International Business: Dr Beverley Kitching
Management: Dr Dianne Lewis
Marketing: Mr Terry Euler

Special Requirements for the Bachelor of Business Degree in the Faculty of Business
A full-time student may only enrol in units selected from those contained in the normal course program for Semesters 1 and 2 in the first year of study unless in exceptional circumstances, and with the approval of the Dean. Similarly, a part-time student may only select units from those listed for Years 1 and 2 in the first two years of study. Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.

A student must enrol for more than one unit in any semester, unless they have the approval of the Dean.

It is Faculty of Business policy that a grade of 4 or higher is required in prerequisite units before a student can enrol in further units. Prerequisite requirements are provided in the unit synopsis and it is the student’s responsibility to ensure they are correctly enrolled.
Copies of Faculty Rules and Procedures are available from the Faculty of Business Enquiries Counter at Gardens Point in Z402, or Carseldine in C201. They are also distributed at Faculty orientation to all commencing students.

**Course Requirements**

Students commencing the Bachelor of Business must complete the following requirements:

(i) 24 units of equal weighting totalling 288 credit points

(ii) comprised of:
   (a) eight Faculty Core Units (refer to A below)
   (b) the relevant block of six Major Core Units (refer to B below)
   (c) one of the following:
      (i) Double Major (six units); or
      (ii) Extended Major (six units); or
      (iii) Specialisation (six units).
   (d) plus four electives or a minor of four units.

**BACHELOR OF BUSINESS COURSE STRUCTURE**

![Course Structure Diagram]

To assist with enrolment procedures students are strongly advised to collect a course structure from the Faculty of Business Enquiries Counter at Gardens Point in Z402, or Carseldine in C201, once the specific combination of Major and Double Major/Extended Major/Specialisation has been determined. The course structure outlines a sequence of unit study and ensures that prerequisite requirements of a unit are satisfied.

**(A) FACULTY CORE UNITS**

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB110</td>
<td>Accounting</td>
<td>12</td>
<td>4</td>
<td>1, 2</td>
</tr>
<tr>
<td>BSB111</td>
<td>Business Ethics</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
</tr>
<tr>
<td>BSB112</td>
<td>Business Technology &amp; Information</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
</tr>
<tr>
<td>BSB113</td>
<td>Economics</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
</tr>
<tr>
<td>BSB114</td>
<td>Government, Business &amp; Society</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
</tr>
<tr>
<td>BSB115</td>
<td>Management, People &amp; Organisations</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
</tr>
<tr>
<td>BSB116</td>
<td>Marketing &amp; International Business</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
</tr>
<tr>
<td>BSB117</td>
<td>Professional Communication &amp; Negotiation</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
</tr>
</tbody>
</table>

_Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major._

**(B) MAJOR CORE UNITS**

**Accountancy**

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>AYB121</td>
<td>Financial Accounting</td>
<td>12</td>
<td>4</td>
<td>1, 2</td>
</tr>
<tr>
<td>EFB101</td>
<td>Data Analysis for Business</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
</tr>
<tr>
<td>AYB221</td>
<td>Computerised Accounting Systems</td>
<td>12</td>
<td>4</td>
<td>1, 2</td>
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<tr>
<td>Code</td>
<td>Unit Name</td>
<td>Semester</td>
<td>Credit</td>
<td>Mode</td>
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<tr>
<td>--------</td>
<td>-------------------------------------</td>
<td>----------</td>
<td>--------</td>
<td>------</td>
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<tr>
<td>AYB120</td>
<td>Business Law</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AYB220</td>
<td>Company Accounting</td>
<td>12</td>
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<tr>
<td>AYB301</td>
<td>Auditing</td>
<td>12</td>
<td>3</td>
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</tr>
<tr>
<td>EFB201</td>
<td>Australian Financial Markets</td>
<td>12</td>
<td>3</td>
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<tr>
<td>EFB210</td>
<td>Finance I</td>
<td>12</td>
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<tr>
<td>EFB307</td>
<td>Finance II</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
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</tbody>
</table>

**Banking and Finance**

<table>
<thead>
<tr>
<th>Code</th>
<th>Unit Name</th>
<th>Semester</th>
<th>Credit</th>
<th>Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFB101</td>
<td>Data Analysis for Business</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
</tr>
<tr>
<td>EFB102</td>
<td>Economics II</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
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<tr>
<td>EFB201</td>
<td>Australian Financial Markets</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
</tr>
<tr>
<td>EFB210</td>
<td>Finance I</td>
<td>12</td>
<td>3</td>
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<tr>
<td>EFB307</td>
<td>Finance II</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
</tr>
<tr>
<td>EFB312</td>
<td>International Finance &amp; Economics</td>
<td>12</td>
<td>3</td>
<td>16, 2</td>
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</tbody>
</table>

**Communication**

<table>
<thead>
<tr>
<th>Code</th>
<th>Unit Name</th>
<th>Semester</th>
<th>Credit</th>
<th>Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>COB203</td>
<td>Communication Research Methods</td>
<td>12</td>
<td>3</td>
<td>16, 2</td>
</tr>
<tr>
<td>COB213</td>
<td>Strategic Speech Communication</td>
<td>12</td>
<td>3</td>
<td>16, 2</td>
</tr>
<tr>
<td>COB216</td>
<td>Theoretical Perspectives on Communication</td>
<td>12</td>
<td>3</td>
<td>16, 2</td>
</tr>
<tr>
<td>COB217</td>
<td>Writing for the Communication Professions</td>
<td>12</td>
<td>3</td>
<td>16, 2</td>
</tr>
<tr>
<td>COB309</td>
<td>Applied Communication Research</td>
<td>12</td>
<td>3</td>
<td>16, 2</td>
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</tbody>
</table>

**Economics**

<table>
<thead>
<tr>
<th>Code</th>
<th>Unit Name</th>
<th>Semester</th>
<th>Credit</th>
<th>Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFB101</td>
<td>Data Analysis for Business</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
</tr>
<tr>
<td>EFB102</td>
<td>Economics II</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
</tr>
<tr>
<td>EFB202</td>
<td>Business Cycles &amp; Economic Growth</td>
<td>12</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>EFB211</td>
<td>Firms, Markets &amp; Resources</td>
<td>12</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>EFB305</td>
<td>Current Economic Policy Challenges</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>EFB314</td>
<td>International Trade &amp; Economic Competitiveness</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

**Human Resource Management**

<table>
<thead>
<tr>
<th>Code</th>
<th>Unit Name</th>
<th>Semester</th>
<th>Credit</th>
<th>Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGB100</td>
<td>Methods &amp; Analysis</td>
<td>12</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>MGB207</td>
<td>Managing Human Resources</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
</tr>
<tr>
<td>MGB211</td>
<td>Organisational Behaviour</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
</tr>
<tr>
<td>MGB217</td>
<td>Training &amp; Development I</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>MGB328</td>
<td>Work &amp; Performance</td>
<td>12</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>MGB320</td>
<td>Recruitment &amp; Selection I</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
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**International Business**

<table>
<thead>
<tr>
<th>Code</th>
<th>Unit Name</th>
<th>Semester</th>
<th>Credit</th>
<th>Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB300</td>
<td>Management, the Firm &amp; International Business</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>MIB202</td>
<td>Business &amp; the World Economy</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>MIB203</td>
<td>Comparative Regulatory Systems</td>
<td>12</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>MIB211</td>
<td>Globalisation &amp; Business</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

and any one of the following pairs of area study units:

<table>
<thead>
<tr>
<th>Code</th>
<th>Unit Name</th>
<th>Semester</th>
<th>Credit</th>
<th>Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIB200</td>
<td>Asian Business Development</td>
<td>12</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>MIB317</td>
<td>Contemporary Business in Asia</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>MIB208</td>
<td>European Business Development</td>
<td>12</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>MIB300</td>
<td>Contemporary Business in Europe</td>
<td>12</td>
<td>3</td>
<td>2</td>
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<tr>
<td>MIB219</td>
<td>North American Business Development</td>
<td>12</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>MIB301</td>
<td>Contemporary Business in North America</td>
<td>12</td>
<td>3</td>
<td>2</td>
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</table>

**Management**

<table>
<thead>
<tr>
<th>Code</th>
<th>Unit Name</th>
<th>Semester</th>
<th>Credit</th>
<th>Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGB100</td>
<td>Methods &amp; Analysis</td>
<td>12</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>MGB207</td>
<td>Managing Human Resources</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
</tr>
<tr>
<td>MGB210</td>
<td>Operations, Production &amp; Service Management</td>
<td>12</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>MGB211</td>
<td>Organisational Behaviour</td>
<td>12</td>
<td>3</td>
<td>1, 2</td>
</tr>
<tr>
<td>MGB303</td>
<td>Entrepreneurship</td>
<td>12</td>
<td>3</td>
<td>1</td>
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<tr>
<td>MGB309</td>
<td>Strategic Management</td>
<td>12</td>
<td>3</td>
<td>2</td>
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</table>

**Marketing**

<table>
<thead>
<tr>
<th>Code</th>
<th>Unit Name</th>
<th>Semester</th>
<th>Credit</th>
<th>Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFB101</td>
<td>Data Analysis for Business</td>
<td>12</td>
<td>3</td>
<td>2</td>
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<tr>
<td>MIB204</td>
<td>Consumer Behaviour</td>
<td>12</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>MIB213</td>
<td>International Marketing</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>MIB217</td>
<td>Marketing Management</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

16 Indicates part-time/evening mode of offer for these Communication units
Definitions

Double Major: a second major core (six units) chosen from above. Six units must be completed for a double major. An alternative double major option unit must be substituted if a unit has already been completed.

Extended Major: an additional group of six specified units in the same discipline area as the major core. A list of possible extended majors is provided later, with the respective primary majors.

Specialisation: a coherent group of six specified units in a discipline area. Specialisations for business students may be chosen from a number of areas (refer to C below). Six units must be completed for a specialisation. An alternative specialisation option unit must be substituted if a unit has already been completed.

Minor: a coherent group of four specified units in a discipline area. A list of approved minors is available from the Faculty of Business Enquiries Counter at Gardens Point in Z402, or Carseldine in C201.

Elective: a unit of 12 credit points chosen from any degree course at QUT. Electives may also be taken at other recognised universities if the student obtains written approval from the Course Coordinator and the Head of School.

(C) SPECIALISATIONS FOR BUSINESS MAJORS

<table>
<thead>
<tr>
<th>Accounting (ACS)</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester Offered</th>
</tr>
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<tbody>
<tr>
<td>AYB121 Financial Accounting</td>
<td>12</td>
<td>4</td>
<td>1, 2</td>
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<tr>
<td>AYB221 Computerised Accounting Systems</td>
<td>12</td>
<td>4</td>
<td>1, 2</td>
</tr>
<tr>
<td>AYB220 Company Accounting</td>
<td>12</td>
<td>4</td>
<td>1, 2</td>
</tr>
<tr>
<td>AYB225 Management Accounting I</td>
<td>12</td>
<td>4</td>
<td>1, 2</td>
</tr>
<tr>
<td>plus two of the following:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AYB311 Financial Accounting Theory</td>
<td>12</td>
<td>4</td>
<td>1, 2</td>
</tr>
<tr>
<td>AYB321 Management Accounting Theory</td>
<td>12</td>
<td>4</td>
<td>1, 2</td>
</tr>
<tr>
<td>AYB313 Government Accounting</td>
<td>12</td>
<td>3</td>
<td>217</td>
</tr>
</tbody>
</table>

Advertising (AVS)
(Business students without a Communication Major)

| COB217 Writing for Communication Professions | 12            | 3              | 116, 2          |
| COB216 Theoretical Perspectives on Communication | 12            | 3              | 1, 216          |
| COB308 Advertising Theory & Practice         | 12            | 3              | 1, 216          |
| COB304 Advertising Copywriting               | 12            | 3              | 1, 216          |
| COB317 Media Planning                        | 12            | 3              | 116, 2          |
| COB306 Advertising Management                | 12            | 3              | 116, 2          |

Analytical Techniques for Business (ANS)
(Business students with an Economics Major)

| EFB214 Mathematical Applications in Economics & Finance | 12            | 3              | 1              |
| EFB213 Introduction to Analytical Techniques for Business | 12            | 3              | 1              |
| EFB200 Applied Regression Analysis                | 12            | 3              | 2              |
| EFB203 Business Forecasting                       | 12            | 3              | 1              |
| EFB304 Advanced Econometric Techniques            | 12            | 3              | 2              |

plus one approved Economics and Finance Core or Elective unit (subject to prerequisites and approval of Economics Major Coordinator).

Analytical Techniques for Business (ANS)
(Business students without an Economics Major)

| EFB101 Data Analysis for Business | 12            | 3              | 1, 2          |
| EFB213 Introduction to Analytical Techniques for Business | 12            | 3              | 1              |
| EFB200 Applied Regression Analysis               | 12            | 3              | 2              |

16 Indicates part-time/evening mode of offer for these Communication units.

17 This unit offering is subject to change, depending on enrolment numbers.
EFB304  Advanced Econometric Techniques  12 3 2  
EFB203  Business Forecasting  12 3 1  
plus one approved Economics and Finance Core or Elective unit (subject to prerequisites and approval of Economics Major Coordinator).

**Business Law (BLS)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AYB120</td>
<td>Business Law</td>
<td>12</td>
</tr>
<tr>
<td>AYB223</td>
<td>Law of Business Associations</td>
<td>12</td>
</tr>
<tr>
<td>AYB325</td>
<td>Taxation Law</td>
<td>12</td>
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</table>

plus three of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>AYB312</td>
<td>Financial Institutions Law</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>AYB315</td>
<td>Industrial Law</td>
<td>12</td>
<td>1 or 2</td>
</tr>
<tr>
<td>AYB317</td>
<td>International Business Law</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>AYB305</td>
<td>Company Law &amp; Practice</td>
<td>12</td>
<td>1, 2</td>
</tr>
<tr>
<td>AYB328</td>
<td>Taxation Law II</td>
<td>12</td>
<td>1 or 2</td>
</tr>
</tbody>
</table>

**Economic Policy (EPS)**

**Business students without an Economics Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFB102</td>
<td>Economics II</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>EFB211</td>
<td>Firms, Markets &amp; Resources</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>EFB202</td>
<td>Business Cycles &amp; Economic Growth</td>
<td>12</td>
<td>1</td>
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</tbody>
</table>

plus three of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFB100</td>
<td>Australian Economic History</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>EFB204</td>
<td>Comparative Economic Systems</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>EFB207</td>
<td>Development of Economic Thought</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>EFB209</td>
<td>Environmental Economics: Issues and Policy</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>EFB212</td>
<td>International Trade &amp; Finance</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>EFB215</td>
<td>Monetary Theory &amp; Policy</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>EFB217</td>
<td>Transport &amp; Communication Economics</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>EFB302</td>
<td>Advanced Macroeconomics</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>EFB303</td>
<td>Advanced Microeconomics</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>EFB305</td>
<td>Current Economic Policy Challenges</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>EFB314</td>
<td>International Trade &amp; Economic Competitiveness</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>EFB321</td>
<td>Special Topic – Economics</td>
<td>12</td>
<td>1, 2</td>
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</table>

**Human Resource Management (HRS)**

**Business students without a Human Resource Management or Management Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGB207</td>
<td>Managing Human Resources</td>
<td>12</td>
<td>1, 2</td>
</tr>
<tr>
<td>MGB211</td>
<td>Organisational Behaviour</td>
<td>12</td>
<td>1, 2</td>
</tr>
<tr>
<td>MGB315</td>
<td>Personal &amp; Professional Development</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>MGB328</td>
<td>Work &amp; Performance</td>
<td>12</td>
<td>1</td>
</tr>
</tbody>
</table>

plus two approved Human Resource Management units

**Industrial Relations (IRS)**

**Business students with a Human Resource Management or Management Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGB201</td>
<td>Employment Regulation &amp; Administration</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>MGB204</td>
<td>Industrial Relations</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>MGB219</td>
<td>Work &amp; Society</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>MGB312</td>
<td>Negotiation &amp; Collective Bargaining</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>MGB329</td>
<td>Workplace Industrial Relations</td>
<td>12</td>
<td>2</td>
</tr>
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</table>

plus one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGB202</td>
<td>Equity at Work</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>MGB209</td>
<td>Occupational Health &amp; Safety Management</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>MGB301</td>
<td>Advocacy</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>MGB308</td>
<td>International Industrial Relations</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>MGB327</td>
<td>Wages &amp; Employment</td>
<td>12</td>
<td>1</td>
</tr>
</tbody>
</table>

**Industrial Relations (IRS)**

**Business students without a Human Resource Management or Management Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGB207</td>
<td>Managing Human Resources</td>
<td>12</td>
<td>1, 2</td>
</tr>
<tr>
<td>MGB211</td>
<td>Organisational Behaviour</td>
<td>12</td>
<td>1, 2</td>
</tr>
</tbody>
</table>

18 These unit offerings are subject to change, depending on enrolment numbers.
plus four of the following:

- MGB201 Employment Regulation & Administration 12 3 1
- MGB202 Equity at Work 12 3 2
- MGB204 Industrial Relations 12 3 2
- MGB209 Occupational Health & Safety Management 12 3 1
- MGB219 Work & Society 12 3 1
- MGB301 Advocacy 12 3 2
- MGB308 International Industrial Relations 12 3 2
- MGB312 Negotiation & Collective Bargaining 12 3 1
- MGB327 Wages & Employment 12 3 1
- MGB329 Workplace Industrial Relations 12 3 2

**International Business Analysis (IBS)**

- MIB212 Industry & Regional Analysis 12 3 1
- MIB314 Strategic Business Analysis 12 3 2
- MIB203 Comparative Regulatory Systems 12 3 1

plus one of the following groups of three industry or area focused options:

- MIB200 Asian Business Development 12 3 1
- MIB317 Contemporary Business in Asia 12 3 2
- MIB205 Cross Cultural Communication & Negotiation 12 3 2
- MIB208 European Business Development 12 3 1
- MIB300 Contemporary Business in Europe 12 3 2
- MIB205 Cross Cultural Communication & Negotiation 12 3 2
- MIB219 North American Business Development 12 3 1
- MIB301 Contemporary Business in North America 12 3 2
- MIB205 Cross Cultural Communication & Negotiation 12 3 2
- MIB225 Tourism 12 3 1
- MIB316 Tourism Development 12 3 2
- MIB226 Tourism Marketing 12 3 2
- MIB311 Services Marketing 12 3 1
- MIB221 Retail Industry 12 3 19
- MIB310 Retail Marketing 12 3 20
- EFB217 Transport & Communications Economics 12 3 1
- MIB215 Marketing Logistics 12 3 19
- MIB303 International Logistics 12 3 19
- MIB222 Sport & Recreation Industries 12 3 19
- MIB214 Management of Sport & Recreation 12 3 20
- MIB218 Marketing Sport and Recreation 12 3 20
- MIB223 Technology & International Business 12 3 19
- MIB207 Economics of Information and Technology & Marketing 12 3 20
- or Product Innovation and Market Development 12 3 2
- MIB307 Product Innovation and Market Development 12 3 2
- MIB302 Cultural Industries Analysis 12 3 19
- MIB209 Events Marketing 12 3 20
- MIB226 Tourism Marketing 12 3 2

**Language (LGS)**

Students are required to take six language units in either French, German, Indonesian or Japanese. Students may also seek approval to undertake a different language at another tertiary institution. Refer to the International Business major for details on units and codes.

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19 *These units will be offered in odd numbered years commencing with 1997.*

20 *These units will be offered in even numbered years commencing with 1998.*
Management (MNS)
(Business students without a Human Resource Management or Management Major)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGB207</td>
<td>Managing Human Resources</td>
<td>12</td>
<td>3, 1, 2</td>
</tr>
<tr>
<td>MGB210</td>
<td>Operations, Production &amp; Service Management</td>
<td>12</td>
<td>3, 1</td>
</tr>
<tr>
<td>MGB211</td>
<td>Organisational Behaviour</td>
<td>12</td>
<td>3, 1, 2</td>
</tr>
<tr>
<td>MGB303</td>
<td>Entrepreneurship</td>
<td>12</td>
<td>3, 1</td>
</tr>
<tr>
<td>MGB309</td>
<td>Strategic Management</td>
<td>12</td>
<td>3, 2</td>
</tr>
</tbody>
</table>

plus one approved Management unit

Marketing (MGS)
(Business students without a Marketing Major)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIB204</td>
<td>Consumer Behaviour</td>
<td>12</td>
<td>3, 1</td>
</tr>
<tr>
<td>MIB217</td>
<td>Marketing Management</td>
<td>12</td>
<td>3, 2</td>
</tr>
<tr>
<td>MIB315</td>
<td>Strategic Marketing</td>
<td>12</td>
<td>3, 2</td>
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</tbody>
</table>

plus any three of the Marketing Extended Major units.

Marketing, Law and Finance (MLS)
(Business students without a Marketing Major)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>AYB120</td>
<td>Business Law</td>
<td>12</td>
<td>3, 1, 2</td>
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<tr>
<td>EFB210</td>
<td>Finance I</td>
<td>12</td>
<td>4, 1, 2</td>
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<td>MIB210</td>
<td>Export Management</td>
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<tr>
<td>MIB311</td>
<td>Services Marketing</td>
<td>12</td>
<td>3, 2</td>
</tr>
<tr>
<td>MIB216</td>
<td>Marketing Decision Making</td>
<td>12</td>
<td>3, 2</td>
</tr>
<tr>
<td>MIB307</td>
<td>Product Innovation &amp; Market Development</td>
<td>12</td>
<td>3, 2</td>
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</table>

Organisational Communication (OCS)
(Business students without a Communication Major)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>COB216</td>
<td>Theoretical Perspectives on Communication</td>
<td>12</td>
<td>3, 1, 2, 16</td>
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<tr>
<td>COB204</td>
<td>Communication Technology for Organisations</td>
<td>12</td>
<td>3, 1, 2, 16</td>
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<tr>
<td>COB208</td>
<td>Intercultural Communication &amp; Diversity</td>
<td>12</td>
<td>3, 1, 2, 16</td>
</tr>
<tr>
<td>COB318</td>
<td>Organisational Communication</td>
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<td>3, 16, 2</td>
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plus one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>COB311</td>
<td>Communication Practice: Interpersonal &amp; Presentational Strategies</td>
<td>12</td>
<td>3, 1, 2, 16</td>
</tr>
<tr>
<td>COB314</td>
<td>Corporate Writing &amp; Editing</td>
<td>12</td>
<td>3, 1, 2, 16</td>
</tr>
</tbody>
</table>

plus one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>COB217</td>
<td>Writing for the Communication Professions</td>
<td>12</td>
<td>3, 16, 2</td>
</tr>
<tr>
<td>COB213</td>
<td>Strategic Speech Communication</td>
<td>12</td>
<td>3, 16, 2</td>
</tr>
</tbody>
</table>

Organisational Futures (OFS)
(Business students with a Human Resource Management or Management Major)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>MGB212</td>
<td>Perspectives on Organisations</td>
<td>12</td>
<td>3, 1</td>
</tr>
<tr>
<td>MGB326</td>
<td>Understanding Organisations</td>
<td>12</td>
<td>3, 2</td>
</tr>
<tr>
<td>MGB302</td>
<td>Cooperative Organisation</td>
<td>12</td>
<td>3, 1</td>
</tr>
<tr>
<td>MGB314</td>
<td>Organisational Consulting &amp; Counselling</td>
<td>12</td>
<td>3, 1</td>
</tr>
<tr>
<td>MGB324</td>
<td>The Virtual Organisation</td>
<td>12</td>
<td>3, 2</td>
</tr>
<tr>
<td>MGB313</td>
<td>Organisational Change &amp; Development</td>
<td>12</td>
<td>3, 2</td>
</tr>
</tbody>
</table>

Organisational Futures (OFS)
(Business students without a Human Resource Management or Management Major)

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>MGB207</td>
<td>Managing Human Resources</td>
<td>12</td>
<td>3, 1, 2</td>
</tr>
<tr>
<td>MGB211</td>
<td>Organisational Behaviour</td>
<td>12</td>
<td>3, 1, 2</td>
</tr>
<tr>
<td>MGB212</td>
<td>Perspectives on Organisations</td>
<td>12</td>
<td>3, 1</td>
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</table>

plus three of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGB302</td>
<td>Cooperative Organisation</td>
<td>12</td>
<td>3, 1</td>
</tr>
<tr>
<td>MGB313</td>
<td>Organisational Change &amp; Development</td>
<td>12</td>
<td>3, 2</td>
</tr>
<tr>
<td>MGB314</td>
<td>Organisational Consulting &amp; Counselling</td>
<td>12</td>
<td>3, 1</td>
</tr>
<tr>
<td>MGB324</td>
<td>The Virtual Organisation</td>
<td>12</td>
<td>3, 2</td>
</tr>
<tr>
<td>MGB326</td>
<td>Understanding Organisations</td>
<td>12</td>
<td>3, 2</td>
</tr>
</tbody>
</table>

16 Indicates part-time/evening mode of offer for these Communication units.
20 These units will be offered in even numbered years commencing with 1998.
21 In 1997 only. Thereafter, these units will be offered in Semester 1.
Public Relations (PUS)  
(Business students without a Communication Major)

- COB216 Theoretical Perspectives on Communication 12 3 1, 2\(^{16}\)
- COB325 Public Relations Theory & Practice 12 3 1, 2\(^{16}\)
- COB329 Publicity Methods 12 3 1, 2\(^{16}\)
- COB327 Publication Management 12 3 1\(^{16}\), 2
- COB217 Writing for the Communication Professions 12 3 1\(^{16}\), 2

plus one of the following:

- COB324 Public Relations Issues & Strategic Planning 12 3 1, 2\(^{16}\)
- COB326 Public Relations Writing 12 3 1\(^{16}\), 2

Public Sector Management (PSS)  
(Business students with a Human Resource Management or Management Major)

- MGB205 Machinery of Government 12 3 1
- MGB203 Government-Management Interface 12 3 2
- MGB318 Public Policy 12 3 1
- MGB317 Political & Administrative Analysis 12 3 1
- MGB213 Public Sector Management 12 3 2
- MGB316 Policy Implementation & Evaluation 12 3 2

Public Sector Management (PSS)  
(Business students without a Human Resource Management or Management Major)

- MGB207 Managing Human Resources 12 3 1, 2
- MGB211 Organisational Behaviour 12 3 1, 2
- MGB205 Machinery of Government 12 3 1

plus three of the following:

- MGB203 Government-Management Interface 12 3 2
- MGB213 Public Sector Management 12 3 2
- MGB316 Policy Implementation & Evaluation 12 3 2
- MGB317 Political & Administrative Analysis 12 3 1
- MGB318 Public Policy 12 3 1

Small and Medium Enterprise Management (SMS)  
(Business students without Management Major)

- MGB207 Managing Human Resources 12 3 1, 2
- MGB210 Operations, Production and Service Management 12 3 1
- MGB211 Organisational Behaviour 12 3 1, 2
- MGB218 Venture Skills 12 3 2
- MGB303 Entrepreneurship 12 3 1
- MGB323 Small Business Management 12 3 1

Small and Medium Enterprise Management (SMS)  
(Business students with a Management Major)

- MGB212 Perspectives on Organisations 12 3 1
- MGB218 Venture Skills 12 3 2
- MGB302 Cooperative Organisation 12 3 1
- MGB323 Small Business Management 12 3 1
- MIB217 Marketing Management 12 3 2
- MIB307 Product Innovation and Market Development 12 3 2

☐ Accountancy Major (ACA)

Professional Recognition

Students completing the Bachelor of Business (Accountancy) degree with an extended major satisfy the academic requirements for membership of various professional associations and statutory bodies.

Students completing the Extended Major in Professional Accounting or Business Law and Taxation meet the academic requirements for Associate membership of the Australian Society of Certified Practising Accountants (ASCPA) and enrolment in the CPA examinations of the ASCPA and the Professional Year (PY) examinations of The Institute of Chartered Accountants in Australia. Students completing the Business

\(^{16}\) Indicates part-time/evening mode of offer for these Communication units.
Computing Extended Major satisfy the requirements for Associate membership of the ASCPA and meet partially the academic requirements for Associate membership of the Australian Computer Society. To be eligible for enrolment in the CPA and PY examinations, such students must complete two additional units – AYB223 Law of Business Associations and AYB325 Taxation Law.

These extended majors also satisfy the academic requirements of the following associations and bodies: Tax Agents Registration Board (TARB), the Institute of Chartered Secretaries and Administrators (ICS&A), and the Chartered Institute of Company Secretaries in Australia.

Students must achieve grades of 4 or better in all units to meet the requirements of the professional bodies.

**HONOURS YEAR (OPTIONAL)**

Refer to the course outline of BS63 for details.

**ACCOUNTANCY MAJOR – Full-Time Course Structure**
(For students not seeking professional recognition)

**Year 1, Semester 1**
- BSB116 Marketing & International Business
- BSB110 Accounting
- BSB113 Economics
- BSB114 Government, Business & Society

**Year 1, Semester 2**
- BSB112 Business Technology & Information
- AYB120 Business Law
- AYB121 Financial Accounting
  - Double Major/Specialisation unit

**Year 2, Semester 1**
- BSB111 Business Ethics
- EFB101 Data Analysis for Business
- AYB220 Company Accounting
- AYB221 Computerised Accounting Systems

**Year 2, Semester 2**
- BSB115 Management, People & Organisations
- BSB117 Professional Communication & Negotiation
  - Double Major/Specialisation unit
  - Double Major/Specialisation unit

**Year 3, Semester 1**
- AYB301 Auditing
  - Double Major/Specialisation unit
  - Elective unit

**Year 3, Semester 2**
- Double Major/Specialisation unit
- Elective unit
- Elective unit
- Elective unit

_Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major._

**ACCOUNTANCY MAJOR – Part-Time Course Structure**
(For students not seeking professional recognition)

**Year 1, Semester 1**
- BSB110 Accounting
- BSB113 Economics

**Year 1, Semester 2**
- AYB121 Financial Accounting
  - Double Major/Specialisation unit
Year 2, Semester 1
BSB116  Marketing & International Business
BSB114  Government, Business & Society

Year 2, Semester 2
BSB112  Business Technology & Information
AYB120  Business Law

Year 3, Semester 1
BSB111  Business Ethics
EFB101  Data Analysis for Business

Year 3, Semester 2
BSB115  Management, People & Organisations
Double Major/Specialisation unit

Year 4, Semester 1
AYB220  Company Accounting
AYB221  Computerised Accounting Systems

Year 4, Semester 2
BSB117  Professional Communication & Negotiation
Double Major/Specialisation unit

Year 5, Semester 1
AYB301  Auditing
Double Major/Specialisation unit

Year 5, Semester 2
Double Major/Specialisation unit
Elective unit

Year 6, Semester 1
Double Major/Specialisation unit
Elective unit

Year 6, Semester 2
Elective unit
Elective unit

Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.

EXTENDED MAJORS FOR THE MAJOR IN ACCOUNTANCY

EXTENDED MAJOR IN PROFESSIONAL ACCOUNTING (PAX)

Full-Time Course Structure

Year 1, Semester 1
BSB116  Marketing & International Business
BSB110  Accounting
BSB113  Economics
BSB114  Government, Business & Society

Year 1, Semester 2
BSB112  Business Technology & Information
EFB102  Economics II
AYB120  Business Law
AYB121  Financial Accounting

Year 2, Semester 1
BSB111  Business Ethics
EFB101  Data Analysis for Business
AYB220  Company Accounting
AYB221  Computerised Accounting Systems

Year 2, Semester 2
AYB223  Law of Business Associations
BSB115  Management, People & Organisations
AYB225  Management Accounting I
BSB117  Professional Communication & Negotiation
Year 3, Semester 1
AYB325 Taxation Law
AYB301 Auditing
EFB210 Finance I
Elective unit

Year 3, Semester 2
AYB311 Financial Accounting Theory
OR
AYB321 Management Accounting Theory
Elective unit
Elective unit
Elective unit

Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.

Part-Time Course Structure

Year 1, Semester 1
BSB110 Accounting
BSB113 Economics

Year 1, Semester 2
EFB102 Economics II
AYB121 Financial Accounting

Year 2, Semester 1
BSB116 Marketing & International Business
BSB114 Government, Business & Society

Year 2, Semester 2
BSB112 Business Technology & Information
AYB120 Business Law

Year 3, Semester 1
BSB111 Business Ethics
EFB101 Data Analysis for Business

Year 3, Semester 2
AYB223 Law of Business Associations
BSB115 Management, People & Organisations

Year 4, Semester 1
AYB220 Company Accounting
AYB221 Computerised Accounting Systems

Year 4, Semester 2
AYB225 Management Accounting I
BSB117 Professional Communication & Negotiation

Year 5, Semester 1
AYB325 Taxation Law
AYB301 Auditing

Year 5, Semester 2
AYB311 Financial Accounting Theory
OR
AYB321 Management Accounting Theory
Elective unit

Year 6, Semester 1
EFB210 Finance I
Elective unit

Year 6, Semester 2
Elective unit
Elective unit

Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.
EXTENDED MAJOR IN BUSINESS LAW AND TAX (BLX)

Full-Time Course Structure

Year 1, Semester 1
BSB116 Marketing & International Business
BSB110 Accounting
BSB113 Economics
BSB114 Government, Business & Society

Year 1, Semester 2
BSB112 Business Technology & Information
EFB102 Economics II
AYB120 Business Law
AYB121 Financial Accounting

Year 2, Semester 1
BSB111 Business Ethics
EFB101 Data Analysis for Business
AYB220 Company Accounting
AYB223 Law of Business Associations

Year 2, Semester 2
AYB325 Taxation Law
BSB115 Management, People & Organisations
AYB225 Management Accounting I
BSB117 Professional Communication & Negotiation

Year 3, Semester 1
AYB301 Auditing
EFB210 Finance I
  Extended Major Unit

Year 3, Semester 2
AYB311 Financial Accounting Theory
  OR
AYB321 Management Accounting Theory
  Extended Major Unit

AYB221 Computerised Accounting Systems

Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.

Part-Time Course Structure

Year 1, Semester 1
BSB110 Accounting
BSB113 Economics

Year 1, Semester 2
EFB102 Economics II
AYB121 Financial Accounting

Year 2, Semester 1
BSB116 Marketing & International Business
BSB114 Government, Business & Society

Year 2, Semester 2
BSB112 Business Technology & Information
AYB120 Business Law

Year 3, Semester 1
BSB111 Business Ethics
AYB223 Law of Business Associations

Year 3, Semester 2
AYB325 Taxation Law
BSB115 Management, People & Organisations
Year 4, Semester 1
AYB220  Company Accounting
EFB101  Data Analysis for Business

Year 4, Semester 2
AYB225  Management Accounting I
BSB117  Professional Communication & Negotiation

Year 5, Semester 1
AYB301  Auditing
Extended Major Unit

Year 5, Semester 2
AYB311  Financial Accounting Theory
OR
AYB321  Management Accounting Theory
Extended Major Unit

Year 6, Semester 1
EFB210  Finance I
Extended Major Unit

Year 6, Semester 2
AYB221  Computerised Accounting Systems
Extended Major Unit

Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.

Extended Major Units
AYB303  Commercial & Securities Law
AYB305  Company Law & Practice
AYB312  Financial Institutions Law
AYB316  Insolvency Law & Practice
AYB318  International Taxation
AYB323  Tax Planning
AYB328  Taxation Law 2

EXTENDED MAJOR IN BUSINESS COMPUTING (BCX)

Full-Time Course Structure

Year 1, Semester 1
BSB116  Marketing & International Business
BSB110  Accounting
BSB113  Economics
BSB114  Government, Business & Society

Year 1, Semester 2
BSB112  Business Technology & Information
EFB102  Economics II
ITB840  Introduction to Computing
AYB121  Financial Accounting

Year 2, Semester 1
BSB111  Business Ethics
EFB101  Data Analysis for Business
AYB220  Company Accounting
AYB221  Computerised Accounting Systems

Year 2, Semester 2
ITB221  Laboratory 3 (Commercial Programming)
BSB115  Management, People & Organisations
AYB225  Management Accounting I
BSB117  Professional Communication & Negotiation

Year 3, Semester 1
ITB222  Systems Analysis & Design 1
AYB301  Auditing
Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.

Part-Time Course Structure

Year 1, Semester 1
BSB110  Accounting
BSB113  Economics

Year 1, Semester 2
EFB102  Economics II
AYB121  Financial Accounting

Year 2, Semester 1
BSB112  Business Technology & Information
BSB114  Government, Business & Society

Year 2, Semester 2
BSB116  Marketing & International Business
ITB840  Introduction to Computing

Year 3, Semester 1
BSB111  Business Ethics
EFB101  Data Analysis for Business

Year 3, Semester 2
ITB221  Laboratory 3 (Commercial Programming)
BSB115  Management, People & Organisations

Year 4, Semester 1
AYB220  Company Accounting
AYB221  Computerised Accounting Systems

Year 4, Semester 2
AYB225  Management Accounting I
BSB117  Professional Communication & Negotiation

Year 5, Semester 1
ITB222  Systems Analysis & Design I
AYB301  Auditing

Year 5, Semester 2
AYB311  Financial Accounting Theory
AYB321  Management Accounting Theory
AYB309  Computer Security & Audit

Year 6, Semester 1
EFB210  Finance I
ITB520  Data Communications

Year 6, Semester 2
ITB242  Decision Support Systems
AYB120  Business Law

Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.
Banking and Finance Major (BKF)

The School of Economics and Finance recommends the following course combinations which provide excellent professional recognition and career opportunities:

The **extended majors in Banking and Funds Management** build on the corporate and institutional finance studied in the major. The extended majors provide the opportunity for in-depth, comprehensive study of banking, funds management and risk management. Four electives are available for another area of study.

The **Bachelor of Business (Banking and Finance) with a double major in Accountancy** provides the opportunity for professional recognition in both disciplines. The Banking and Finance major is enhanced by additional Accountancy studies. These graduates are in high demand for a wide range of career opportunities.

The **Bachelor of Business (Banking and Finance) with a double major in Economics** provides the opportunity for professional recognition in both disciplines, offering a wide range of career opportunities, particularly in the economic and financial forecasting functions within the financial and government sectors.

Course structures for these combinations are available at the Faculty Enquiries counters. Enrolment advice is available from the School of Economics and Finance (Level 8, Z Block, Gardens Point).

**Professional Recognition**

The Extended Major in Banking or the Extended Major in Funds Management is recognised as satisfying the academic requirements for Senior Associate Membership of the Australian Institute of Banking and Finance. If the units AYB305 Company Law and Practice, AYB223 Law of Business Associations and EFB308 Finance III are included as electives, students will satisfy the academic requirements for membership of the Chartered Institute of Company Secretaries in Australia.

Students completing the Bachelor of Business (Banking and Finance) with a double major in Accountancy (excluding AYB221 Computerised Accounting Systems), as well as AYB225 Management Accounting I, AYB223 Law of Business Associations, AYB325 Taxation Law and AYB311 Financial Accounting Theory or AYB321 Management Accounting Theory and either EFB310 Financial Institutions – Control and EFB311 Financial Institutions – Lending OR EFB308 Finance III and EFB318 Portfolio & Security Analysis, are recognised as satisfying the academic requirements for Associate membership of the ASCPA as well as Senior Associate Membership of the Australian Institute of Banking and Finance. The ASCPA will not accept a grade of 3 in the advanced core units.

Students completing the Bachelor of Business (Banking and Finance) with a double major in Economics (including EFB308 Finance III and EFB318 Portfolio & Security Analysis as substitute major core units; OR EFB311 Financial Institutions – Lending and EFB310 Financial Institutions -Control as substitute major core units with AYB120 Business Law and AYB312 Financial Institutions Law as elective units) can expect to gain admission to Senior Associate Membership of the Australian Institute of Banking and Finance as well as professional membership of the Economic Society of Australia (Qld).

**HONOURS YEAR (OPTIONAL)**

Refer to the course outline of BS63 for details.

**BANKING AND FINANCE MAJOR – Full-Time Course Structure**

**Year 1, Semester 1**

BSB112 Business Technology & Information  
BSB113 Economics  
BSB114 Government, Business & Society  
BSB116 Marketing & International Business

**Year 1, Semester 2**

BSB110 Accounting  
BSB115 Management, People & Organisations  
EFB101 Data Analysis for Business  
EFB102 Economics II

**Year 2, Semester 1**

BSB111 Business Ethics  
BSB117 Professional Communication & Negotiation
EFB210  Finance I
Double Major/Extended Major/Specialisation unit

**Year 2, Semester 2**
EFB307  Finance II
Double Major/Extended Major/Specialisation unit
Double Major/Extended Major/Specialisation unit
Elective unit

**Year 3, Semester 1**
EFB201  Australian Financial Markets
Double Major/Extended Major/Specialisation unit
Double Major/Extended Major/Specialisation unit
Elective unit

**Year 3, Semester 2**
EFB312  International Finance & Economics
Double Major/Extended Major/Specialisation unit
Elective unit
Elective unit

*Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.*

**BANKING AND FINANCE MAJOR – Part-Time Course Structure**

**Year 1, Semester 1**
BSB112  Business Technology & Information
BSB113  Economics

**Year 1, Semester 2**
BSB115  Management, People & Organisations
EFB102  Economics II

**Year 2, Semester 1**
BSB114  Government, Business & Society
BSB116  Marketing & International Business

**Year 2, Semester 2**
BSB110  Accounting
EFB101  Data Analysis for Business

**Year 3, Semester 1**
BSB111  Business Ethics
EFB210  Finance I

**Year 3, Semester 2**
Double Major/Extended Major/Specialisation unit
Double Major/Extended Major/Specialisation unit

**Year 4, Semester 1**
EFB307  Finance II
Elective unit

**Year 4, Semester 2**
Double Major/Extended Major/Specialisation unit
BSB117  Professional Communication & Negotiation

**Year 5, Semester 1**
EFB201  Australian Financial Markets
Double Major/Extended Major/Specialisation unit

**Year 5, Semester 2**
Elective unit
Elective unit

**Year 6, Semester 1**
Double Major/Extended Major/Specialisation unit
Elective unit
Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.

EXTENDED MAJORS FOR THE MAJOR IN BANKING AND FINANCE

Banking (BFX)

Full-time

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>AYB120</td>
<td>Business Law</td>
<td>12</td>
<td>3</td>
<td>Yr 2/S 1</td>
</tr>
<tr>
<td>AYB225</td>
<td>Management Accounting 1</td>
<td>12</td>
<td>3</td>
<td>Yr 2/S 2</td>
</tr>
<tr>
<td>EFB311</td>
<td>Financial Institutions – Lending</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 1</td>
</tr>
<tr>
<td>EFB310</td>
<td>Financial Institutions – Control</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 2</td>
</tr>
<tr>
<td>AYB312</td>
<td>Financial Institutions Law</td>
<td>12</td>
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Part-time

<table>
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<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester Offered</th>
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<tbody>
<tr>
<td>AYB120</td>
<td>Business Law</td>
<td>12</td>
<td>3</td>
<td>Yr 4/S 2</td>
</tr>
<tr>
<td>AYB225</td>
<td>Management Accounting 1</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 2</td>
</tr>
<tr>
<td>EFB311</td>
<td>Financial Institutions – Lending</td>
<td>12</td>
<td>3</td>
<td>Yr 5/S 1</td>
</tr>
<tr>
<td>EFB310</td>
<td>Financial Institutions – Control</td>
<td>12</td>
<td>3</td>
<td>Yr 6/S 2</td>
</tr>
<tr>
<td>AYB312</td>
<td>Financial Institutions Law</td>
<td>12</td>
<td>3</td>
<td>Yr 6/S 1</td>
</tr>
</tbody>
</table>

plus one unit from the Extended Major Options list below

Funds Management (FDX)

Full-time

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester Offered</th>
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</thead>
<tbody>
<tr>
<td>AYB120</td>
<td>Business Law</td>
<td>12</td>
<td>3</td>
<td>Yr 2/S 1</td>
</tr>
<tr>
<td>AYB225</td>
<td>Management Accounting 1</td>
<td>12</td>
<td>3</td>
<td>Yr 2/S 2</td>
</tr>
<tr>
<td>EFB308</td>
<td>Finance III</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 2</td>
</tr>
<tr>
<td>EFB309</td>
<td>Financial Derivatives</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 2</td>
</tr>
<tr>
<td>AYB318</td>
<td>Portfolio &amp; Security Analysis</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 1</td>
</tr>
</tbody>
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Part-time

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester Offered</th>
</tr>
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<tbody>
<tr>
<td>AYB120</td>
<td>Business Law</td>
<td>12</td>
<td>3</td>
<td>Yr 4/S 2</td>
</tr>
<tr>
<td>AYB225</td>
<td>Management Accounting 1</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 2</td>
</tr>
<tr>
<td>EFB308</td>
<td>Finance III</td>
<td>12</td>
<td>3</td>
<td>Yr 6/S 2</td>
</tr>
<tr>
<td>EFB309</td>
<td>Financial Derivatives</td>
<td>12</td>
<td>3</td>
<td>Yr 6/S 2</td>
</tr>
<tr>
<td>AYB318</td>
<td>Portfolio &amp; Security Analysis</td>
<td>12</td>
<td>3</td>
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plus one unit from the Extended Major Options list below

Banking and Finance Extended Major Options

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester Offered</th>
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<td>EFB312</td>
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<td>Applied Regression Analysis</td>
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<td>Advanced Lending</td>
<td>12</td>
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<td>Finance III</td>
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<td>EFB309</td>
<td>Financial Derivatives</td>
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<td>EFB311</td>
<td>Financial Institutions – Lending</td>
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<tr>
<td>EFB315</td>
<td>Issues in Finance</td>
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<td>3</td>
<td>1</td>
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<tr>
<td>EFB318</td>
<td>Portfolio &amp; Security Analysis</td>
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<td>3</td>
<td>1, 2</td>
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Finance Elective units

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<td>EFB201</td>
<td>Australian Financial Markets</td>
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<td>EFB205</td>
<td>Comparative Financial Systems</td>
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<td>EFB206</td>
<td>Corporate Finance</td>
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<td>EFB210</td>
<td>Finance I</td>
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<td>EFB212</td>
<td>International Trade &amp; Finance</td>
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EFB301  Advanced Lending  12  3  1
EFB307  Finance II  12  3  1 & 2
EFB308  Finance III  12  3  2
EFB309  Financial Derivatives  12  3  2
EFB312  International Finance & Economics  12  3  2
EFB315  Issues in Finance  12  3  1
EFB318  Portfolio & Security Analysis  12  3  1 & 2
EFB320  Personal Financial Planning  12  3  TBA

Communication Major (CMU)

Professional Recognition
The BBus (Communication) with extended major in Advertising course is accredited by the Advertising Institute of Australia. It is also endorsed by the Advertising Federation of Australia, the Australian Association of National Advertisers and the Australian Direct Marketing Association. Graduates are eligible for Associate Membership (Dip) of the Advertising Institute of Australia.

Graduates of the BBus (Communication) with extended major in Organisational Communication course may become members of the Society of Business Communicators, Australian Institute of Training and Development and other similar professional organisations.

Students of the Public Relations Extended Major meet the requirements of membership of a number of professional bodies. These include the Public Relations Institute of Australia and the Society of Business Communicators, as well as associated and international bodies. Details of such memberships can be obtained through the School of Communication.

Honours Year (Optional)
Refer to the course outline of BS63 for details.

Communication Major – Full-Time Course Structure

Year 1, Semester 1
- BSB112  Business Technology & Information
- BSB115  Management, People & Organisations
- BSB117  Professional Communication & Negotiation
- BSB114  Government, Business & Society

Year 1, Semester 2
- BSB110  Accounting
- COB217  Writing for the Communication Professions
- COB213  Strategic Speech Communication
- BSB116  Marketing & International Business

Year 2, Semester 1
- BSB113  Economics
- COB216  Theoretical Perspectives on Communication
- Double Major/Extended Major/Specialisation unit
- Double Major/Extended Major/Specialisation unit

Year 2, Semester 2
- COB203  Communication Research Methods
- BSB111  Business Ethics
- Double Major/Extended Major/Specialisation unit
- Double Major/Extended Major/Specialisation unit

Year 3, Semester 1
- COB309  Applied Communication Research
- Double Major/Extended Major/Specialisation unit
- Elective unit
- Elective unit

Those students undertaking an Organisational Communication Extended Major will need to study an elective unit in Year 2, Semester 2 and the Extended Major unit in Year 3, Semester 1.
Year 3, Semester 2
COB310 Communication Issues
Double Major/Extended Major/Specialisation unit
Elective unit
Elective unit

Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.

COMMUNICATION MAJOR – Part-Time Course Structure

Year 1, Semester 1
BSB112 Business Technology & Information
BSB115 Management, People & Organisations

Year 1, Semester 2
BSB117 Professional Communication & Negotiation
BSB114 Government, Business & Society

Year 2, Semester 1
BSB110 Accounting
COB217 Writing for the Communication Professions

Year 2, Semester 2
BSB113 Economics
COB216 Theoretical Perspectives on Communication

Year 3, Semester 1
BSB116 Marketing & International Business
COB213 Strategic Speech Communication

Year 3, Semester 2
Double Major/Extended Major/Specialisation unit
Double Major/Extended Major/Specialisation unit

Year 4, Semester 1
COB203 Communication Research Methods
Double Major/Extended Major/Specialisation unit

Year 4, Semester 2
BSB111 Business Ethics
Double Major/Extended Major/Specialisation unit

Year 5, Semester 1
Double Major/Extended Major/Specialisation unit
Elective unit

Year 5, Semester 2
COB309 Applied Communication Research
Elective unit

Year 6, Semester 1
COB310 Communication Issues
Double Major/Extended Major/Specialisation unit

Year 6, Semester 2
Elective unit
Elective unit

Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.

EXTENDED MAJORS FOR THE MAJOR IN COMMUNICATION

<table>
<thead>
<tr>
<th>Advertising (Full-time) (ADX)</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester Offered</th>
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<tbody>
<tr>
<td>COB303 Advertising Campaigns</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 2</td>
</tr>
<tr>
<td>COB304 Advertising Copywriting</td>
<td>12</td>
<td>3</td>
<td>Yr 2/S 1</td>
</tr>
</tbody>
</table>

23 Those students undertaking an Organisational Communication Extended Major will need to study an elective unit in Year 5, Semester 1 and the Extended Major unit in Year 5, Semester 2.
Economics Major (ECO)

The School of Economics and Finance recommends the following course combinations which provide excellent professional recognition and career opportunities:

The extended major in Advanced Economic Analysis provides the opportunity for in-depth, comprehensive study of current policy issues affecting both the private and public sectors. Emphasis is given to the overriding importance that international economic conditions play in determining the prosperity of Australia. Four electives are available for another area of study.

The Bachelor of Business (Economics) with a specialisation in Analytical Techniques for Business builds on the appreciation of the role of economic thinking in sound business decision making that the Economics major provides. Increasingly, effective business and government decision making demands the advanced data analytical skills with which graduates of this specialisation will be equipped.

The Bachelor of Business (Economics) with a double major in Banking and Finance provides the opportunity for professional recognition in both disciplines, offering a wide range of career opportunities,
particularly in the economic and financial forecasting functions within the financial and government sectors.

Course structures for these combinations are available at the Faculty Enquiries counters. Enrolment advice is available from the School of Economics and Finance (Level 8, Z Block, Gardens Point).

**Professional Recognition**

This major satisfies the academic requirements for ordinary membership of the Economic Society of Australia and, with the completion of the extended major in Advanced Economic Analysis, for professional membership of the Queensland division of the Economic Society, the Chartered Institute of Transport, the Market Research Society and the Australian Marketing Institute. It also partially fulfills the requirements for membership of the Australian Institute of Banking and Finance (AIBF).

In addition to qualifying for ordinary membership of the Economic Society of Australia and professional membership of the Queensland division of the Economic Society, students completing the Bachelor of Business (Economics) with a double major in Banking and Finance can also qualify for Senior Associate Membership of the Australian Institute of Banking and Finance by either (a) including EFB311 Financial Institutions – Lending and EFB310 Financial Institutions – Control as substitute major core units with AYB120 Business Law and AYB312 Financial Institutions Law as electives, OR (b) including EFB308 Finance III and EFB318 Portfolio & Security Analysis as substitute major core units.

**HONOURS YEAR (OPTIONAL)**

Refer to the course outline of BS63 for details. Students intending to do Honours in Economics are strongly advised to undertake EFB302 Advanced Macroeconomics and EFB303 Advanced Microeconomics.

### ECONOMICS MAJOR – Full-Time Course Structure

**Year 1, Semester 1**
- BSB112 Business Technology & Information
- BSB113 Economics
- BSB116 Marketing & International Business
- EFB101 Data Analysis for Business

**Year 1, Semester 2**
- BSB115 Management, People & Organisations
- BSB110 Accounting
- BSB114 Government, Business & Society
- EFB102 Economics II

**Year 2, Semester 1**
- BSB111 Business Ethics
- EFB202 Business Cycles & Economic Growth
- EFB211 Firms, Markets & Resources
  - Double Major/Extended Major/Specialisation unit

**Year 2, Semester 2**
- BSB117 Professional Communication & Negotiation
- EFB305 Current Economic Policy Challenges
- EFB314 International Trade & Economic Competitiveness
  - Double Major/Extended Major/Specialisation unit

**Year 3, Semester 1**
- Double Major/Extended Major/Specialisation unit
- Double Major/Extended Major/Specialisation unit
- Elective unit
- Elective unit

**Year 3, Semester 2**
- Double Major/Extended Major/Specialisation unit
- Double Major/Extended Major/Specialisation unit
- Elective unit
- Elective unit

*Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.*
ECONOMICS MAJOR – Part-Time Course Structure

Year 1, Semester 1
BSB112 Business Technology & Information
BSB113 Economics

Year 1, Semester 2
EFB102 Economics II
BSB115 Management, People & Organisations

Year 2, Semester 1
BSB116 Marketing & International Business
EFB101 Data Analysis for Business

Year 2, Semester 2
BSB110 Accounting
BSB114 Government, Business & Society

Year 3, Semester 1
BSB111 Business Ethics
EFB211 Firms, Markets & Resources

Year 3, Semester 2
EFB305 Current Economic Policy Challenges
EFB314 International Trade & Economic Competitiveness

Year 4, Semester 1
EFB202 Business Cycles & Economic Growth
Double Major/Extended Major/Specialisation unit

Year 4, Semester 2
BSB117 Professional Communication & NegotiationDouble Major/Extended Major/Specialisation unit

Year 5, Semester 1
Double Major/Extended Major/Specialisation unit
Double Major/Extended Major/Specialisation unit

Year 5, Semester 2
Double Major/Extended Major/Specialisation unit
Double Major/Extended Major/Specialisation unit

Year 6, Semester 1
Elective unit

Year 6, Semester 2
Elective unit

Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.

EXTENDED MAJORS FOR THE MAJOR IN ECONOMICS

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester Offered</th>
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<tbody>
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<td>12</td>
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<td>International Macroeconomics</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 2</td>
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<tr>
<td>EFB317</td>
<td>Microeconomic Reform</td>
<td>12</td>
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plus two units from the Extended Major Options list below

**Advanced Economic Analysis (Part-time)**

<table>
<thead>
<tr>
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<td>Yr 5/S 1</td>
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<td>EFB303</td>
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<td>EFB313</td>
<td>International Macroeconomics</td>
<td>12</td>
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<td>Yr 5/S 2</td>
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<td>EFB317</td>
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plus two units from the Extended Major Options list below
Economics Extended Major Options

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<td>EFB203</td>
<td>Business Forecasting</td>
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<tr>
<td>EFB204</td>
<td>Comparative Economic Systems</td>
<td>12</td>
<td>3</td>
<td>2</td>
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<tr>
<td>EFB207</td>
<td>Development of Economic Thought</td>
<td>12</td>
<td>3</td>
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<tr>
<td>EFB209</td>
<td>Environmental Economics: Issues &amp; Policy</td>
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<tr>
<td>EFB210</td>
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<td>Mathematical Applications in Economics &amp; Finance</td>
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<td>EFB215</td>
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<td>Transport &amp; Communication Economics</td>
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<td>Advanced Econometric Techniques</td>
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<td>EFB319</td>
<td>Public Sector Economics</td>
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<td>Special Topic – Economics</td>
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Economics Elective units

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<td>Data Analysis for Business</td>
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<td>EFB102</td>
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<td>EFB103</td>
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<td>EFB104</td>
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<td>EFB200</td>
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<td>EFB202</td>
<td>Business Cycles &amp; Economic Growth</td>
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<td>EFB203</td>
<td>Business Forecasting</td>
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<td>EFB204</td>
<td>Comparative Economic Systems</td>
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<td>EFB207</td>
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<td>EFB209</td>
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<tr>
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<td>Firms, Markets &amp; Resources</td>
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<td>EFB214</td>
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<td>EFB215</td>
<td>Monetary Theory &amp; Policy</td>
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<td>EFB217</td>
<td>Transport &amp; Communication Economics</td>
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<td>Advanced Macroeconomics</td>
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<td>EFB304</td>
<td>Advanced Econometric Techniques</td>
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<td>Current Economic Policy Challenges</td>
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<td>EFB306</td>
<td>Economic Model Building</td>
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<td>TBA</td>
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<td>International Macroeconomics</td>
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<tr>
<td>EFB314</td>
<td>International Trade &amp; Economic Competitiveness</td>
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<td>EFB321</td>
<td>Special Topic – Economics</td>
<td>12</td>
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<td>1, 2</td>
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</table>

Human Resource Management Major (HRM)

Professional Recognition

This major satisfies the academic requirements for membership of the Australian Human Resources Institute, the Australian Institute of Management and the Australian Institute of Training and Development. Maximum time credit towards chartered membership grading of the Australian Human Resources Institute can be achieved by completion of several additional units or by completion of the extended major in Human Resource Management.

Graduates who complement their Human Resource Major with an Industrial Relations Specialisation are eligible to join the Industrial Relations Society and the Australian Human Resources Institute.

The Royal Institute of Public Administration Australia acknowledges the appropriateness of the Public Sector Management specialisation for the study of Public Sector Management. Subject to the choice of
suitable elective units, the Public Sector Management specialisation satisfies requirements for membership of the Australian Human Resource Institute (AHRI).

**HONOURS YEAR (OPTIONAL)**
Refer to the course outline of BS63 for details.

**HUMAN RESOURCE MANAGEMENT MAJOR – Full-Time Course Structure**

*Year 1, Semester 1*
- BSB112 Business Technology & Information
- BSB114 Government, Business & Society
- BSB115 Management, People & Organisations
- BSB117 Professional Communication & Negotiation

*Year 1, Semester 2*
- BSB113 Economics
- BSB116 Marketing & International Business
- MGB207 Managing Human Resources
- MGB211 Organisational Behaviour

*Year 2, Semester 1*
- BSB110 Accounting
- MGB100 Methods & Analysis
- MGB328 Work & Performance
  - Double Major/Extended Major/Specialisation unit

*Year 2, Semester 2*
- BSB111 Business Ethics
- MGB217 Training & Development I
- MGB320 Recruitment & Selection I
  - Double Major/Extended Major/Specialisation unit

*Year 3, Semester 1*
- Double Major/Extended Major/Specialisation unit
- Double Major/Extended Major/Specialisation unit
- Elective unit
- Elective unit

*Year 3, Semester 2*
- Double Major/Extended Major/Specialisation unit
- Double Major/Extended Major/Specialisation unit
- Elective unit
- Elective unit

*Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.*

**HUMAN RESOURCE MANAGEMENT MAJOR – Part-Time Course Structure**

*Year 1, Semester 1*
- BSB114 Government, Business & Society
- BSB115 Management, People & Organisations

*Year 1, Semester 2*
- BSB113 Economics
- BSB116 Marketing & International Business

*Year 2, Semester 1*
- BSB112 Business Technology & Information
- BSB117 Professional Communication & Negotiation

*Year 2, Semester 2*
- MGB207 Managing Human Resources
- MGB211 Organisational Behaviour

*Year 3, Semester 1*
- BSB110 Accounting
- MGB100 Methods & Analysis
Year 3, Semester 2
BSB111 Business Ethics
MGB217 Training & Development I

Year 4, Semester 1
MGB328 Work & Performance
Double Major/Extended Major/Specialisation unit

Year 4, Semester 2
MGB320 Recruitment & Selection I
Double Major/Extended Major/Specialisation unit

Year 5, Semester 1
Double Major/Extended Major/Specialisation unit
Elective unit

Year 5, Semester 2
Elective unit
Elective unit

Year 6, Semester 1
Double Major/Extended Major/Specialisation unit
Elective unit

Year 6, Semester 2
Double Major/Extended Major/Specialisation unit
Double Major/Extended Major/Specialisation unit

Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.

EXTENDED MAJORS FOR THE MAJOR IN HUMAN RESOURCE MANAGEMENT

<table>
<thead>
<tr>
<th>Human Resource Management (Full-time) (HRX)</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGB201 Employment Regulation &amp; Administration</td>
<td>12</td>
<td>3</td>
<td>Yr 2/S 1</td>
</tr>
<tr>
<td>MGB300 Advanced Organisational Behaviour</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 1</td>
</tr>
<tr>
<td>MGB305 Human Resource Management Strategy &amp; Policy</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 2</td>
</tr>
<tr>
<td>MGB315 Personal &amp; Professional Development</td>
<td>12</td>
<td>3</td>
<td>Yr 2/S 2</td>
</tr>
<tr>
<td>plus one of the following:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGB304 Human Resource Planning &amp; Information Systems</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 1</td>
</tr>
<tr>
<td>MGB314 Organisational Consulting &amp; Counselling</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 1</td>
</tr>
<tr>
<td>MGB321 Recruitment &amp; Selection II</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 1</td>
</tr>
<tr>
<td>MGB322 Remuneration Management</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 1</td>
</tr>
<tr>
<td>plus one of the following:</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>MGB202 Equity at Work</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 2</td>
</tr>
<tr>
<td>MGB307 International Human Resource Management</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 2</td>
</tr>
<tr>
<td>MGB313 Organisational Change &amp; Development</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 2</td>
</tr>
<tr>
<td>MGB325 Training &amp; Development II</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 2</td>
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Human Resource Management (Part-time)

<table>
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<tr>
<th>Human Resource Management (Part-time)</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester Offered</th>
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</thead>
<tbody>
<tr>
<td>MGB201 Employment Regulation &amp; Administration</td>
<td>12</td>
<td>3</td>
<td>Yr 4/S 1</td>
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<tr>
<td>MGB300 Advanced Organisational Behaviour</td>
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<td>Yr 5/S 1</td>
</tr>
<tr>
<td>MGB305 Human Resource Management Strategy &amp; Policy</td>
<td>12</td>
<td>3</td>
<td>Yr 6/S 2</td>
</tr>
<tr>
<td>MGB315 Personal &amp; Professional Development</td>
<td>12</td>
<td>3</td>
<td>Yr 4/S 2</td>
</tr>
<tr>
<td>plus one of the following:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGB304 Human Resource Planning &amp; Information Systems</td>
<td>12</td>
<td>3</td>
<td>Yr 6/S 1</td>
</tr>
<tr>
<td>MGB314 Organisational Consulting &amp; Counselling</td>
<td>12</td>
<td>3</td>
<td>Yr 6/S 1</td>
</tr>
<tr>
<td>MGB321 Recruitment &amp; Selection II</td>
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<td>Yr 6/S 1</td>
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<td>MGB322 Remuneration Management</td>
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<td>3</td>
<td>Yr 6/S 1</td>
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<tr>
<td>plus one of the following:</td>
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<td></td>
<td></td>
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<tr>
<td>MGB202 Equity at Work</td>
<td>12</td>
<td>3</td>
<td>Yr 6/S 2</td>
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<td>MGB307 International Human Resource Management</td>
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<tr>
<td>MGB313 Organisational Change &amp; Development</td>
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<td>3</td>
<td>Yr 6/S 2</td>
</tr>
<tr>
<td>MGB325 Training &amp; Development II</td>
<td>12</td>
<td>3</td>
<td>Yr 6/S 2</td>
</tr>
</tbody>
</table>
International Business Major (INB)

The full-time course structure for International Business students varies depending on whether languages are selected as an option. If languages are taken as a specialisation or as a four-unit minor, they should commence in the first semester of the first year to maintain continuity from earlier pre-QUT language studies. Two course structures are described below. The first outlines the course structure if no languages are taken. The second outlines the structure for those who wish to take from four to six language units from the lists which are provided below. All language units must normally be taken in the same language.

International Business students must undertake one of the following units, either as a compulsory unit that is a part of a core major, or as an elective:

(I) EFB101 Data Analysis for Business, OR
(ii) MGB100 Methods and Analysis

Honours Year (Optional)

Refer to the course outline of BS63 for details.

International Business Major – Full-Time Course Structure

Option One: No Languages

Year 1, Semester 1
- BSB113 Economics
- BSB115 Management, People & Organisations
- BSB116 Marketing & International Business
- BSB117 Professional Communication & Negotiation

Year 1, Semester 2
- BSB112 Business Technology & Information
- BSB114 Government, Business & Society
- MIB202 Business & the World Economy
- MIB211 Globalisation & Business

Year 2, Semester 1
- BSB110 Accounting
- BSB111 Business Ethics
- MIB203 Comparative Regulatory Systems
- Double Major/Extended Major/ Specialisation unit

Year 2, Semester 2
- BSB300 Management, the Firm & International Business
- Double Major/Extended Major/ Specialisation unit
- Double Major/Extended Major/ Specialisation unit
- Double Major/Extended Major/ Specialisation unit

Year 3, Semester 1
- Area Study 1
- Double Major/Extended Major/ Specialisation unit
- Double Major/Extended Major/ Specialisation unit
- Elective unit

Year 3, Semester 2
- Area Study 2
- Elective unit
- Elective unit
- Elective unit

Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.

International Business Major – Part-Time Course Structure

Option One: No Languages

Year 1, Semester 1
- BSB114 Government, Business & Society
- BSB116 Marketing & International Business
Year 1, Semester 2
BSB110   Accounting
BSB115   Management, People & Organisations

Year 2, Semester 1
BSB112   Business Technology & Information
BSB113   Economics

Year 2, Semester 2
MIB202   Business & the World Economy
MIB211   Globalisation & Business

Year 3, Semester 1
MIB203   Comparative Regulatory Systems
         Double Major/Extended Major/Specialisation unit

Year 3, Semester 2
BSB111   Business Ethics
         Double Major/Extended Major/Specialisation unit

Year 4, Semester 1
BSB117   Professional Communication & Negotiation
         Double Major/Extended Major/Specialisation unit

Year 4, Semester 2
BSB300   Management, the Firm & International Business
         Double Major/Extended Major/Specialisation unit

Year 5, Semester 1
         Double Major/Extended Major/Specialisation unit
         Double Major/Extended Major/Specialisation unit

Year 5, Semester 2
         Elective unit
         Elective unit

Year 6, Semester 1
         Area Study 1
         Elective unit

Year 6, Semester 2
         Area Study 2
         Elective unit

Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.

INTERNATIONAL BUSINESS MAJOR – Full-Time Course Structure
Option Two: Four to Six Language Units
Students undertaking a Language Specialisation must complete six language units.

Year 1, Semester 1
BSB113   Economics
BSB115   Management, People & Organisations
BSB116   Marketing & International Business
         Language 1

Year 1, Semester 2
BSB114   Government, Business & Society
MIB202   Business & the World Economy
MIB211   Globalisation & Business
         Language 2

Year 2, Semester 1
BSB110   Accounting
BSB112   Business Technology & Information
MIB203   Comparative Regulatory Systems
         Language 3
Year 2, Semester 2
BSB117 Professional Communication & Negotiation
BSB300 Management, the Firm & International Business
   Double Major/Extended Major/Specialisation/Elective unit
   Language 4

Year 3, Semester 1
   Area Study 1
   Double Major/Extended Major/Specialisation/Elective unit
   Double Major/Extended Major/Specialisation/Elective unit
   plus one of the following:
   Double Major/Extended Major/Specialisation/Elective unit
   Language 5

Year 3, Semester 2
   Area Study 2
   BSB111 Business Ethics
   Double Major/Extended Major/Specialisation/Elective unit
   plus one of the following:
   Double Major/Extended Major/Specialisation/Elective unit
   Language 6

Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.

INTERNATIONAL BUSINESS MAJOR – Part-Time Course Structure
Option Two: Four to Six Language Units
Students undertaking a Language Specialisation must complete six language units.

Year 1, Semester 1
BSB116 Marketing & International Business
   Language 1

Year 1, Semester 2
BSB115 Management, People & Organisations
   Language 2

Year 2, Semester 1
BSB112 Business Technology & Information
   Language 3

Year 2, Semester 2
BSB113 Economics
   Language 4

Year 3, Semester 1
BSB117 Professional Communication & Negotiation
   plus one of the following
   Language 5
   BSB111 Business Ethics (for those taking four language units)

Year 3, Semester 2
BSB114 Government, Business & Society
   plus one of the following:
   Language 6
   BSB110 Accounting (for those taking four language units)

Year 4, Semester 1
BSB111 Business Ethics; or if taking four language units
   Double Major/Extended Major/Specialisation/Elective unit
   plus:
   BSB110 Accounting; or if taking four language units
   Double Major/Extended Major/Specialisation/Elective unit

Year 4, Semester 2
MIB202 Business & the World Economy
MIB211 Globalisation & Business
Year 5, Semester 1
MIB203 Comparative Regulatory Systems
Double Major/Extended Major/Specialisation/Elective unit

Year 5, Semester 2
BSB300 Management, the Firm & International Business
Double Major/Extended Major/Specialisation/Elective unit

Year 6, Semester 1
Area Study 1
Double Major/Extended Major/Specialisation/Elective unit

Year 6, Semester 2
Area Study 2
Double Major/Extended Major/Specialisation/Elective unit

Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.

LIST OF LANGUAGES

The same language must be studied for at least four levels and unit codes are sequential (eg. French HUB670, HUB671, HUB672, HUB673), except French 7 (HUB678) and French 8 (HUB677). With the permission of the Major Coordinator, and where available, languages other than those listed may be taken, including languages studied at another university. International students must take a language that is not their native tongue. The language units are as follows:

<table>
<thead>
<tr>
<th>Semester Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRENCH</strong></td>
</tr>
<tr>
<td>1. Students without Year 12 Language qualifications in French should undertake the following sequence of units:</td>
</tr>
<tr>
<td>HUB670 French 1</td>
</tr>
<tr>
<td>HUB671 French 2</td>
</tr>
<tr>
<td>HUB672 French 3</td>
</tr>
<tr>
<td>HUB673 French 4</td>
</tr>
<tr>
<td>HUB674 French 5</td>
</tr>
<tr>
<td>HUB675 French 6</td>
</tr>
<tr>
<td>HUB678 French 7</td>
</tr>
<tr>
<td>HUB677 French 8</td>
</tr>
<tr>
<td>2. Students with Year 12 Language qualifications or equivalent in French should undertake the following sequence of units:</td>
</tr>
<tr>
<td>HUB672 French 3</td>
</tr>
<tr>
<td>HUB673 French 4</td>
</tr>
<tr>
<td>HUB674 French 5</td>
</tr>
<tr>
<td>HUB675 French 6</td>
</tr>
<tr>
<td>HUB678 French 7</td>
</tr>
<tr>
<td>HUB677 French 8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>INDONESIAN</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Students without Year 12 Language qualifications in Indonesian should undertake the following sequence of units:</td>
</tr>
<tr>
<td>HUB650 Indonesian 1</td>
</tr>
<tr>
<td>HUB651 Indonesian 2</td>
</tr>
<tr>
<td>HUB652 Indonesian 3</td>
</tr>
<tr>
<td>HUB653 Indonesian 4</td>
</tr>
<tr>
<td>HUB654 Indonesian 5</td>
</tr>
<tr>
<td>HUB655 Indonesian 6</td>
</tr>
<tr>
<td>HUB656 Indonesian 7</td>
</tr>
<tr>
<td>HUB657 Indonesian 8</td>
</tr>
<tr>
<td>2. Students with Year 12 Language qualifications or equivalent in Indonesian should undertake the following sequence of units:</td>
</tr>
<tr>
<td>HUB652 Indonesian 3</td>
</tr>
<tr>
<td>HUB653 Indonesian 4</td>
</tr>
<tr>
<td>HUB654 Indonesian 5</td>
</tr>
</tbody>
</table>
HUB655  Indonesian 6  Yr 2/S 2
HUB656  Indonesian 7  Yr 3/S 1
HUB657  Indonesian 8  Yr 3/S 2

**JAPANESE**

1. **Students without** Year 12 Language qualifications in Japanese should undertake the following sequence of units:

   HUB660  Japanese 1  Yr 1/S 1
   HUB661  Japanese 2  Yr 1/S 2
   HUB662  Japanese 3  Yr 2/S 1
   HUB663  Japanese 4  Yr 2/S 2
   HUB664  Japanese 5  Yr 3/S 1
   HUB665  Japanese 6  Yr 3/S 2
   HUB666  Japanese 7
   HUB667  Japanese 8

2. **Students with** Year 12 Language qualifications or equivalent in Japanese should undertake the following sequence of units:

   HUB662  Japanese 3  Yr 1/S 1
   HUB663  Japanese 4  Yr 1/S 2
   HUB664  Japanese 5  Yr 2/S 1
   HUB665  Japanese 6  Yr 2/S 2
   HUB666  Japanese 7  Yr 3/S 1
   HUB667  Japanese 8  Yr 3/S 2

**GERMAN**

1. **Students without** Year 12 Language qualifications should undertake the following sequence of units:

   HUB735  German 1  Yr 1/S 1
   HUB736  German 2  Yr 1/S 2
   HUB737  German 3  Yr 2/S 1
   HUB738  German 4  Yr 2/S 2
   HUB739  German 5  Yr 3/S 1
   HUB740  German 6  Yr 3/S 2
   HUB741  German 7
   HUB742  German 8

2. **Students with** Year 12 Language qualifications or equivalent in German should undertake the following sequence of units:

   HUB737  German 3  Yr 1/S 1
   HUB738  German 4  Yr 1/S 2
   HUB739  German 5  Yr 2/S 1
   HUB740  German 6  Yr 2/S 2
   HUB741  German 7  Yr 3/S 1
   HUB742  German 8  Yr 3/S 2

**EXTENDED MAJOR FOR THE MAJOR IN INTERNATIONAL BUSINESS**

Students undertaking marketing units as part of the extended major should check which units require MIB217 Marketing Management as a prerequisite.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIB212</td>
<td>Industry &amp; Regional Analysis</td>
<td>12</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>MIB314</td>
<td>Strategic Business Analysis</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>MIB213</td>
<td>International Marketing</td>
<td>12</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>MIB210</td>
<td>Export Management</td>
<td>12</td>
<td>3</td>
<td>1</td>
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</tbody>
</table>

**plus one of the following groups of three industry or area focused options:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIB200</td>
<td>Asian Business Development</td>
<td>12</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>MIB205</td>
<td>Cross Cultural Communication &amp; Negotiation</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>MIB317</td>
<td>Contemporary Business in Asia</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Unit Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Level</td>
<td>Year</td>
</tr>
<tr>
<td>-----------</td>
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</tr>
<tr>
<td>MIB205</td>
<td>Cross Cultural Communication &amp; Negotiation</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>MIB208</td>
<td>European Business Development</td>
<td>12</td>
<td>3</td>
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</tr>
<tr>
<td>MIB300</td>
<td>Contemporary Business in Europe</td>
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<td>3</td>
<td>2</td>
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<tr>
<td>MIB205</td>
<td>Cross Cultural Communication &amp; Negotiation</td>
<td>12</td>
<td>3</td>
<td>2</td>
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<tr>
<td>MIB219</td>
<td>North American Business Development</td>
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<td>MIB301</td>
<td>Contemporary Business in North America</td>
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<td>3</td>
<td>2</td>
</tr>
<tr>
<td>MIB225</td>
<td>Tourism</td>
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<td>MIB226</td>
<td>Tourism Marketing</td>
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<td>3</td>
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</tr>
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<td>MIB316</td>
<td>Tourism Development</td>
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<td>2</td>
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<td>MIB311</td>
<td>Services Marketing</td>
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<td>MIB221</td>
<td>Retail Industry</td>
<td>12</td>
<td>3</td>
<td>19</td>
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<td>MIB310</td>
<td>Retail Marketing</td>
<td>12</td>
<td>3</td>
<td>19</td>
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<tr>
<td>EFB217</td>
<td>Transport &amp; Communications Economics</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MIB215</td>
<td>Marketing Logistics</td>
<td>12</td>
<td>3</td>
<td>119</td>
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<td>MIB303</td>
<td>International Logistics</td>
<td>12</td>
<td>3</td>
<td>219</td>
</tr>
<tr>
<td>MIB222</td>
<td>Sport &amp; Recreation Industries</td>
<td>12</td>
<td>3</td>
<td>119</td>
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<tr>
<td>MIB214</td>
<td>Management of Sport &amp; Recreation</td>
<td>12</td>
<td>3</td>
<td>219</td>
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<tr>
<td>MIB218</td>
<td>Marketing Sport and Recreation</td>
<td>12</td>
<td>3</td>
<td>220</td>
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<tr>
<td>MIB223</td>
<td>Technology &amp; International Business</td>
<td>12</td>
<td>3</td>
<td>119</td>
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<td>MIB207</td>
<td>Economics of Information</td>
<td>12</td>
<td>3</td>
<td>219</td>
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<tr>
<td>MIB224</td>
<td>Technology &amp; Marketing</td>
<td>12</td>
<td>3</td>
<td>219</td>
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<tr>
<td>MIB307</td>
<td>Product Innovation and Market Development</td>
<td>12</td>
<td>3</td>
<td>2</td>
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<td>MIB302</td>
<td>Cultural Industries Analysis</td>
<td>12</td>
<td>3</td>
<td>119</td>
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<td>MIB209</td>
<td>Events Marketing</td>
<td>12</td>
<td>3</td>
<td>219</td>
</tr>
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<td>MIB226</td>
<td>Tourism Marketing</td>
<td>12</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

**Management Major (MAN)**

**Professional Recognition**

This major satisfies the academic requirements for membership of the Australian Institute of Management. Graduates who complement their Management Major with an Industrial Relations Specialisation are eligible to join the Industrial Relations Society and the Australian Human Resources Institute.

The Royal Institute of Public Administration Australia acknowledges the appropriateness of the Public Sector Management specialisation for the study of Public Sector Management. Subject to the choice of suitable elective units, the Public Sector Management specialisation satisfies requirements for membership of the Australian Institute of Management (AIM).

**HONOURS YEAR (OPTIONAL)**

Refer to the course outline of BS63 for details.

** MANAGEMENT MAJOR – Full-Time Course Structure**

**Year 1, Semester 1**

- BSB115 Management, People & Organisations
- BSB114 Government, Business & Society
- BSB117 Professional Communication & Negotiation
- BSB112 Business Technology & Information

**Year 1, Semester 2**

- BSB116 Marketing & International Business
- BSB113 Economics
- MGB207 Managing Human Resources
- MGB211 Organisational Behaviour

19 These units will be offered in odd numbered years commencing with 1997.

20 These units will be offered in even numbered years commencing with 1998.
Year 2, Semester 1
BSB110  Accounting
MGB100  Methods & Analysis
MGB210  Operations, Production & Service Management
Elective unit

Year 2, Semester 2
BSB111  Business Ethics
Double Major/Extended Major/Specialisation unit
Double Major/Extended Major/Specialisation unit
Double Major/Extended Major/Specialisation unit

Year 3, Semester 1
MGB303  Entrepreneurship
Double Major/Extended Major/Specialisation unit
Double Major/Extended Major/Specialisation unit
Elective unit

Year 3, Semester 2
MGB309  Strategic Management
Double Major/Extended Major/Specialisation unit
Elective unit

Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.

MANAGEMENT MAJOR – Part-Time Course Structure

Year 1, Semester 1
BSB114  Government, Business & Society
BSB115  Management, People & Organisations

Year 1, Semester 2
BSB113  Economics
BSB116  Marketing & International Business

Year 2, Semester 1
BSB117  Professional Communication & Negotiation
BSB112  Business Technology & Information

Year 2, Semester 2
MGB207  Managing Human Resources
MGB211  Organisational Behaviour

Year 3, Semester 1
BSB110  Accounting
MGB100  Methods & Analysis

Year 3, Semester 2
BSB111  Business Ethics
Double Major/Extended Major/Specialisation unit

Year 4, Semester 1
MGB210  Operations, Production & Service Management
Elective unit

Year 4, Semester 2
Double Major/Extended Major/Specialisation unit
Double Major/Extended Major/Specialisation unit

Year 5, Semester 1
Double Major/Extended Major/Specialisation unit
Double Major/Extended Major/Specialisation unit

Year 5, Semester 2
Double Major/Extended Major/Specialisation unit
Elective unit
Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.

EXTENDED MAJORS FOR THE MAJOR IN MANAGEMENT

<table>
<thead>
<tr>
<th>Management (Full-time) (MNX)</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester Offered</th>
</tr>
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<tbody>
<tr>
<td>MGB203  Government-Management Interface</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 2</td>
</tr>
<tr>
<td>MGB206  Management &amp; Organisation Theory</td>
<td>12</td>
<td>3</td>
<td>Yr 2/S 2</td>
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<tr>
<td>plus two of the following:</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>MGB216  Technology Management</td>
<td>12</td>
<td>3</td>
<td>Yr 2/S 2</td>
</tr>
<tr>
<td>MGB218  Venture Skills</td>
<td>12</td>
<td>3</td>
<td>Yr 2/S 2</td>
</tr>
<tr>
<td>MGB311  Managing Change</td>
<td>12</td>
<td>3</td>
<td>Yr 2/S 2</td>
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<tr>
<td>plus two of the following:</td>
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</tr>
<tr>
<td>BSB300  Management, The Firm &amp; International Business</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 1</td>
</tr>
<tr>
<td>MGB319  Quality Management</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 1</td>
</tr>
<tr>
<td>MGB323  Small Business Management</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 1</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Management (Part-time)</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester Offered</th>
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<tbody>
<tr>
<td>MGB203  Government-Management Interface</td>
<td>12</td>
<td>3</td>
<td>Yr 5/S 2</td>
</tr>
<tr>
<td>MGB206  Management &amp; Organisation Theory</td>
<td>12</td>
<td>3</td>
<td>Yr 3/S 2</td>
</tr>
<tr>
<td>plus two of the following:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGB216  Technology Management</td>
<td>12</td>
<td>3</td>
<td>Yr 4/S 2</td>
</tr>
<tr>
<td>MGB218  Venture Skills</td>
<td>12</td>
<td>3</td>
<td>Yr 4/S 2</td>
</tr>
<tr>
<td>MGB311  Managing Change</td>
<td>12</td>
<td>3</td>
<td>Yr 4/S 2</td>
</tr>
<tr>
<td>plus two of the following:</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>BSB300  Management, The Firm &amp; International Business</td>
<td>12</td>
<td>3</td>
<td>Yr 5/S 1</td>
</tr>
<tr>
<td>MGB319  Quality Management</td>
<td>12</td>
<td>3</td>
<td>Yr 5/S 1</td>
</tr>
<tr>
<td>MGB323  Small Business Management</td>
<td>12</td>
<td>3</td>
<td>Yr 5/S 1</td>
</tr>
</tbody>
</table>

Marketing Major (MKG)

Professional Recognition
Students of the Marketing Major may meet the requirements for membership of a number of professional bodies. These include the Australian Marketing Institute, the Marketing Research Society of Australia, the Australian Institute of Management, the American Marketing Association and the Australian Institute of Export. Details of membership can be obtained from the Major Coordinator.

HONOURS YEAR (OPTIONAL)
Refer to the course outline of BS63 for details.

MARKETING MAJOR – Full-Time Course Structure

Year 1, Semester 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>BSB114</td>
<td>Government, Business &amp; Society</td>
</tr>
<tr>
<td>BSB115</td>
<td>Management, People &amp; Organisations</td>
</tr>
<tr>
<td>BSB116</td>
<td>Marketing &amp; International Business</td>
</tr>
<tr>
<td>BSB117</td>
<td>Professional Communication &amp; Negotiation</td>
</tr>
</tbody>
</table>

Year 1, Semester 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>BSB112</td>
<td>Business Technology &amp; Information</td>
</tr>
<tr>
<td>BSB113</td>
<td>Economics</td>
</tr>
</tbody>
</table>
Students must take Faculty Core Units at first attempt, in the semester outlined in the structure of their chosen Major.

MARKETING MAJOR – Part-Time Course Structure

**Year 1, Semester 1**
BSB113 Economics
BSB116 Marketing & International Business

**Year 1, Semester 2**
BSB105 Accounting
BSB115 Management, People & Organisations

**Year 2, Semester 1**
BSB112 Business Technology & Information
BSB114 Government, Business & Society

**Year 2, Semester 2**
EFB101 Data Analysis for Business
MIB217 Marketing Management

**Year 3, Semester 1**
MIB204 Consumer Behaviour
Double Major/Extended Major/Specialisation unit

**Year 3, Semester 2**
BSB111 Business Ethics
Double Major/Extended Major/Specialisation unit

**Year 4, Semester 1**
BSB117 Professional Communication & Negotiation
Double Major/Extended Major/Specialisation unit

**Year 4, Semester 2**
MIB213 International Marketing
Double Major/Extended Major/Specialisation unit

**Year 5, Semester 1**
Double Major/Extended Major/Specialisation unit
Double Major/Extended Major/Specialisation unit

**Year 5, Semester 2**
Elective unit
Elective unit
EXTENDED MAJORS FOR THE MAJOR IN MARKETING

Marketing (Full-time/Part-time) (MKX)

Students may take any six of the following units, provided that at least two of the six units are level 3 units denoted by 3 as the first numeric number in the unit code and that they have the necessary prerequisites. Unless indicated otherwise units will be offered each year in the semester indicated. Students are advised to contact the School of Marketing and International Business for further information on appropriate groupings of units.

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester Offered</th>
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<tbody>
<tr>
<td>MIB209 Events Marketing</td>
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<tr>
<td>MIB210 Export Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MIB215 Marketing Logistics</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MIB216 Marketing Decision Making</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MIB218 Marketing Sport and Recreation</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MIB220 Organisational Markets (Business to Business Marketing)</td>
<td>12</td>
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<tr>
<td>MIB224 Technology &amp; Marketing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MIB226 Tourism Marketing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MIB303 International Logistics</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MIB307 Product Innovation &amp; Market Development</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MIB308 Professional Marketing Practice</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MIB309 Promotional Strategy</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MIB310 Retail Marketing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MIB311 Services Marketing</td>
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</tbody>
</table>

FACULTY OF BUSINESS CONCENTRATIONS FOR NON-BUSINESS STUDENTS

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Semester Offered</th>
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<tbody>
<tr>
<td>Accounting</td>
<td>12</td>
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</tr>
<tr>
<td>AYB121 Financial Accounting</td>
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</tr>
<tr>
<td>AYB220 Company Accounting</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>AYB221 Computerised Accounting Systems</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>AYB225 Management Accounting I</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>BSB110 Accounting</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>plus one of the following:</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>AYB311 Financial Accounting Theory</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>AYB313 Government Accounting</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AYB321 Management Accounting Theory</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>Advertising</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB117 Professional Communication &amp; Negotiation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>COB216 Theoretical Perspectives on Communication</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>COB217 Writing for the Communication Professions</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>COB306 Advertising Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>COB308 Advertising Theory &amp; Practice</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<sup>16</sup> Indicates part-time/evening mode of offer for these Communication units.

<sup>17</sup> This unit offering is subject to change, depending on enrolment numbers.

<sup>19</sup> These units will be offered in odd numbered years commencing with 1997.

<sup>20</sup> These units will be offered in even numbered years commencing with 1998.
plus one of the following:

- COB304 Advertising Copywriting 12 3 1, 2
- COB317 Media Planning 12 3 1, 2

**Analytical Techniques for Business**

- EFB101 Data Analysis for Business 12 3 1, 2
- EFB200 Applied Regression Analysis 12 3 2
- EFB203 Business Forecasting 12 3 1
- EFB213 Introduction to Analytical Techniques for Business 12 3 1
- EFB304 Advanced Econometric Techniques 12 3 2

plus one approved Economics and Finance Core or Elective unit (subject to prerequisites and approval of Economics Major Coordinator).

**Banking and Finance**

- BSB110 Accounting 12 4 1, 2
- BSB113 Economics 12 3 1, 2
- EFB201 Australian Financial Markets 12 3 1, 2
- EFB210 Finance I 12 3 1, 2
- EFB307 Finance II 12 3 1, 2

plus one approved Finance unit.

**Business Law**

- AYB120 Business Law 12 3 1, 2
- AYB223 Law of Business Associations 12 3 1, 2
- AYB325 Taxation Law 12 3 1, 2
- BSB114 Government, Business & Society 12 3 1, 2

plus two of the following:

- AYB305 Company Law & Practice 12 3 1, 2
- AYB312 Financial Institutions Law 12 3 1
- AYB315 Industrial Law 12 3 1 or 2
- AYB317 International Business Law 12 3 2
- AYB328 Taxation Law II 12 3 1 or 2

**Economics**

- BSB113 Economics 12 3 1, 2
- EFB101 Data Analysis for Business 12 3 1, 2
- EFB102 Economics II 12 3 2
- EFB202 Business Cycles & Economic Growth 12 3 1
- EFB211 Firms, Markets & Resources 12 3 1

plus one approved level 2 or level 3 Economics unit.

**Human Resource Management**

- BSB115 Management, People and Organisations 12 3 1, 2
- MGB207 Managing Human Resources 12 3 1, 2
- MGB211 Organisational Behaviour 12 3 1, 2
- MGB328 Work & Performance 12 3 1

plus two approved HRM Units

**Industrial Relations**

- BSB115 Management, People and Organisations 12 3 1, 2
- MGB207 Managing Human Resources 12 3 1, 2
- MGB211 Organisational Behaviour 12 3 1, 2

plus three of the following:

- MGB201 Employment Regulation and Administration 12 3 1
- MGB202 Equity at Work 12 3 2
- MGB204 Industrial Relations 12 3 2
- MGB209 Occupational Health and Safety Management 12 3 1

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16 Indicates part-time/evening mode of offer for these Communication units.

17 This unit offering is subject to change, depending on enrolment numbers.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Offer Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGB219</td>
<td>Work and Society</td>
<td>12 3 1</td>
</tr>
<tr>
<td>MGB301</td>
<td>Advocacy</td>
<td>12 3 2</td>
</tr>
<tr>
<td>MGB308</td>
<td>International Industrial Relations</td>
<td>12 3 2</td>
</tr>
<tr>
<td>MGB312</td>
<td>Negotiation &amp; Collective Bargaining</td>
<td>12 3 1</td>
</tr>
<tr>
<td>MGB327</td>
<td>Wages &amp; Employment</td>
<td>12 3 1</td>
</tr>
<tr>
<td>MGB329</td>
<td>Workplace Industrial Relations</td>
<td>12 3 2</td>
</tr>
<tr>
<td></td>
<td><strong>Management (Option 1)</strong></td>
<td></td>
</tr>
<tr>
<td>BSB115</td>
<td>Management, People and Organisations</td>
<td>12 3 1, 2</td>
</tr>
<tr>
<td>MGB206</td>
<td>Management and Organisation Theory</td>
<td>12 3 2</td>
</tr>
<tr>
<td>MGB207</td>
<td>Managing Human Resources</td>
<td>12 3 1, 2</td>
</tr>
<tr>
<td>MGB210</td>
<td>Operations, Production and Service Management</td>
<td>12 3 1</td>
</tr>
<tr>
<td>MGB211</td>
<td>Organisational Behaviour</td>
<td>12 3 1, 2</td>
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<tr>
<td></td>
<td><strong>Management (Option 2)</strong></td>
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<tr>
<td>BSB110</td>
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<td>BSB115</td>
<td>Management, People and Organisations</td>
<td>12 3 1, 2</td>
</tr>
<tr>
<td>MGB207</td>
<td>Managing Human Resources</td>
<td>12 3 1, 2</td>
</tr>
<tr>
<td>MGB211</td>
<td>Organisational Behaviour</td>
<td>12 3 1, 2</td>
</tr>
<tr>
<td>MGB303</td>
<td>Entrepreneurship</td>
<td>12 3 1</td>
</tr>
<tr>
<td>MGB309</td>
<td>Strategic Management</td>
<td>12 3 2</td>
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<tr>
<td></td>
<td><strong>Marketing</strong></td>
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</tr>
<tr>
<td>BSB116</td>
<td>Marketing &amp; International Business</td>
<td>12 3 1, 2</td>
</tr>
<tr>
<td>MIB204</td>
<td>Consumer Behaviour</td>
<td>12 3 1</td>
</tr>
<tr>
<td>MIB213</td>
<td>International Marketing</td>
<td>12 3 2</td>
</tr>
<tr>
<td>MIB217</td>
<td>Marketing Management</td>
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</tr>
<tr>
<td>MIB315</td>
<td>Strategic Marketing</td>
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<td><strong>Organisational Communication</strong></td>
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</tr>
<tr>
<td>BSB117</td>
<td>Professional Communication &amp; Organisation</td>
<td>12 3 1, 2</td>
</tr>
<tr>
<td>COB216</td>
<td>Theoretical Perspectives on Communication</td>
<td>12 3 1, 2</td>
</tr>
<tr>
<td>COB204</td>
<td>Communication Technology for Organisations</td>
<td>12 3 1, 2</td>
</tr>
<tr>
<td>COB318</td>
<td>Organisational Communication</td>
<td>12 3 1, 2</td>
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<td></td>
<td><strong>Organisational Futures</strong></td>
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</tr>
<tr>
<td>BSB115</td>
<td>Management, People and Organisations</td>
<td>12 3 1, 2</td>
</tr>
<tr>
<td>MGB207</td>
<td>Managing Human Resources</td>
<td>12 3 1, 2</td>
</tr>
<tr>
<td>MGB211</td>
<td>Organisational Behaviour</td>
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</tr>
<tr>
<td>MGB212</td>
<td>Perspectives on Organisation</td>
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<tr>
<td>BSB115</td>
<td>Management, People and Organisations</td>
<td>12 3 1, 2</td>
</tr>
<tr>
<td>MGB207</td>
<td>Managing Human Resources</td>
<td>12 3 1, 2</td>
</tr>
<tr>
<td>MGB211</td>
<td>Organisational Behaviour</td>
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</tr>
<tr>
<td>MGB212</td>
<td>Perspectives on Organisation</td>
<td>12 3 1</td>
</tr>
<tr>
<td>MGB302</td>
<td>Cooperative Organisation</td>
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<tr>
<td>MGB313</td>
<td>Organisational Change &amp; Development</td>
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<tr>
<td>MGB314</td>
<td>Organisational Consulting &amp; Counselling</td>
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<tr>
<td>MGB324</td>
<td>The Virtual Organisation</td>
<td>12 3 2</td>
</tr>
<tr>
<td>MGB326</td>
<td>Understanding Organisations</td>
<td>12 3 2</td>
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</table>

16 Indicates part-time/evening mode of offer for these Communication units.
**Public Relations**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Study Mode</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB117</td>
<td>Professional Communication &amp; Negotiation</td>
<td></td>
<td>1, 2</td>
</tr>
<tr>
<td>COB216</td>
<td>Theoretical Perspectives on Communication</td>
<td></td>
<td>1, 2, 16</td>
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<tr>
<td>COB217</td>
<td>Writing for the Communication Professions</td>
<td></td>
<td>1, 2</td>
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<tr>
<td>COB325</td>
<td>Public Relations Theory &amp; Practice</td>
<td></td>
<td>1, 2, 16</td>
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<tr>
<td>COB329</td>
<td>Publicity Methods</td>
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<td>1, 2</td>
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plus one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Study Mode</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>COB324</td>
<td>Public Relations Issues &amp; Strategic Planning</td>
<td></td>
<td>1, 2, 16</td>
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<tr>
<td>COB327</td>
<td>Publication Management</td>
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**Public Sector Management**

<table>
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<th>Course Title</th>
<th>Study Mode</th>
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<tbody>
<tr>
<td>BSB114</td>
<td>Government, Business and Society</td>
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<td>1, 2</td>
</tr>
<tr>
<td>MGB205</td>
<td>Machinery of Government</td>
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<td>1, 2</td>
</tr>
<tr>
<td>MGB207</td>
<td>Managing Human Resources</td>
<td></td>
<td>1, 2</td>
</tr>
<tr>
<td>MGB211</td>
<td>Organisational Behaviour</td>
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<td>1, 2</td>
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plus two of the following:

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Study Mode</th>
<th>Credit Points</th>
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<td>Government-Management Interface</td>
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<tr>
<td>MGB213</td>
<td>Public Sector Management</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>MGB316</td>
<td>Policy Implementation &amp; Evaluation</td>
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<tr>
<td>MGB317</td>
<td>Political &amp; Administrative Analysis</td>
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<tr>
<td>MGB318</td>
<td>Public Policy</td>
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**Small and Medium Enterprise Management**

<table>
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<th>Course Title</th>
<th>Study Mode</th>
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<tbody>
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<td>BSB110</td>
<td>Accounting</td>
<td></td>
<td>1, 2</td>
</tr>
<tr>
<td>BSB115</td>
<td>Management, People and Organisations</td>
<td></td>
<td>1, 2</td>
</tr>
<tr>
<td>MGB207</td>
<td>Managing Human Resources</td>
<td></td>
<td>1, 2</td>
</tr>
<tr>
<td>MGB218</td>
<td>Venture Skills</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>MGB303</td>
<td>Entrepreneurship</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>MGB323</td>
<td>Small Business Management</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

16 Indicates part-time/evening mode of offer for these Communication units.
COURSES

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COURSE STRUCTURES

Doctor of Education (ED11)

Location: Kelvin Grove campus

Course Duration: Minimum of 2 years full-time or 3.5 years part-time for holders of a Masters degree or equivalent. Minimum of 2.5 years full-time or 4.5 years part-time for those without a Masters degree.

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor John Clarke

Entry requirements
Candidates will be admitted to the EdD who:

(i) hold a four-year Education degree, or its equivalent, with First Class Honours or Honours IIA, or

(ii) hold a Masters degree in Education or in another field relevant to the EdD

and have two years’ practice in a position of professional responsibility in education or a closely related field.

Provisional Enrolment
Students with lesser academic qualifications but with exemplary professional experience may be given provisional enrolment on the approval of the Dean of Education.

(i) A candidate so admitted shall be required to complete the four designated qualifying units at credit level (grade of 5) or better.

(ii) A candidate who completes course units at a satisfactory level during the period of provisional enrolment will be permitted to count these units towards the degree.

(iii) Unless the Faculty Academic Board accepts that exceptional circumstances justify extension of provisional status, it must be cleared within one calendar year from enrolment in the course. Such clearance will require submission of a positive recommendation by the Course Coordinator for approval by the Faculty Academic Board. The maximum period of extension of provisional candidature shall be one year.

(iv) A provisional candidate who fails to achieve a credit level in any qualifying or coursework units or fails to make satisfactory progress shall have their candidature terminated or be required to show cause to the Faculty Academic Board through the Course Coordinator as to why their candidature should not be terminated.

(v) A candidate whose provisional candidature is terminated may, after a period of two years, be permitted to apply for re-admission as a provisional candidate.

Procedure for Enrolment

(i) Before submitting an application for enrolment, a potential candidate shall consult the Course Coordinator who will assist in the preparation of the appropriate application form concerning eligibility and special interests.

(ii) A person seeking admission to the course shall apply on the appropriate application forms through Student Administration. The completed application forms should be accompanied by any specified documentation. These will include a proposal for a course of study and research to be pursued for the purpose of obtaining the degree and other requirements as specified in the form. A person relying on qualifications from another institution of higher education shall furnish with their application evidence of such qualifications. After acknowledgement and recording of basic information by Student Administration, the application will be forwarded for consideration to the Course Coordinator.

(iii) The Course Coordinator will forward recommendations on applications to the Dean for approval before forwarding official advice to all applicants on the outcome of their applications through Student Administration.
Course of Study

□ Length

(i) Candidates for the degree of Doctor of Education will normally be required to complete their course in at least two years of full-time study or 3.5 years of part-time study.

(ii) Without the permission of the Faculty Academic Board, no full-time candidate for the degree of EdD shall submit a thesis for examination more than 24 months from the date on which registration in the program was granted. The corresponding period in the case of a part-time candidate shall be 42 months.

(iii) Where a candidate wishes to change from full-time to part-time registration, or vice versa, application must be made in writing to the Faculty Academic Board. All such applications must specify the revised date of expected completion.

(iv) Where application is made for permission to extend the period within which the candidate may submit a thesis for examination, details of the candidate’s progress shall be presented to the Faculty Academic Board, together with the reasons for the delay in completing the course and the expected date of completion. Where the Committee agrees to an extension, it may set a limit to the maximum period of registration in the EdD program.

□ Credit Points

A candidate for the Doctor of Education award will obtain a total of 72 credit points in coursework, and 216 credit points in the preparation and presentation of a thesis.

Studies in the course of the award will consist of two stages involving specified coursework and a thesis. Satisfactory performance in Stage 1 will be necessary before preparation of the thesis can commence.

Course Structure

□ Stage 1: Coursework

The 72 credit points of coursework in Stage 1 will consist of:

(i) four 12 credit point units taken with students in the coursework Master of Education course, and

(ii) one 24 credit point semester-long unit (EDR703 Interdisciplinary Education Studies [Advanced Seminars]).

Note: Students entering the course with an MEd degree (or equivalent) will be granted exemption from the four 12 credit point units.

□ Stage 2: Research

These 216 credit points are the thesis component of the award which contains the following steps:

Thesis Preparation

During the preparation of the thesis, candidates will be required to demonstrate an understanding of the research process. This understanding will include a capacity to critique research literature, to assess research designs and evaluate the appropriateness of research methodologies. This preparation step will involve a 20 000 word maximum.

Thesis Confirmation of Candidature

All candidates must prepare and orally present a research proposal. This oral presentation must be accompanied by a 10 000 word paper.

Thesis Implementation

All candidates must design, implement and orally defend a thesis of 50 000 words minimum or equivalent.

Thesis Submission

Completion and presentation of a thesis or alternative to the supervisory team for approval; production of the thesis in a suitable form for examination.

Transfer of Credit

Application for credit will be considered by the Course Coordinator. Where candidates possess postgraduate qualifications in related and appropriate academic areas, credit up to a maximum of 72 credit points may be granted towards coursework.
**Thesis Supervision**

(i) Criteria for selecting supervisors for Doctor of Education students are: domain expertise, qualifications and supervisory experience. Normally the Principal Supervisor will be a member of the Faculty of Education.

(ii) Consistent with QUT Rules, Doctor of Education students must have a Principal Supervisor and at least an Associate Supervisor.

(iii) No staff member will normally be permitted to supervise, either as a principal or an associate supervisor, more than six full-time higher degree students concurrently.

(iv) Where appropriate an associate supervisor may be appointed from industry.

(v) Students may obtain from the Course Coordinator, Heads of School and Directors of Centres and Research Concentrations information regarding procedures for selection of supervisors.

(vi) Supervision is discussed with Heads of School, Directors of Centres or Research Concentrations and with the Course Coordinator.

(vii) The Course Coordinator, after agreement with the relevant Heads of School(s) and Directors of Research Centres/Concentrations recommends the names of supervisors for specific students to the Higher Degrees Advisory Committee which, in turn, recommends these supervisors to the Faculty Academic Board.

(viii) The names of supported supervisors will be transmitted for University approval to the Research Management Committee.

**Progression and Unsatisfactory Progress**

**Progression**

In each year of candidature the academic progress of each candidate shall be reviewed by the Course Coordinator. Satisfactory progress for provisional candidates will consist of passing of qualifying requirements or course units at appropriate academic levels.

All candidates are required to satisfactorily complete confirmation of candidature prior to proceeding to the thesis implementation stage.

Once a student has been confirmed, six monthly reports are required from the principal supervisor twice a year. The report shall be signed by the candidate and the supervisor and submitted through the Head of School and the Director of Research Centre/Concentration to the Course Coordinator for reviewing. The report is forwarded through the Higher Degrees Advisory Committee to the Research Management Committee.

**Unsatisfactory Progress (under review)**

When progress is deemed unsatisfactory by the Course Coordinator or supervisor, the Course Coordinator will write to the candidate to request an indication of what action has been or will be taken to ensure progress is satisfactory for the next report. When two consecutive reports indicate unsatisfactory progress, the Dean may require the candidate to show cause against exclusion.

A student excluded under these rules has a right of appeal to the Academic Appeals Committee. The appeal will be referred to the Faculty Academic Board and will be considered by the Faculty Academic Performance Committee.

(i) With respect to coursework studies, candidates who have not attained a credit level (grade of 5 or better) or who have otherwise progressed unsatisfactorily may have their candidature terminated on the recommendation of the Higher Degrees Advisory Committee.

(ii) With respect to the thesis project, progress which is considered clearly unsatisfactory by both the Supervisor and the Course Coordinator may lead to a recommendation by them to the Higher Degrees Advisory Committee that the candidate be excluded from the course.

(iii) Before the Higher Degrees Advisory Committee recommends termination of candidature, the candidate shall be given the opportunity to show cause why this action should not be taken.

**Confirmation of Candidature**

Within 18 months of enrolment (or two years part-time) the student in consultation with the supervisor should present for confirmation. The Confirmation of Candidature Review Panel of the Higher Degrees
Advisory Committee will review the candidate’s progress and course of study in the form of a formal seminar presentation, before candidature in the Doctor of Education program can be confirmed.

**Examination of the Thesis**

**Submission of Thesis**

(i) After making revisions suggested in the oral presentation, candidates will submit to the Student Affairs Officer **four copies of the thesis**, bound in a temporary form as approved by Research Management Committee.

(ii) The thesis should be accompanied by a signed declaration which states that:

   (a) the candidate has complied with the ethics of experimentation as set out in the publication Guide to Thesis Presentation
   (b) the thesis is the candidate’s own work and that all other sources are correctly acknowledged
   (c) the thesis has not been submitted to another institution.

(iii) The thesis must contain a joint declaration signed by both the student and their supervisor stating that the thesis is ready for examination.

**Thesis Presentation and Examination**

This has two components, an oral and a written presentation to a Faculty of Education Panel designed to assist the candidate in a final revision of the thesis and to allow the panel to recommend if the thesis is ready for examination, and the formal examination by a University Examination Committee.

**Oral Presentation**

(i) An oral presentation of the thesis shall be made to a Faculty of Education Panel which consists of the Principal Supervisor (Chair), Course Coordinator, Director of the relevant Centre or Research Concentration (quorum 2).

(ii) The candidate’s principal supervisor, through the Centre of Research ‘Concentration Director, shall notify the Faculty Office on the relevant proforma at least four weeks in advance of the presentation. Faculty panel members must each receive a copy of the thesis in temporary binding four weeks in advance of the date set for the oral presentation. A copy of the thesis, bound in temporary cover, must also be provided to each attending member of the University Examination Committee.

(iii) Where the Higher Degrees Advisory Committee is satisfied that a candidate would be seriously disadvantaged if required to undergo an oral presentation, an alternate form of presentation may be approved.

(iv) The panel may suggest changes to the thesis or further work to be done and can recommend the thesis as being ready for examination.

**Formal Examination**

(i) Examiners are expected to return their assessment within 8 weeks to the Research Students Office. Candidates may be required to participate in an oral defence of their thesis but only at the request of the examiners.

(ii) Examiners should make one of the following recommendations:

   (a) Pass - implying that the thesis will be fully satisfactory except possibly for editorial changes
   (b) Resubmit - implying that the thesis will be fully acceptable when certain necessary corrections or modifications are made by the candidate and resubmitted to the examiners.
   (c) Fail - implying that the thesis is not of an acceptable standard.

(iii) In all cases the examiner should provide along with the official assessment form, a separate document indicating where corrections or modifications are required and as appropriate, provide any constructive criticism and comment helpful to the candidate.

(iv) If a recommendation to type (a) is accepted, the Faculty Academic Board will ask the Course Coordinator to make the examiners requirements available to the candidate while maintaining the anonymity of the examiners. The Faculty Academic Board will sign an official record indicating satisfaction of all thesis requirements when advised by the Course Coordinator that all required changes have been completed satisfactorily.
(v) If a recommendation of type (b) is accepted, the Faculty Academic Board will ask the Course Coordinator to ensure that the candidate is requested to resubmit the thesis with any necessary corrections or modifications. The revised thesis is forwarded to the examiners for assessment.

(vi) If a recommendation of type (c) is accepted, the normal implication is that the candidate will be excluded from the course. In exceptional circumstances, the Higher Degrees Advisory Committee may grant the candidate an opportunity to submit a substantially new thesis after a period of not less than six months.

Examiners may recommend that a candidate who has been examined for the degree of Doctor of Education be awarded the degree of Master, provided that the candidate meets or can meet the requirements of the Master’s program.

(vii) If the examiners cannot reach agreement, they shall submit separate reports and recommendations to the Higher Degrees Advisory Committee. The HDAC will refer the matter to the Examination Subcommittee of the HDAC which has been established to make recommendations on areas of disputation between examiners. The HDAC will then make form recommendation to the Faculty Academic Board. The Board may then (i) not recommend award of the degree, or (ii) accept a majority recommendation with or without the advice of a further external examiner.

(viii) The examiners must give the candidate guidance on the deficiencies identified by the first examination.

(ix) If a candidate is required to revise and resubmit a thesis, the examiners’ report will be made available to the candidate, the anonymity of the examiners being maintained.

(x) The Faculty Academic Board on recommendation from the HDAC may require that an additional external examiner be appointed for the re-examination.

(xi) Regulations applicable to examinations generally apply to the re-examination.

(xii) Examiners’ reports should be made available to the candidate on request. The names of examiners will be released to the student at this time if the examiners have indicated willingness to have their identities revealed to the candidate.

Admission to Degree
A candidate who:

(i) fulfils the requirements of these rules, and

(ii) whose work is of a standard that satisfies the Faculty Academic Board (after considering the results in all units and/or the reports of all examiners), and

(iii) has otherwise complied with the provisions of all statutes and other applicable rules

may be admitted to the degree of Doctor of Education.

- **Master of Education (ED13)**

  **Location:** Kelvin Grove campus

  **Course Duration:** 1 year full-time, 2 years part-time or external

  **Total Credit Points:** 96

  **Standard Credit Points/Full-Time Semester:** 48

  **Course Coordinator:** Associate Professor Bob Elliott

**Entry requirements**
Candidates will be admitted to the course who:

- hold an appropriate four-year Bachelor degree or equivalent at a standard acceptable to the Dean of the Faculty; or

- hold other qualifications acceptable to the Dean which should include at least one year’s experience in some branch of education, subject to the discretion of the Dean.

---

1 *Please note that not all electives are available by external study.*
All applicants must have a good command of the English Language.

Students who do not meet the entry requirements may be admitted on a provisional basis and be required to undertake preliminary coursework and reading as determined by the Course Coordinator. After satisfactory completion of the preliminary studies students will be admitted to full candidature.

**Provisional Enrolment**

In special circumstances and with the specific approval of the Dean, a person may be admitted to the Master of Education course on a provisional basis to complete qualifying units. The conditions which must be satisfied to meet the qualifying requirement must be detailed in writing by the Course Coordinator for the Dean’s approval.

(i) A candidate so admitted shall be required to complete any designated qualifying units at credit level (grade of 5) or better.

(ii) A candidate who completes course units at a satisfactory level during the period of provisional enrolment may be permitted to count these units towards the degree.

(iii) Unless the Faculty Academic Board accepts that exceptional circumstances justify extension of provisional status, it must be cleared within one calendar year from enrolment in the course. Such clearance will require submission of a positive recommendation by the Course Coordinator for approval by the Faculty Academic Board. The maximum period of extension of provisional candidature shall be one year.

(iv) A provisional candidate who fails to achieve a credit level in any qualifying unit(s) or a pass level in any coursework units or fails to make satisfactory progress shall have their candidature terminated or be required to show cause to the Higher Degrees Advisory Committee through the Coordinator of the relevant area of interest as to why their candidature should not be terminated.

(v) A candidate whose provisional candidature is terminated may, after a period of two years, be permitted to apply for re-enrolment as a provisional candidate.

**Procedure for Enrolment**

(i) Before submitting an application for enrolment, a potential candidate shall consult the Coordinator of the relevant Area of Interest of the Master of Education course concerning eligibility and special interests.

(ii) A person seeking admission to the Master of Education course shall apply on the appropriate forms through Student Administration. The completed application forms should be accompanied by any specified documentation. These will include a proposal for a course of study and research to be pursued for the purpose of obtaining the degree and other requirements as specified in particular areas of interest. A person relying on qualifications from another institution of higher education shall furnish with their application evidence of such qualifications. After acknowledgement and recording of basic information by Student Administration, an application will be forwarded for consideration by the Course Coordinator who may require the applicant to attend an interview.

(iii) The Course Coordinator will forward recommendations on applications to the Dean for approval before forwarding official advice to all applicants on the outcome of their applications through Student Administration.

**Course Structure**

Candidates are required to obtain a total of 96 credit points from studies in coursework units and/or from research studies.

There are two compulsory units (24 credit points) which must be taken by all students, preferably in the early stages of their course:

- EDN611 Understanding Educational Research 12
- Plus the designated core unit from the chosen area of interest 12

EDN611 Understanding Educational Research may not have to be completed by students who have completed equivalent studies either at QUT or other approved universities - instead they would be required to complete an additional unit from any one of the areas of interest in the Master of Education course.

In addition, students must complete at least two units (24 credit points) from one of the Areas of Interest. Areas of Interest that have been approved to date are:
The remaining 48 credit points may be obtained in a variety of ways as indicated by the following four pathway options:

Option 1: students undertake EDN612 Conducting Educational Research and the 36 Credit Point Dissertation, or
Option 2: students undertake two units from across the Areas of Interest and a 24 Credit Point Project, or
Option 3: students undertake three units from across the Areas of Interest and a 12 Credit Point Independent study, or
Option 4: students undertake four units from across the Areas of Interest.

It should be noted that not all Areas of Interest will be available through external study in the first instance. The diagram may help to clarify the various options available.

### Core Units

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDN611</td>
<td>Understanding Educational Research</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Plus the core unit indicated from the chosen area of interest</td>
<td>12</td>
</tr>
</tbody>
</table>

### Individually Supervised Units

Students should consult with the Course Coordinator for further information concerning enrolment in EDN603, EDN608 and EDN620.

**EDN620 Dissertation 36 credit points (3 stages)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDN620/1</td>
<td>Dissertation (Stage 1)</td>
<td>12/36</td>
</tr>
<tr>
<td>EDN620/2</td>
<td>Dissertation (Stage 2)</td>
<td>12/36</td>
</tr>
<tr>
<td>EDN620/3</td>
<td>Dissertation (Stage 3)</td>
<td>12/36</td>
</tr>
</tbody>
</table>

**EDN608 Project 24 credit points (2 stages)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDN608/1</td>
<td>Project (Stage 1)</td>
<td>12</td>
</tr>
<tr>
<td>EDN608/2</td>
<td>Project (Stage 2)</td>
<td>12</td>
</tr>
<tr>
<td>EDN603</td>
<td>Independent Study</td>
<td>12</td>
</tr>
<tr>
<td>EDN602</td>
<td>Advanced Seminars</td>
<td>12</td>
</tr>
<tr>
<td>EDN612</td>
<td>Conducting Educational Research</td>
<td>12</td>
</tr>
</tbody>
</table>

### Area of Interest Units

**LIST A: Adult and Workplace Education (ADW)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRN611</td>
<td>Adult &amp; Workplace Education: Principles &amp; Practices (Core)</td>
<td>12</td>
</tr>
<tr>
<td>PRN612</td>
<td>Legal Risk Management &amp; Workplace Education</td>
<td>12</td>
</tr>
<tr>
<td>PRN613</td>
<td>Strategic Workplace Education &amp; the Learning Organisation</td>
<td>12</td>
</tr>
<tr>
<td>LAN611</td>
<td>Adult &amp; Workplace Literacy &amp; Numeracy</td>
<td>12</td>
</tr>
<tr>
<td>LEN608</td>
<td>Foundations of Adult Learning &amp; Development</td>
<td>12</td>
</tr>
</tbody>
</table>

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2 In the case of this area of interest, only one unit (12 credit points) needs to be taken in addition to the core unit. Another unit should be taken from one of the other areas of interest.
Compulsory Component

TWO CORE UNITS

<table>
<thead>
<tr>
<th>Core unit from chosen area of interest</th>
<th>12 cp</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDN611 Understanding Educational Research</td>
<td>12 cp</td>
</tr>
</tbody>
</table>

TWO AREA OF INTEREST UNITS

<table>
<thead>
<tr>
<th>Unit 1</th>
<th>12 cp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit 2</td>
<td>12 cp</td>
</tr>
</tbody>
</table>

Alternate Pathways

- Conducting Educational Research
  - 12 cp

TWO UNITS FROM ACROSS THE AREAS OF INTEREST
  - 2 x 12 cp

THREE UNITS FROM ACROSS THE AREAS OF INTEREST
  - 3 x 12 cp

FOUR UNITS FROM ACROSS THE AREAS OF INTEREST
  - 4 x 12 cp

Dissertation
  - 36 cp

Project
  - 24 cp

Independent Study
  - 12 cp

(a) *Independent Study, Advanced Seminars* and *Advanced Research Unit* may be taken as part of an alternate pathway. Students should contact the Course Coordinator for further information about these units.

(b) One advanced level unit may also be selected as an elective from any Faculty within the University, subject to approval by the Course Coordinator.

(c) Those students capable of doing a larger component of research based on their GPA may consider transferring to the Master of Education (Research) course at any stage of their enrolment in the Master of Education course, in consultation with the Course Coordinator.

(d) Students enrolled in the Master of Education may take up to one unit from a relevant Graduate Diploma under the following conditions:

- The units are approved by the Course Coordinator of the Master of Education;
- The students undergo an extension of unit requirements at the Masters level as approved by the Course Coordinator;
- Students have not done a unit in the same area in another course.
**LIST B: Behaviour Management (BEM)**
- CPN613 School/Community Responses & Intervention 12
- LEN611 Educational Intervention for Challenging Behaviour in the Classroom 12
- LEN612 Behaviour Management: Programs & Planning 12
- PRN635 Issues in Classroom Management (Core) 12

**LIST C: Career Guidance (CAG)**
- LEN604 Psychoeducational Assessment 12
- LEN607 Career Education & Career Guidance (Core) 12
- LEN609 Career Theory 12
- LEN610 Career Counselling 12

**LIST D: Business Education and Training (BUE)**
- PRN625 Business Administration/Communications Education 12
- PRN626 Strategies for Business Educators & Trainers 12
- PRN627 Strategies in Accounting & Business Management Education 12
- PRN628 Trends & Issues in Business Education & Training (Core) 12
- PRN629 Marketing in Educational Contexts 12

**LIST E: Early Childhood Education (ECE)**
- EAN608 Constructions of Childhood, Child-rearing & Early Education (Core) 12
- EAN601 Early Childhood Teachers’ Knowledge in Action 12
- EAN602 Early Childhood Services & Policies 12
- EAN603 Development in Early Childhood Contexts 12
- EAN604 Young Children, Families & Community 12

**LIST F: Home Economics (HEC)**
- PUN623 Home Economics, the Family & the Politics of Feminism 12
- PUN625 Home Economics Philosophical Foundations (core) 12

**LIST G: Language and Literacy Education (LLE)**
- LAN609 Language, Literacies & Learning (Core) 12
- LAN611 Adult & Workplace Literacy & Numeracy 12
- LAN623 Investigating Language & Literacy Teaching & Learning 12
- LAN624 Literacy/ESL Programming & Assessment 12
- LAN625 New Literacies & Technologies 12

**LIST H: Leadership and Management (LEM)**
- CPN603 Changing Agendas in Leadership Education(Core) 12
- CPN604 Equity & Education Management Issues & Strategies 12
- CPN605 Organisational Cultures & Education Leadership 12
- CPN606 Educational Leadership, Power & Careers 12
- EAN605 Education Management Processes & Strategies 12
- EAN606 Managing Education Personnel 12

**LIST I: Learning Support and Inclusive Education (LSI)**
- LEN605 Learners with Special Needs: Programming for Inclusive Education (Core) 12
- LEN606 Remediating of Learning Difficulties 12
- CPN611 Policies & Practices for Inclusive Education 12
- EAN607 Consultation & Teamwork 12
- LEN611 Educational Intervention for Challenging Behaviour in the Classroom 12

**LIST J: Mathematics Education**
- MDN624 Curriculum Studies in Mathematics (core) 12
- MDN625 Psychology in Mathematics Education 12
- MDN626 Pedagogy in Mathematics Education 12
- MDN627 Student Assessment in Mathematics 12

**LIST K: Practice and Policy (PRA)**
- CPN607 Global Change, Diversity & Education 12
- CPN608 Gender & Education Policy 12
- CPN609 Major Issues in Policy Making 12
- CPN610 Youth, Sex & Culture 12
- CPN612 Teaching Practices & the Policy Context (core) 12
LIST L: Professional Growth and Curriculum Leadership (PSC)
PRN601 Curriculum Inquiry & Research (core) 12
PRN602 Professional Growth & Development 12
PRN603 Leading Change in Contemporary Professional Practice 12
PRN604 Achieving Quality in Educational Contexts 12
PRN605 Flexible Delivery: Pedagogical Issues & Imperatives 12

LIST M: School Guidance and Counselling (SGC)
LEN602 Advanced Educational Counselling (core) 12
(Prerequisite: LEB441 Educational Counselling)
LEN603 Educational Counselling Professional Practice 12
LEN604 Psychoeducational Assessment 12
LEN607 Career Education & Career Guidance 12

The Area of Interest School Guidance and Counselling within the Master of Education is accepted by both the Queensland Department of Education and the Brisbane Catholic Education Centre as a suitable formal employment qualification for applicants for School Counsellor and Guidance Officer positions in the context of other position requirements. Graduates from this program are recognised by the Queensland Guidance and Counselling Association, and together with experience requirements it enables them to be eligible for full membership of this professional body.

LIST N: Science Education (SCE)
MDN628 Curriculum Studies in Science Education (core) 12
MDN629 Reasoning in Science Education 12
MDN630 Learning & Teaching in Science Education 12
MDN631 Information-based Technologies in Science Education 12

LIST O: Social and Environmental Education (SEE)
CPN614 Socio-Cultural Contexts of Civics & Citizenship Education 12
PRN616 Critical Approaches in Social & Environmental Education (core) 12
PRN617 Environmental Education & Interpretation 12
PRN618 Curriculum Issues in Social & Environmental Education 12
PRN619 Issues in Environment Education & Interpretation 12
PRN620 Civics & Citizenship Education - Issues of Curriculum & Pedagogy 12

LIST P: Technology Education (TEE)
MDN619 Technologically Supported Teaching & Learning Environments 12
MDN633 Curriculum Studies in Technology Education (core) 12
MDN623 Communications Technology in Education 12
MDN632 Databases in an Educational Context 12
PRN605 Flexible Delivery: Pedagogical Issues & Imperatives 12

Students entering the strand unable to demonstrate a strong background in Technology Education are strongly advised to enrol in MDN632 and MDP537 Major Issues in Computer Education from the Graduate Diploma in Education (Computer Education), but at the Master’s level, before any other MDN technology units are attempted.

**Supervision**

Supervision in the Master of Education course consists of two components:

(i) the supervision of individualised coursework units, and

(ii) the supervision of a dissertation/project.

**Supervision of Individualised Units**

Certain coursework units in particular Areas of Interest involve individual candidates working with supervising lecturers on a one-to-one basis. Here, candidates have the opportunity to explore and negotiate with their lecturers to engage in integrated professional experiences that are closely linked to the candidates’ current professional needs. This interaction consists of a dialogue between candidate and lecturer to design an appropriate course of study for the particular units. Subsequently, they submit this plan of study to the Area of Interest Coordinator for approval.

**Supervision of a Dissertation/Project**

A dissertation must be submitted to conform with format, style and other guidelines as set out in the publication Guide to Thesis Presentation which is available from the Faculty of Education Office. For a
project, it is not essential for students to adhere to the University guidelines on dissertations, although these may be found helpful.

(a) For each candidate undertaking a dissertation/project a Supervisor must be appointed. An appropriate Supervisor or supervisory team should be identified early in the program when the dissertation/project topic is chosen. An appointment will be made by the Faculty Academic Board on the advice of the relevant Head of School and the Course Coordinator.

(b) Candidates should meet regularly with their Supervisor to discuss progress, submit drafts or progress reports or present seminars where appropriate at least each semester, and seek guidance as necessary.

(c) Supervisors should be readily available to consult with candidates, should provide scholarly support and constructive criticism, and should assist as appropriate with access to facilities and any relevant external agencies.

**Progression and Unsatisfactory Progress**

- **Progress**

  In each year of candidature the academic progress of each candidate shall be reviewed by the Course Coordinator. Satisfactory progress for provisional candidates will consist of passing of qualifying requirements or course units at appropriate exit levels. For candidates enrolled in the coursework degree, it will mean the successful completion of the relevant coursework units.

  Progress reports will be submitted at designated intervals, normally at least twice each year, to the Master of Education Course Coordination Committee.

- **Unsatisfactory Progress (under review)**

  (i) With respect to coursework studies, candidates who have failed two or more units or who have otherwise progressed unsatisfactorily, may have their candidature terminated on the recommendation of the Higher Degrees Advisory Committee.

  (ii) With respect to the dissertation/project, progress which is considered clearly unsatisfactory by both the Supervisor and the Area of Interest Coordinator may lead to a recommendation by them to the Higher Degrees Advisory Committee that the candidate be excluded from the course.

  (iii) Before the Higher Degrees Advisory Committee recommends termination of candidature, the candidate shall be given the opportunity to show cause why this action should not be taken.

**Examination of the Dissertation/Project**

- **Dissertation Submission**

  (i) After examiners have been nominated and approved, the candidate will submit to the Student Affairs Officer three copies of the dissertation bound in a temporary form (preferably spiral bound) for distribution to the approved examiners. Receipt of the dissertation by the Student Affairs Officer, on behalf of Faculty Academic Board, shall constitute submission of the candidate’s dissertation for examination.

  (ii) The dissertation should be accompanied by a signed declaration which states that:

    (a) the candidate has complied with the ethics of experimentation;

    (b) the dissertation is the candidate’s own work and that all other sources are correctly acknowledged;

    (c) the dissertation has not been submitted to another institution.

  (iii) The dissertation must contain a joint declaration signed by both the student and their supervisor stating that the dissertation is ready for examination.

- **Appointment of Examiners**

  At least one month prior to submission of the dissertation, the supervisor, in conjunction with the Head of School, should nominate in writing to the Course Coordinator at least two examiners who are prepared to examine the dissertation at the time required. It is the responsibility of the Supervisor to ascertain the availability and willingness of these examiners to comply with the University requirements.

  At least one of the examiners appointed will be external to the University, except in the case of the 24 credit point project where the examining committee consists of two examiners, approved by the Master of Education Course Coordination Committee, one of whom may be the supervising lecturer and one of whom may be external to the University, if this is seen to be of benefit to the student.
The Examination Committee consisting of at least two examiners (one of whom may be external to the University) will be appointed by the Faculty academic Board upon recommendation from the Higher Degrees Advisory Committee upon recommendation from the relevant Course Coordinator who will have consulted the Principal Supervisor.

**Examination Process**

(i) Examiners must receive copies of the dissertation in reasonable time to permit its thorough consideration and appraisal before the date by which assessments are required. Each examiner is required to submit a written assessment of the dissertation within eight weeks of its receipt.

(ii) These written assessments will be presented on official forms forwarded with the dissertation. These forms are available from the Faculty of Education Office and will deal with the general standard and quality of the work and not with specific detail. Examiners are expected to return their assessment within 8 weeks to the Faculty of Education Office. Each assessment is individual and confidential and should not be made available to other examiners. Each examiner should make one of the following recommendations:

(a) **Pass:**
   - Implying that the dissertation be accepted without modification and the degree be awarded;
   - Implying that the dissertation will be fully satisfactory except possibly for minor editorial changes;
   - Implying that the dissertation be accepted subject to major revisions, eg rewriting one of the sections, with or without additional work (changes must be made to the satisfaction of the Principal Supervisor or, if further work is required to develop additional evidence for the rewrite, the certification of the Head of School is required.)

(b) **Resubmit:** Implying that the dissertation will be fully acceptable when certain necessary corrections or modifications are made by the candidate and resubmitted to the examiners;

(c) **Fail:** Implying that the dissertation is not of an acceptable standard.

(iii) In the case of all of the above, an examiner should provide, along with the official assessment form, a separate document indicating where corrections or modifications are required and as, appropriate, providing any constructive criticism and comment helpful to the candidate. An examiner will refer to any notably original contributions which the candidate has made and comment on the scope for further research or postgraduate study.

(iv) The Student Affairs Officer will forward the set of examiners assessment forms and dissertation to the Course Coordinator.

In the case of (a) above the Course Coordinator will determine the examination outcome and will advise the Student Affairs Officer. The Student Affairs Officer will make the examiners requirements available to the candidate and supervisor while maintaining the anonymity of the examiners. When the student has made the required corrections, submitted three bound copies and the supervisor has certified that corrections have been satisfactorily made, the Faculty Academic Board will sign an official record indicating satisfaction of all dissertation requirements.

If a recommendation of type (b) is accepted, the Faculty Academic Board will ask the Course Coordinator to ensure that the candidate is requested to resubmit the dissertation with any necessary corrections or modifications. The revised dissertation is forwarded to the examiners for reassessment. The Chairperson, HDAC will refer the matter to the Examination Sub-Committee of the Higher Degrees Advisory Committee which has been established to make recommendations on areas of disputation between examiners. The Chairperson, Higher Degrees Advisory Committee will then make formal recommendation to the Faculty Academic Board. The Faculty Academic Board may confer and seek further advice from the Higher Degrees Advisory Committee before making a ruling. The Faculty Academic Board may then (i) not award the degree, or (ii) accept a majority recommendation with or without the advice of a further external examiner.

If a recommendation of type (c) is accepted, the normal implication is that the candidate will be excluded from the course. In exceptional circumstances, the Higher Degrees Advisory Committee may grant the candidate an opportunity to submit a substantially new dissertation after a period of not less than six months.
Re-examination of the Dissertation
(a) A candidate who fails to satisfy the Faculty Academic Board (upon recommendation of the Higher Degrees Advisory Committee) at the first attempt may, on the recommendations of the examiners and with the approval of the Faculty Academic Board, be re-examined not more than once. Application must be made to the Faculty Academic Board for approval of the re-examination arrangements.
(b) Re-examination shall take place within 12 months from the date on which the candidate is advised in writing of such re-examination. The Faculty Academic Board may, on application by the candidate and supported by the supervisor, approve an extension of this period.
(c) The examiners must give the candidate guidance on the deficiencies identified by the first examination.
(d) If a candidate is required to revise and resubmit a dissertation, the examiners’ reports will be made available to the candidate, the anonymity of the examiners being maintained.
(e) The Faculty Academic Board on recommendation from the HigherDegrees Advisory Committee may require that an additional external examiner be appointed for the re-examination.
(f) Regulations applicable to examinations generally apply to the re-examination.
(g) After the examination process is complete, the names of examiners may be released on request providing the examiner has indicated willingness to have his/her identity revealed to the candidate.

Admission to the Degree of Master of Education
Prior to admission to the award, a candidate must have at least three of the completed documents bound. Of these, one copy of the completed document must be submitted for inclusion in the University Library collection as follows:
- dissertation or project associated with a coursework specialisation where this constitutes at least 25% of the credit point total for the course.

The Supervisor has the authority to decide whether a project should be housed in the University library collection or the Centre or Concentration that the student is attached to.

Of the other two copies of the completed document, one is held in the Faculty Office and the other is presented to the principal supervisor.

A candidate who:
(a) fulfils the requirements of these rules; and
(b) whose work is of a standard that satisfies the Faculty Academic Board (after considering the results in all subjects and/or the reports of all examiners); and
(c) has otherwise complied with the provisions of all statutes and other applicable rules;
may be admitted to the degree of Master of Education.

Master of Education (Research) (ED12)

Location: Kelvin Grove campus
Course Duration: 1 year full-time, 2 years part-time
Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Dr Erica McWilliam

Entry requirements
A person may enrol as a candidate for the degree of Master of Education by research if that person holds:
(i) a four-year education-related degree with a grade point average of at least 5 (on a seven-point scale) or equivalent, with demonstrated potential for further study and evidence of professional standing, or
(ii) a graduate diploma in an education-related field with a grade point average of at least 5 (on a seven-point scale) or equivalent, with demonstrated potential for further study and evidence of professional standing, or
(iii) an Honours degree in an education-related field with a minimum of Honours IIA or IIB.

Applicants who do not have professional experience in an education-related field would normally be expected to demonstrate their potential for further study with a grade point average of 6 or better.

Applicants may be required to provide satisfactory formal evidence of proficiency in the English language.

- **Provisional Enrolment**
  In special circumstances and with the specific approval of the Dean, a person may be admitted to the Master of Education (Research) on a provisional basis. The conditions which must be satisfied to remove the provisional status must be detailed in writing by the Course Coordinator, endorsed by the Dean and placed on record by the Registrar.

  Provisional status will not normally extend beyond one year.

- **Procedure For Enrolment**
  Before submitting an application form to enter the course, a candidate should make contact with staff members who might act as supervisors for the research project. The application form requires the attachment of a preliminary research proposal and assistance from a potential supervisor or supervisors should be sought to prepare this preliminary proposal. The Course Coordinator will provide assistance by way of an introduction to the services provided by the Faculty in a manner which is sensitive to cross-cultural and gender identities of potential candidates. The Course Coordinator will provide applicants with names of suitable academic staff to approach about supervision. The availability of a suitable supervisor is a necessary prerequisite for admission into the course. Where research is to be conducted into equity matters in education, a supervisor will be provided.

- **Special Course Requirements**
  As a student proceeds through the four stages of the course, he or she will be required to submit a progress report to the Course Coordinator at the conclusion of each semester.

  There is provision in the course structure for students to present their proposal and their research in progress to a research seminar. Such seminars will be held at regular intervals with the frequency depending on the number of research students. All students enrolled in this course are to attend such seminars to present their own work and to discuss and evaluate the work of their peers. Academic staff who are supervising research students are also expected to attend seminars on a regular basis.

- **Course Structure**
  - **Preparation**
    Acquisition of knowledge of a range of appropriate research methods and in-depth knowledge of the research method to be used in the study; commencement of a comprehensive literature search.

    During the preparation stage, students will complete the unit EDN612 Conducting Educational Research or a substitute approved by the Course Coordinator. Students who have undertaken prior study of an equivalent nature may apply for an exemption from this unit.

  - **Proposal**
    Adoption of an appropriate research design for the proposed research; preparation of a comprehensive research proposal including a draft review of the literature; presentation and justification of the proposal to a seminar of other students and academic staff; trialling of research procedures.

    The research proposal must be approved by the Course Coordinating Committee before the student proceeds to the implementation stage.

  - **Implementation**
    Implementation of the research for the thesis; completion of the literature review.

  - **Submission**
    Completion and presentation of a thesis for approval by supervisor/s; production of the thesis in a suitable form for examination.

    There will be no pre-specified completion times or credit points allocated to these stages as there is a large amount of variation in the time students take to move through the stages.
**Transfer of Credit**

(i) On the recommendation of the Course Coordinator, the Dean may grant credit for studies passed at an approved institution of higher education, provided that:

(a) the studies are of equivalent standard and value to those offered at the University

(b) the studies are appropriate to the candidate’s work at the University

(c) the studies have not counted towards a previous qualification

(d) the studies are not included in those that have been designated as qualifying studies for the course.

(ii) There shall be no maximum credit granted for units previously completed at this institution prior to enrolment in the Master of Education (Research) award.

(iii) The maximum credit granted for studies passed elsewhere shall be the equivalent to one semester of full-time study.

(iv) Credit may be granted for units passed elsewhere after enrolment in the Master of Education (Research) award, provided that the candidate has previously obtained the permission of the Dean to enrol in these units.

(v) Where credit is granted the Dean may reduce proportionately the candidate’s period of enrolment.

(iv) A candidate who is re-enrolling following withdrawal or termination of candidature may be granted credit for previously successful studies by the Dean upon the recommendation of the Course Coordinator.

**Supervision**

(i) Normally, the Principal Supervisor will be a member of the Faculty of Education.

(ii) The University’s rules for PhD supervisors are supported in regard to principal and associate supervisors.

(iii) For Masters students, a maximum of two supervisors should constitute the supervisory team.

(iv) Procedures for selection of supervisors may be obtained from Heads of School, Directors of Research Centres and Concentrations.

(v) It is generally expected that the student will discuss the prospect of supervision with Heads of School, Directors of Centres or Research Concentrations and with the Course Coordinator.

(vi) The Course Coordinator, after agreement with the relevant Head of School(s) recommends the names of supervisors for specific students to the HDAC which in turn recommends supervisors to the Faculty Academic Board,

(vii) The names of supported supervisors of students in research degrees will be transmitted for University approval to the Research Management Committee.

**Progression and Unsatisfactory Progress**

**Progression**

In each semester of the candidature, six-monthly progress reports are required from the Principal Supervisor to be reviewed by the Course Coordinator and then forwarded to the RMC. Satisfactory progress for provisional candidates will consist of passing qualifying requirements or course units at the appropriate levels. For students enrolled in research studies, satisfactory progress will be judged by the submission of a report to the Course Coordinator. Progress reports will be submitted at designated intervals, normally at least twice each year.

**Unsatisfactory progress (under review)**

When progress is deemed unsatisfactory by the Course Coordinator or supervisor, the Course Coordinator will write to the candidate to request an indication of what action has been or will be taken to ensure progress is satisfactory for the next report.

When two consecutive reports indicate unsatisfactory progress, the Dean may require the candidate to show cause against exclusion. A student excluded under these rules has a right of appeal to the Academic Appeals Committee.

(i) With respect to coursework studies, candidates who have failed two or more units or who have otherwise progressed unsatisfactorily may have their candidature terminated by the Dean.
(ii) With respect to the thesis project, progress which is considered clearly unsatisfactory by both the Supervisor and the Course Coordinator may lead to a recommendation by them to the Dean that the candidate be excluded from the course.

(iii) Before the Dean decides to terminate candidature, the candidate shall be given the opportunity to show cause why this action should not be taken.

**Examination of the Thesis**

**Submission of Thesis**

(i) A candidate should submit a minimum of three copies of a thesis to the Faculty Office. Receipt of the thesis by the Faculty Office, on behalf of the Faculty Academic Board shall constitute submission of the candidate’s thesis for examination. These should be temporarily bound in order to facilitate the making of any revisions and editorial changes required by examiners (if the thesis is otherwise acceptable to them) before final printing and binding.

(ii) The thesis should be accompanied by a signed declaration that:

(a) the candidate has complied with the ethics of experimentation as set out in the publication *QUT Guide to Thesis Presentation*

(b) the thesis is the candidate’s own work and that all other sources are correctly acknowledged

(c) the thesis has not been submitted to another institution.

(iii) the thesis must contain a joint declaration signed by both the student and their supervisor stating that the thesis is ready for examination.

**Examination of Thesis**

(i) Each thesis will be examined by at least two examiners, one of whom may be external to the University, appointed by the Faculty Academic Board upon recommendation of the Higher Degrees Advisory Committee upon the recommendation of the Course Coordinator in consultation with the Principal Supervisor. At least one of the examiners appointed may be external to the University.

(ii) An oral defence of a thesis may be made a component of the overall thesis examination procedure by the Faculty Academic Board upon the recommendation of the Higher Degrees Advisory Committee. Should this be the case, the Course Coordinator will normally act as Chairperson of the group of examiners for the oral examination. At such an examination, the attendance of observers other than the Dean and the relevant Head of School is subject to the express approval of the Higher Degrees Advisory Committee.

(iii) Examiners must receive copies of the thesis in reasonable time to permit its thorough consideration and appraisal before the date by which assessments are required or before any oral examination. Whether or not there is an oral examination, each examiner is required to submit a written assessment of the thesis within eight weeks of its receipt.

(iv) These assessments will be presented on official forms available from the Faculty Office and will deal with the general standard and quality of the work and not with specific detail. They will be submitted to the Course Coordinator by the specified date and, if there is to be an oral examination, before this examination. Each assessment is individual and confidential and should not be made available to other examiners. Each examiner should make one of the following recommendations:

(a) Pass – implying that the thesis will be fully satisfactory except possibly for editorial changes

(b) Resubmit – implying that the thesis will be fully acceptable when certain necessary corrections or modifications are made by the candidate and resubmitted to the examiners

(c) Fail – implying that the thesis is not of an acceptable standard.

(v) In the case of (a) and (b) above, an examiner should provide, along with the official assessment form, a separate document indicating where corrections or modifications are required and, as appropriate, providing any constructive criticism and comment helpful to the candidate. An examiner will refer to any notably original contributions which the candidate has made and may comment on the scope for further research or postgraduate study. Such additional documents should be retained temporarily by the Course Coordinator.

(vi) The Course Coordinator will forward the set of examiner’s assessment forms to the Chairperson, Higher Degrees Advisory Committee, attaching a formal recommendation. The HDAC makes formal
recommendation to the Faculty Academic Board. The Faculty Academic Board will indicate acceptance or otherwise of the recommendation.

(vii) If a recommendation of type (a) is accepted, the Faculty Academic Board will ask the Course Coordinator to make the examiners’ requirements available to the candidate while maintaining the anonymity of the examiners. The Course Coordinator will sign an official record indicating satisfaction of all thesis requirements that all required changes have been completed satisfactorily.

(viii) If a recommendation of type (b) is accepted, the Faculty Academic Board will ask the Course Coordinator to ensure that the candidate is requested to resubmit the thesis with any necessary corrections or modifications. The revised thesis is forwarded to the examiners for assessment.

(ix) If a recommendation of type (c) is accepted, the normal implication is that the candidate will be excluded from the course. However, in exceptional circumstances the Higher Degrees Advisory Committee may grant the candidate an opportunity to submit a substantially new thesis after a period of not less than six months.

(x) In the event of disagreement between the examiners, the Chairperson, Higher Degrees Advisory Committee, will refer the matter to the Examination Sub-Committee of the Higher Degrees Advisory Committee which makes recommendations on areas of disputation between examiners. This person would be appointed after consultation between supervisors and the Course Coordinator. The Higher Degrees Advisory Committee will then make recommendation to the Faculty Academic Board. The Faculty Board may then (i) not recommend awarding the degree, or (ii) accept a majority recommendation with or without the advice of a further external examiner.

(xi) If a candidate is required to revise and resubmit a thesis, the examiners’ reports will be made available to the candidate, the anonymity of the examiners being maintained.

(xii) After the examination process is complete, examiners’ reports will be made available to the candidate on request. The names of examiners will be released on request providing each examiner has indicated willingness to have his or her identity revealed to the candidate.

**Master of Education – Teaching English to Speakers of Other Languages (TESOL) (ED14)**

**Location:** Kelvin Grove campus

**Course Duration:** 1 to 1.5 years full-time, 2 years part-time

**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Dr Ed Burke

**Tuition Fees (Domestic Students):** $720 per 12 credit point unit ($60 per credit point)

**Entry requirements**

Candidates will be admitted to the course who:

(i) hold an appropriate Bachelor degree or equivalent at a standard acceptable to the Dean of the Faculty, or

(ii) hold other qualifications acceptable to the Dean which may include substantial work experience in TESOL or involvement in other relevant professional or research activities, and have had at least one year’s practical experience in some branch of education acceptable to the Dean.

Applicants who are non-native speakers of English must undertake and present the results of an English test approved by the University and obtained within twelve months prior to application.

**Graduate Certificate in Education (TESOL) - Exit Point**

Following the successful completion of four MEd(TESOL) units (including two core units and two electives), students may elect either to discontinue enrolment and graduate with a GradCertEd(TESOL), or to pursue a further four units in order to complete the MEd(TESOL). Students wishing to exercise this option should contact the Faculty office for information on how to proceed.
Provisional Enrolment

Students who do not meet the entry requirements may be admitted on a provisional basis and be required to undertake preliminary coursework and reading as determined by the Course Coordinator. After satisfactory completion of the preliminary studies students may be admitted to full candidature.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAN608 Second Language Acquisition</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LAN612 Principles of Second Language Methodology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td>3</td>
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<table>
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<th>Contact Hrs/Wk</th>
</tr>
</thead>
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<td>LAN608 Second Language Acquisition</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LAN612 Principles of Second Language Methodology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td>3</td>
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Part-Time Course Structure

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<th>Year 1, Semester 1</th>
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<tbody>
<tr>
<td>LAN608 Second Language Acquisition</td>
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<td>3</td>
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<tr>
<td>LAN612 Principles of Second Language Methodology</td>
<td>12</td>
<td>3</td>
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<table>
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<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tr>
<td>Elective Unit</td>
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<tr>
<td>Elective Unit</td>
<td>12</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>Elective Unit</td>
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<tr>
<td>Elective Unit</td>
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</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<td>3</td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td>3</td>
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</table>

Intensive Mode

Block Session 1

| LAN608 Second Language Acquisition | 12 | 3 |
| LAN612 Principles of Second Language Methodology | 12 | 3 |
| LAN614 Research Methods in Second Language Education | 12 | 3 |

OR

| LAN617 Personalised Language Development | 12 | 3 |

Block Session 2

| LAN613 Second Language Curriculum Design Options | 12 | 3 |
| LAN615 Directed Reading in Second Language Education | 12 | 3 |
| LAN619 Functional Grammar | 12 | 3 |

OR

| LAN620 Language & Culture | 12 | 3 |

Block Session 3

| LAN616 Language Assessment & Program Evaluation in TESOL | 12 | 3 |
| LAN618 Technology & Second Language Learning | 12 | 3 |

OR

| EDN608/1 Project (Stage 1) | 12/24 | 3 |
| EDN608/2 Project (Stage 2) | 12/24 | 3 |

Elective List A

Students in the MEd(TESOL) may, with the approval of the Course Coordinator, enrol in a maximum of two units offered within the Faculty of Education or within other Faculties of QUT. These units may be taken in lieu of electives within the MEd(TESOL).
EDN608 Project 24
EDN611 Understanding Educational Research 12 3
LAN615 Directed Reading in Second Language Education 12 3
LAN616 Language Assessment & Program Evaluation in TESOL 12 3
LAN617 Personalised Language Development 12 3
LAN618 Technology & Second Language Learning 12 3
LAN619 Functional Grammar 12 3
LAN620 Language & Culture 12 3

Guidelines for a Project
It is not essential for students who are completing a Project to adhere to the University guidelines on
dissertations, although students may find these useful. See the course entry for Master of Education (ED13)
for the guidelines on dissertations.

Graduate Diploma in Education (Computer Education) (ED21)

Location: Kelvin Grove campus
Course Duration: 2 years part-time or external
Total Credit Points: 96
Standard Credit Points/Part-Time Semester: 24
Course Coordinator: Mr Paul Shield

Entry requirements
To be eligible for admission, an applicant must:

(i) hold an approved Bachelor Degree, Diploma of Teaching or equivalent
(ii) have had at least one year’s teaching experience.

External students will need to have access to a computer system which supports the languages Pascal
(preferably Turbo Pascal), Logo, and PROLOG (preferably Turbo PROLOG), and which includes a disk
drive and printer. Although some software resources are available for borrowing, external students will
normally be expected to provide their own software.

It is highly desirable that external students have access to an IBM PC or compatible for at least some parts
of the course.

Course Structure (for Course Structure table, see page 407 of this Handbook)
To meet course requirements, students must complete four core units and four elective units. Elective units
may be chosen from either List A or List B.

The following units are scheduled in Semester 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title (core)</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDP532</td>
<td>Computer Systems in an Educational Context</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP537</td>
<td>Major Issues in Computer Education</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

List A: Elective Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDP507</td>
<td>Teaching Secondary Computer Studies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP530</td>
<td>Computer Applications in Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP533</td>
<td>Teaching Information Systems Modelling</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP536</td>
<td>Computer Graphics in Teaching</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

The following units are scheduled in Semester 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title (core)</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDP503</td>
<td>Information Systems in Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP506</td>
<td>Computer Education Project</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Four units must be completed at a grade of 4 or above before MDP506 can be undertaken.

List B: Elective Units (2 to be chosen)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDP504</td>
<td>School Administration using Information Technology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP508</td>
<td>Computer Use in the Primary Curriculum</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP531</td>
<td>Investigations into Computer Aided Learning</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP534</td>
<td>Educational Applications of Artificial Intelligence</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP535</td>
<td>Educational Software Development</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP538</td>
<td>Computers in the Secondary Curriculum</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>
Some possible sequences of study are given below. Other sequences are possible within the prerequisite structure of the course.

It is suggested that those applicants with little knowledge of computing do the elective unit MDP530 Computer Applications in Education in their first semester. Normally MDP530 may only be attempted in the first semester of the first year of study. Students in other than their first year of study will only be allowed to undertake MDP530 with the explicit approval of the Course Coordinator.

### Graduate Diploma in Education (Early Childhood) (ED20)

**Location:** Kelvin Grove campus  
**Course Duration:** 2 years external  
**Total Credit Points:** 96  
**Standard Credit Points/Full-Time Semester:** 48  
**Course Coordinator:** Dr Nicola Yelland

**Entry requirements**  
To be eligible for admission, an applicant must hold the following:

(i) an appropriate degree, diploma or equivalent, and  
(ii) at least one year’s teaching experience, and  
(iii) current teacher registration.

**Special Course Requirements**  
Students should note that there is a compulsory period of two weeks’ practice teaching (or more, according to Individual Teaching Experience Profiles) with children in the early childhood age range, to be undertaken at the completion of the first four units of the course. Students employed as teachers need to complete these practice periods during school holidays in a specially organised setting. A further compulsory period of two weeks with children in the early childhood age range is held toward the end of the course to provide opportunities for extending practical knowledge of program design and evaluation. Some students may need to undertake this practicum during school holidays.

**Course Structure (Commencing Students)  
Credit Points**

**Year 1, Semester 1**
- EAP533 Change in Children: Birth to Eight Years (formerly EAP528) **12**
- EAP534/1 Curriculum in Early Childhood 1 (formerly EAP529/1) **6**

**Year 1, Semester 2**
- EAP534/2 Curriculum in Early Childhood 1 (formerly EAP529/2) **6**
- EAP535 Curriculum in Early Childhood 2 (formerly EAP525) **12**
- EDP508 Practicum in Early Childhood 1\(^3\) **6**

**Summer School**
- EDP508 Practicum in Early Childhood 1\(^3\) **6**

**Year 2, Semester 1**
- EAP536 Curriculum in Early Childhood 3 (formerly EAP526) **12**
  
One unit to be selected from:
- EAB413 Management of Early Childhood Services **12**
- EAP537 Contexts of Early Childhood Education (formerly EAP530) **12**
- EAP538 Research in Early Childhood (formerly EAP531) **12**

**Year 2, Semester 2**
- EDP509 Practicum in Early Childhood 2\(^3\) **6**
  
Two units to be selected from:
- EAB324 Integrating Young Children with Special Needs into Early Childhood Programs **12**
- EAB410 Early Education: Deciding the Curriculum **12**

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3 EDP508 Practicum in Early Childhood 1 and EDP509 Practicum in Early Childhood 2 are offered in Semester 2 or Summer School.
## Graduate Diploma in Education (Computer Education)

### Sequences of Study Options

<table>
<thead>
<tr>
<th>MODE</th>
<th>YEAR 1</th>
<th>YEAR 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 2</strong></td>
</tr>
<tr>
<td>Secondary</td>
<td><strong>MDP532 Computer Systems in an Education Context</strong></td>
<td><strong>MDP533 Teaching Information System Modelling</strong></td>
</tr>
<tr>
<td>Computer Studies</td>
<td><strong>MDP537 Major Issues in Computer Education</strong></td>
<td><strong>OR</strong></td>
</tr>
<tr>
<td></td>
<td><strong>MDP530 Computer Applications in Education</strong></td>
<td><strong>MDP532 Computer Systems in an Educational Context</strong></td>
</tr>
<tr>
<td>Secondary</td>
<td><strong>MDP537 Major Issues in Computer Education</strong></td>
<td><strong>MDP503 Information Systems in Education</strong></td>
</tr>
<tr>
<td>General</td>
<td><strong>MDP530 Computer Applications in Education</strong></td>
<td><strong>MDP531 Investigations into Computer Aided Learning</strong></td>
</tr>
<tr>
<td></td>
<td><strong>MDP503 Information Systems in Education</strong></td>
<td><strong>MDP536 Computer Graphics in Teaching</strong></td>
</tr>
<tr>
<td>Primary</td>
<td><strong>MDP530 Computer Applications in Education</strong></td>
<td><strong>MDP503 Information Systems in Education</strong></td>
</tr>
<tr>
<td></td>
<td><strong>MDP537 Major Issues in Computer Education</strong></td>
<td><strong>MDP508 Computer Use in the Primary Curriculum</strong></td>
</tr>
<tr>
<td>TAFE</td>
<td><strong>MDP532 Computer Systems in an Educational Context</strong></td>
<td><strong>MDP503 Information Systems in Education</strong></td>
</tr>
<tr>
<td></td>
<td><strong>MDP530 Computer Applications in Education</strong></td>
<td><strong>MDP535 Educational Software Development</strong></td>
</tr>
</tbody>
</table>

### Notes
- **MDP533 Teaching Information System Modelling** OR **MDP507 Teaching Secondary Computer Studies**
- **MDP536 Computer Graphics in Teaching** OR **MDP508 Computer Use in the Primary Curriculum**
- **MDP537 Major Issues in Computer Education** AND EITHER
  - **MDP536 Computer Graphics in Teaching** OR **MDP533 Teaching Information System Modelling**
Course structure (Continuing Students)

Students who have not completed all the requirements for the first year of the course should follow the course structure for commencing students ensuring that all compulsory units are completed.

Year 2, Semester 1

EAP536 Curriculum in Early Childhood 3 (formerly EAP526) 12
One unit to be selected from:
EAP538 Research in Early Childhood (formerly EAP531) 12
EAB413 Management of Early Childhood Services 12

Year 2, Semester 2

EAP535 Curriculum in Early Childhood 2 (formerly EAP525) 12
EDP509 Practicum in Early Childhood 2 6
One unit to be selected from:
EAP440 Working with Parents & Community 12
EAB410 Early Education: Deciding the Curriculum 12
EAP539 Transactions in Early Childhood (formerly EAP532) 12
EAB324 Integrating Young Children with Special Needs into Early Childhood Programs 12

Summer School

EDP509 Practicum in Early Childhood 2 6

Graduate Diploma in Education (Educational Management) (ED23)

Location: Kelvin Grove campus (some units may be provided at Gardens Point campus)

Course Duration: 2 years part-time or external

Total Credit Points: 96

Standard Credit Points/Part-Time Semester: 24

Course Coordinator: Ms Di Nailon

Entry requirements

To be eligible an applicant must have:

(i) an appropriate teaching/education or other relevant qualification at diploma, degree or graduate diploma level
(ii) at least one year’s experience in an educational setting.

Applicants who do not meet the requirements for normal entry may present documentary evidence of experience and abilities with the standard application form.

Applicants may be selected for interview prior to an offer being made.

Part-Time Course Structure (Internal) Credit Points Contact Hrs/Wk

Year 1, Semester 1

EAP512 Policies & Practices in Educational Management 12 3
One unit to be selected from:
EAP518 Managing the Curriculum 12 3
MGN409 Introduction to Management 12 3

Year 1, Semester 2

EAP513 Educational Services Management 12 3
Elective Unit selected from Lists A-C 12 3

Year 2, Semester 1

Elective Unit selected from Lists A-C 12 3

EDP508 Practicum in Early Childhood 1 and EDP509 Practicum in Early Childhood 2 are offered in Semester 2 or Summer School.
One unit to be selected from:
BSB110  Accounting  12  3
PRP502  Financial Management in Education Settings  12  3

**Year 2, Semester 2**
EDP514  Field Project  12
Elective Unit selected from Lists A-C  12  3
OR
EDP516  Extended Field Project\(^4\)  24

**Elective Units**
**Note:** Only one List B Elective Unit can be chosen for entire course.

**Semester 1**
**List A: Educational Management Elective Units (Faculty of Education)**
EAP515  Human Resource Management in Education  12  3
EDB440  Independent Study\(^5\)  12
LEB480  Research Methods in Education  12  3
PRB417  Educators & the Law  12  3

**List B: Business Elective Units (Faculty of Business)**
BSB116  Marketing & International Business  12  3
MGB323  Small Business Management  12  3
MGN412  People in Organisations  12  3

**List C: Other Elective Unit**
One unit may be chosen from across the University. Options must be negotiated with the Course Coordinator prior to enrolling in the unit.

**Part-Time Course Structure (External)**
The external mode has six core units and one or two elective units, depending on the size (12 or 24 credit points) of a student’s field project. These units are offered by the Faculty of Education.

**Credit Points**

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EAP512 Policies &amp; Practices in Educational Management</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>EAP518 Managing the Curriculum</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EAP513 Educational Services Management</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Elective Unit selected from List D</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EAP515 Human Resource Management in Education</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>PRP502 Financial Management in Education Settings</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EDP514 Field Project and</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Elective Unit selected from List D</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDP516 Extended Field Project</td>
<td>24</td>
<td></td>
</tr>
</tbody>
</table>

\(^4\) Students wishing to complete an Extended Field Project (24 credit points) must negotiate with the course coordinator prior to enrolment.

\(^5\) The unit EDB440 Independent Study may be taken once only. An Independent Study Guide and application are available from the Faculty of Education Office.
List D: Electives
Choose 1 or 2 of the following:
EAB440 Working with Parents & the Community 12
EAP500 Early Childhood Leadership & Advocacy 12
EDB440 Independent Study5 12
One other elective to be negotiated (available externally)

Graduate Diploma in Education (Learning Support) (ED28)

Location: Kelvin Grove campus
Course Duration: 1 year full-time, 2 years part-time or external
Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Ms Suzanne Carrington

Entry requirements
To be eligible for admission, an applicant must:
(i) hold an appropriate degree or Diploma of Teaching (or equivalent)
(ii) have a minimum of two years’ successful teaching experience
(iii) be recommended by their employing authority as having general personal suitability to fulfil the resource/support teacher duties.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEB480 Research Methods in Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LEP523 Learners with Special Needs</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LEP525 Remediating Learning Difficulties</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP529 Assessment &amp; Remediation in Mathematics</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPP501 Socio-cultural Issues in Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LEP524 Developing Relationships &amp; Groups</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LEP526 Study Skills, Literacy &amp; Learning</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRP501 Curriculum: Learners with Special Needs</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

If numbers are insufficient to offer full-time classes, students will be able to study the course by a combination of evening and external study within one year.

Part-Time (Evening and External) Course Structure
While all units are to be offered each year, students studying in the part-time and external modes are advised to enrol in the two-year cycle shown below if seeking to complete the course in minimum time. Those not pursuing course completion in minimum time may choose appropriate units as available.

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEP525 Remediating Learning Difficulties</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP529 Assessment &amp; Remediation in Mathematics</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEP524 Developing Relationships &amp; Groups</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LEP526 Study Skills, Literacy &amp; Learning</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEB480 Research Methods in Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LEP523 Learners with Special Needs</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPP501 Socio-cultural Issues in Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRP501 Curriculum: Learners with Special Needs</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

5 The unit EDB440 Independent Study may be taken once only. An Independent Study Guide and application are available from the Faculty of Education Office.
Graduate Diploma in Education (Teacher-Librarianship) (ED25)

Location: Kelvin Grove campus

Course Duration: 1 year full-time external; 2 years part-time or external

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Geoff Chapman

Entry requirements
To be eligible for admission, an applicant must:

(i) hold an appropriate degree, diploma or equivalent qualification, including an approved teaching qualification

(ii) have had proven satisfactory teaching experience, normally at least three years in the last ten

(iii) have personal suitability. Personal suitability is determined on the basis of a 750 word statement and referees’ reports.

Professional Recognition
The course is recognised by the Australian Library and Information Association as a specialist professional qualification.

Contact Hours/Mode
This course is offered by evening classes and external study. It may be completed in a combination of evening and external study or external study only.

Special Course Requirements
To meet course requirements students must complete satisfactorily six compulsory core units and two elective units.

Course Structure

<table>
<thead>
<tr>
<th>Core Units</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAP501 Foundations of Teacher-Librarianship</td>
<td>12</td>
<td>3 (Evening), External</td>
</tr>
<tr>
<td>LAP502 Curriculum &amp; Related Resources</td>
<td>12</td>
<td>3 External</td>
</tr>
<tr>
<td>LAP503 Literature &amp; Literacy: Resources &amp; Strategies</td>
<td>12</td>
<td>3 (Evening), External</td>
</tr>
<tr>
<td>LAP504 School Library Resources: Organisation &amp; Access</td>
<td>12</td>
<td>3 External</td>
</tr>
<tr>
<td>LAP505 Communication &amp; Management in School Library Resource Centres (Prerequisite LAP501)</td>
<td>12</td>
<td>External</td>
</tr>
<tr>
<td>LAP506 Information Services for Schools (Prerequisite LAP502)</td>
<td>12</td>
<td>External</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elective Units</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LAP507 Australian Literature for Young People (List A)</td>
<td>12</td>
<td>External</td>
</tr>
<tr>
<td>LAP509 Directed Study (List C)</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>LAP513 Media Literacy &amp; the School (List B)</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>LAP515 Resource Services for Special Needs (Prereq LAP502) (List A)</td>
<td>12</td>
<td>External</td>
</tr>
<tr>
<td>LAP516 Special Seminar (List C)</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>LAP519 Books &amp; Publishing (List A)</td>
<td>12</td>
<td>External</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Core Units</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAP501 Foundations of Teacher-Librarianship</td>
<td>12</td>
<td>3 (Evening), External</td>
</tr>
<tr>
<td>LAP502 Curriculum &amp; Related Resources</td>
<td>12</td>
<td>3 External</td>
</tr>
<tr>
<td>LAP503 Literature &amp; Literacy: Resources &amp; Strategies</td>
<td>12</td>
<td>3 (Evening), External</td>
</tr>
<tr>
<td>LAP504 School Library Resources: Organisation &amp; Access</td>
<td>12</td>
<td>3 External</td>
</tr>
<tr>
<td>LAP505 Communication &amp; Management in School Library Resource Centres (Prerequisite LAP501)</td>
<td>12</td>
<td>External</td>
</tr>
<tr>
<td>LAP506 Information Services for Schools (Prerequisite LAP502)</td>
<td>12</td>
<td>External</td>
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</table>

Semester 2
Core Units

<table>
<thead>
<tr>
<th>Core Units</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAP501 Foundations of Teacher-Librarianship</td>
<td>12</td>
<td>3 (Evening), External</td>
</tr>
<tr>
<td>LAP502 Curriculum &amp; Related Resources</td>
<td>12</td>
<td>3 External</td>
</tr>
<tr>
<td>LAP503 Literature &amp; Literacy: Resources &amp; Strategies</td>
<td>12</td>
<td>3 (Evening), External</td>
</tr>
<tr>
<td>LAP504 School Library Resources: Organisation &amp; Access</td>
<td>12</td>
<td>3 External</td>
</tr>
<tr>
<td>LAP505 Communication &amp; Management in School Library Resource Centres (Prerequisite LAP501)</td>
<td>12</td>
<td>External</td>
</tr>
<tr>
<td>LAP506 Information Services for Schools (Prerequisite LAP502)</td>
<td>12</td>
<td>External</td>
</tr>
</tbody>
</table>
Elective Units
LAP509 Directed Study (List C) 12
LAP512 Literature for Young People (List A) 12 External
LAP516 Special Seminar (List C) 12
LAP517 Storytelling (List A) 12 3
LAP518 Visual Literacy & Resource Design (List B) 12 External
LAP519 Books & Publishing (List A) 12 External

Elective Unit List
Elective units provide opportunities for students to extend their competence in specialised areas falling within overall course objectives.

These elective units are offered over four semesters:

List A: Literature/Resources
LAP507 Australian Literature for Young People 12 External
LAP512 Literature for Young People 12 External
LAP515 Resource Services for Special Needs 12 3 or 3 or
LAP517 Storytelling 12 3
LAP518 Visual Literacy & Resource Design 12 External
LAP519 Books & Publishing (List A) 12 External

List B: Systems/Management/Communication
LAP513 Media Literacy & the School 12 External

List C
LAP509 Directed Study 12
LAP516 Special Seminar 12 May vary

Note: Students may select elective units from the Graduate Diploma in Library Science and from other University courses as approved by the Course Coordinator.

Graduate Diploma in Education (Pre-service) Early Childhood (ED35)
Graduate Diploma in Education (Pre-service) Primary (ED36)
Graduate Diploma in Education (Pre-service) Secondary (ED37)

Location: Kelvin Grove campus (some unit areas are located at Carseldine and Gardens Point campuses)
Course Duration: 1 year full-time, 2 years part-time (ED37 Science and Music only)
Total Credit Points: 96
Course Coordinator: Dr Ian Macpherson

Associate Course Coordinators
Early Childhood: Dr Sue Grieshaber
Primary: Dr Jenny Campbell
Secondary: Dr Jillian Brannock

General Entry requirements
To be eligible for consideration, applicants:
(i) must have at least an undergraduate degree or equivalent from a recognised tertiary institution
(ii) must have proficiency in English as determined by University requirements.

Additional Entry requirements – Secondary
Students select two areas of specialisation within Curriculum Studies. The specialisation through which entry to the course is sought is designated the major area (Curriculum A); the other specialisation is designated the minor area (Curriculum B). See details of the specialisations below.

For entry to the two selected specialisations, students need to have completed tertiary studies relevant to the specialisations, as follows:
for the major curriculum area - at least one-third of an undergraduate course
for the minor curriculum area - at least one-sixth of an undergraduate course.

In some of the curriculum areas, additional Entry Requirements may apply, for example:
level of attainment in the relevant tertiary studies
range and/or depth of relevant tertiary studies
other aspects of suitability, as assessed through interview (LOTE, Primary LOTE), audition (Drama, Dance, Music) or presentation of folio of work (Visual Arts).

Course Structure
Students complete 24 credit points of Education Studies and 72 credit points of Curriculum Studies which incorporates Professional Practice.

<table>
<thead>
<tr>
<th>Course Area</th>
<th>Credits</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>EARLY CHILDHOOD – ED35</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPP411/1 Understanding Education in Contemporary Australia</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>EAP411 Creativity &amp; Language 1</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>EAP412 Thinking &amp; Problem Solving 1</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>EAP413 Program Planning &amp; Teaching Strategies 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LEP413/1 Human Development &amp; Learning</td>
<td>6</td>
<td>3</td>
</tr>
</tbody>
</table>

Professional Practice Component
This component of the unit Program Planning and Teaching Strategies 1 provides students with first-hand experience in a range of early childhood settings, including child care centres, kindergartens, preschools and lower primary. Emphasis is placed on observation, planning, implementing, evaluating and record-keeping.
Contact: 2 x 2 single days and 2 x 2 week block sessions; 1 week of field experience in conjunction with on-campus component.

**Year 1, Semester 2**
CPP411/2 Understanding Education in Contemporary Australia | 6 | 3 |
EAP416 Creativity & Language 2 | 12 | 4 |
EAP417 Thinking & Problem Solving 2 | 12 | 4 |
EAP418 Program Planning & Teaching Strategies 2 | 12 | 3 |
LEP413/2 Human Development & Learning | 6 | 3 |

Professional Practice Component
This component of the unit Program Planning and Teaching Strategies 2 provides students with first-hand experience in a range of early childhood settings, including child care centres, kindergartens, preschools and lower primary. Emphasis is placed on observation, planning, implementing, evaluating, administration, parent programs and record-keeping.
Contact: 1 x 2 days and 2 x 3 week block sessions

PRIMARY – ED36

**Year 1, Semester 1**
CPP411/1 Understanding Education in Contemporary Australia | 6 | 3 |
LAP440 Language & Literacy 1 | 12 | 3 |
LEP413/1 Human Development & Learning | 6 | 3 |
MDP450 Mathematics, Science & Technology 1 | 12 | 3 |
PRP403 Professional & Curriculum Studies 1 | 12 | 3 |

Professional Practice Component
Orientation to the primary school. Planning, implementation and lesson closure: teaching tasks of increasing complexity from micro-teaching to full-scale responsibility for planning, implementing, closing a lesson. Initiative and individuality in lesson, module and unit planning and implementation.
Contact: 5 single Thursdays and a 4 week block session

**Year 1, Semester 2**
CPP411/2 Understanding Education in Contemporary Australia | 6 | 3 |
LAP441 Language & Literacy 2 | 12 | 3 |
LEP413/2 Human Development & Learning | 6 | 3 |
MDP451 Mathematics, Science & Technology 2 | 12 | 3 |
PRP404 Professional & Curriculum Studies 2 | 12 | 3 |
Professional Practice Component
Knowledge gained from in-depth contextual studies and curriculum and professional studies is used to prepare a total program of work. This is fully implemented in a final two weeks of practice. School and community domains are also studied in preparation for beginning teaching.

Contact: 5 single Thursdays and a 5 week block session

SECONDARY – ED37

Year 1, Semester 1
CPP411/1 Understanding Education in Contemporary Australia 6 3
LEP413/1 Human Development & Learning 6 3
Curriculum Studies 1A Unit 12 3
Curriculum Studies 1B Unit 12 3
PRP401 Teaching Studies (to be taken in association with Curriculum major) 12 3

Professional Practice Component
Orientatation to the secondary school. Planning, teaching and evaluation: developing responsibility first for teaching single lessons and subsequently for a series of lessons. Interpersonal relations: relating effectively to students as learners and teachers as colleagues.

Contact: 5 week block session

Year 1, Semester 2
CPP411/2 Understanding Education in Contemporary Australia 6 3
LEP413/2 Human Development & Learning 6 3
Curriculum Studies 2A Unit 12 3
Curriculum Studies 2B Unit 12 3
Career Elective Unit 12 3

Professional Practice Component
Knowledge gained from in-depth contextual studies and curriculum and professional studies is used to prepare, teach, and evaluate units of work. Key foci of the study of school and community domains include social justice and equity policies. Foci on schools, school and classroom management programs, situated knowledge base on beginning teacher.

Contact: 6 week block session

Part-Time Course Structure (Science and Music only)
There will be no part-time intake in 1997.

Year 1, Semester 1
LEP413/1 Human Development & Learning 6 3
Curriculum Studies 1A Unit 12 3
PRP402/1 Teaching Studies (to be taken in association with Curriculum major) 6 3

Year 1, Semester 2
LEP413/2 Human Development & Learning 6 3
Curriculum Studies 1B or 2A Unit 12 3
PRP402/2 Teaching Studies (to be taken in association with Curriculum major) 6 3

Year 2, Semester 1
CPP412 Understanding Education in Contemporary Australia 12 3
Curriculum Studies 2A or 1B Unit 12 3

Year 2, Semester 2
Curriculum Studies 2B Unit 12 3
Career Elective Unit 12 3

Professional Practice Component
Program details are as per the full-time course outline. It is also anticipated that students will undertake practice blocks according to the full-time calendar. In cases where this is not feasible the situation may be negotiated.
<table>
<thead>
<tr>
<th>STRAND</th>
<th>EARLY CHILDHOOD</th>
<th>PRIMARY</th>
<th>SECONDARY</th>
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<tr>
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<td>Understanding Education in Contemporary Australia (12)</td>
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<td>Human Development &amp; Learning (12)</td>
<td>Human Development &amp; Learning (12)</td>
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<td>PROFESSIONAL PRACTICE</td>
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<td>Practice Teaching (6 weeks)</td>
<td>Field Experience (1 week)</td>
<td>Practice Teaching (6 weeks)</td>
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<td>Practice Teaching (4 weeks)</td>
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<td>Practice Teaching (4 weeks)</td>
<td>Practice Teaching (5 weeks)</td>
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<td>Creativity &amp; Language 1 (12)</td>
<td>Creativity &amp; Language 2 (12)</td>
<td>Language &amp; Literacy 1 (12)</td>
<td>Language &amp; Literacy 2 (12)</td>
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<td>Program Planning &amp; Teaching Strategies 1 (12)</td>
<td>Program Planning &amp; Teaching Strategies 2 (12)</td>
<td>Professional &amp; Curriculum Studies 1 (12)</td>
<td>Professional &amp; Curriculum Studies 2 (12)</td>
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<td></td>
<td>Career Elective Unit (12)</td>
<td>Career Elective Unit (12)</td>
<td>Career Elective Unit (12)</td>
<td>Career Elective Unit (12)</td>
</tr>
</tbody>
</table>

| TOTAL                   | 48                                                 | 48                                            | 48                                             | 48       | 96     |
Curriculum Studies Units – 1A and 1B

In Semester 1, students choose two curriculum units. The two must be selected from two different groups, as listed below. The unit selected as the student’s major area of study is designated Curriculum 1A, and as the minor area, Curriculum 1B.

Note: Curriculum unit Music 1A is available only to students choosing Music 1 as their other curriculum unit. This constitutes a double major in Music.

**Group 1**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>AAP422</td>
<td>Drama Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LAP403</td>
<td>LOTE Curriculum Studies 1(^6)</td>
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<tr>
<td>PRP405</td>
<td>Accounting Curriculum Studies 1</td>
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**Group 2**

<table>
<thead>
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<tbody>
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<td>AAP421</td>
<td>Dance Curriculum Studies 1</td>
<td>12</td>
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<tr>
<td>AAP434</td>
<td>Music Curriculum Studies 1A</td>
<td>12</td>
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<tr>
<td>MDP407</td>
<td>Senior Science Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PRP407</td>
<td>Economics Curriculum Studies 1</td>
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**Group 3**

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<td>AAP424</td>
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<tr>
<td>LAP409</td>
<td>Primary LOTE Curriculum Studies 1(^7)</td>
<td>12</td>
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<tr>
<td>MDP403</td>
<td>Mathematics Curriculum Studies 1</td>
<td>12</td>
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<tr>
<td>PRP413</td>
<td>Legal Studies Curriculum Studies 1</td>
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**Group 4**

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</tr>
</thead>
<tbody>
<tr>
<td>AAP423</td>
<td>Music Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>HMP401</td>
<td>Physical Education Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP430</td>
<td>Home Economics Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRP411</td>
<td>History Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
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</table>

**Group 5**

<table>
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<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>LAP405</td>
<td>Film &amp; Media Curriculum Studies 1(^8)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LAP407</td>
<td>English as a Second Language Curriculum Studies 1(^9)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP405</td>
<td>Computer Education Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRP409</td>
<td>Geography Curriculum Studies 1</td>
<td>12</td>
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**Group 6**

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<th>Contact Hrs/Wk</th>
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</thead>
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<td>HMP403</td>
<td>Health Education Curriculum Studies 1(^8,9)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LAP401</td>
<td>English Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDP401</td>
<td>Junior Science Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PRP415</td>
<td>Office Communications Technology Curriculum Studies 1</td>
<td>12</td>
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</tbody>
</table>

Curriculum Studies Units – 2A and 2B

In Semester 2, students select two curriculum units corresponding to their selections in Semester 1. These are designated Curriculum 2A and Curriculum 2B.

Except in the case of Senior Science, students select the Curriculum 2 units matching the Curriculum 1 units for Semester 1. Students who select Senior Science in Semester 1 must choose one of the Senior Science units listed in Semester 2.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>AAP430</td>
<td>Drama Curriculum Studies 2</td>
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<td>LAP404</td>
<td>LOTE Curriculum Studies 2</td>
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<td>PRP406</td>
<td>Accounting Curriculum Studies 2</td>
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<td>3</td>
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**Group 2**

<table>
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<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>AAP429</td>
<td>Dance Curriculum Studies 2</td>
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<tr>
<td>AAP433</td>
<td>Music Curriculum Studies 2A</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
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\(^6\) LOTE is generally offered as a major only. Students may only take LOTE as a minor when taking Primary LOTE as a major.

\(^7\) Primary LOTE is only offered in combination with LOTE.

\(^8\) There will be no intake for Film and Media or Health Education in 1997.

\(^9\) Offered as a minor only.
MDP409 Senior Biology Curriculum Studies 2  12  3  
MDP410 Senior Chemistry Curriculum Studies 2  12  3  
MDP411 Senior Earth Science Curriculum Studies 2  12  3  
MDP412 Senior Marine Studies Curriculum Studies 2  12  3  
MDP413 Senior Physics Curriculum Studies 2  12  3  
PRP408 Economics Curriculum Studies 2  12  3  

**Group 3**

AAP432 Visual Arts Curriculum Studies 2  12  3  
LAP410 Primary LOTE Curriculum Studies 2  12  3  
MDP404 Mathematics Curriculum Studies 2  12  3  
PRP414 Legal Studies Curriculum Studies 2  12  3  

**Group 4**

AAP431 Music Curriculum Studies 2  12  3  
HMP402 Physical Education Curriculum Studies 2  12  3  
PUP431 Home Economics Curriculum Studies 2  12  3  
PRP412 History Curriculum Studies 2  12  3  

**Group 5**

LAP406 Film & Media Curriculum Studies 2  12  3  
LAP408 English as a Second Language Curriculum Studies 2  12  3  
MDP406 Computer Education Curriculum Studies 2  12  3  
PRP410 Geography Curriculum Studies 2  12  3  

**Group 6**

HMP404 Health Education Curriculum Studies 2  12  3  
LAP402 English Curriculum Studies 2  12  3  
MDP402 Junior Science Curriculum Studies 2  12  3  
PRP416 Office Communications Technology Curriculum Studies 2  12  3  

**Career Elective Units**

Career Elective Units must be chosen from the following list.

CPB330 Aboriginal & Torres Strait Islander Education Policy  12  3  
CPB331 Asian Culture & Education  12  3  
CPB334 Powerful Teachers, Powerful Students  12  3  
CPB336 Education & Cultural Diversity  12  3  
CPB337 Gender & Education  12  3  
CPB338 Identifying & Responding to Student Differences  12  3  
CPB339 Teaching Aboriginal & Torres Strait Islander Students  12  3  
CPB344 Values & Ethics in Teaching  12  3  
CPB442 Cultural Diversity & Education  12  3  
CPB446 Gender & Sexuality Issues for Teachers  12  3  
EDB440 Independent Study  12  3  
LAB346 Case Studies in Adult & Family Literacy  12  3  
LAB347 Teaching Students from Non-English Speaking Backgrounds  12  3  
LEB331 Teaching Children with Low Incidence Disabilities  12  3  
LEB332 Teaching Exceptional Students  12  3  
LEB337 Gifted Learners  12  3  
LEB441 Education Counselling  12  3  
LEB443 Human Sexuality & Learning  12  3  
LEB444 Human Sexuality & Development  12  3  
LEB480 Research Methods in Education  12  3  
MDB300 Teaching in the Information Age  12  3  
PRB300 Education, Law & the Beginning Teacher  12  3  
PRB331 Learning/Teaching Environments  12  3  
PRB332 Classroom & Behaviour Management  12  3  
PRB413 Teachers & Isolated Learners  12  3  
PRB414 Teaching Strategies  12  3  
PRB415 Introduction to Educational Administration  12  3  
PRB416 Classroom Assessment Practices  12  3  

---

10 An Independent Study Guide and application are available from the Faculty of Education Office.
Graduate Certificate in Education (ED61)

- Adult and Workplace Education
- Advanced Skills Teacher
- Behaviour Management
- Business Education
- Career Guidance
- Computers in the Classroom
- Curriculum Development
- Educational Counselling
- Educational Management
- Equity Policy
- Higher Education
- Leadership
- Learning Support
- Literacy and Numeracy
- Mathematics Education
- Mathematics Education (Advanced)
- Practice and Policy

Location: Kelvin Grove and Gardens Point campuses

Course Duration: 1 year part-time internal or external

Total Credit Points: 48

Standard Credit Points/Full-Time Semester: 48

Tuition Fees (Domestic Students): $720 per 12 credit point unit ($60 per credit point)

Course Coordinator: Dr Ian Ginns

Course Structure

The Graduate Certificate in Education course consists of 48 credit points of units (usually four units) from a postgraduate course within the Faculty of Education deemed by the Dean of the Faculty to form a coherent program of study.

Credit Points | Contact Hrs/Wk
---|---

**Adult and Workplace Education**

**Entry requirements:** Refer to Master of Education (ED13)

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>EDN603</td>
<td>Independent Study</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LEN608</td>
<td>Foundations of Adult Learning &amp; Development</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB302</td>
<td>Adult Education in the Workplace &amp; Community</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRN613</td>
<td>Strategic Workplace Education &amp; the Learning Organisation</td>
<td>12</td>
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</table>

**Advanced Skills Teacher**

**Entry requirements:** Refer to Bachelor of Education ((Inservice) (ED26)

<table>
<thead>
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<th>Code</th>
<th>Subject</th>
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<tbody>
<tr>
<td>PRB312</td>
<td>Open Learning &amp; Flexible Delivery</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB412</td>
<td>Classroom Management: Models &amp; Practice</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB414</td>
<td>Teaching Strategies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB416</td>
<td>Classroom Assessment Practices</td>
<td>12</td>
<td>3</td>
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**Behaviour Management**

**Entry requirements:** Refer to Master of Education (ED13)

<table>
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<tr>
<th>Code</th>
<th>Subject</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>CPN613</td>
<td>School/Community Responses &amp; Intervention</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LEN611</td>
<td>Educational Intervention for Challenging Behaviour in the Classroom</td>
<td>12</td>
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</tr>
<tr>
<td>LEN612</td>
<td>Behaviour Management: Programs &amp; Planning</td>
<td>12</td>
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<tr>
<td>PRN635</td>
<td>Issues in Classroom Management</td>
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</tbody>
</table>

**Business Education**

**Entry requirements:** Refer to Master of Education (ED13)

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>PRN625</td>
<td>Business Administration/Communications Education</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PRN626</td>
<td>Strategies for Business Educators &amp; Trainers</td>
<td>12</td>
<td>3</td>
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<td>PRN627</td>
<td>Strategies in Accounting &amp; Business Management Education</td>
<td>12</td>
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<td>PRN628</td>
<td>Trends &amp; Issues in Business Education &amp; Training</td>
<td>12</td>
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</tr>
<tr>
<td>PRN629</td>
<td>Marketing in Educational Contexts</td>
<td>12</td>
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**Career Guidance**

**Entry requirements:** Refer to Master of Education (ED13)

<table>
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<tr>
<td>LEN602</td>
<td>Advanced Educational Counselling</td>
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11 Subject to approval.
LENS07 Career Education & Career Guidance 12 3
LENS09 Career Theory 12 3
LENS10 Career Counselling 12 3

NOTE: Students who have completed LEB441 in previous studies will complete LEN602.

**Computers in the Classroom**

**Entry requirements:** Refer to Graduate Diploma in Education (Computer Education) (ED21)

School of Mathematics, Science and Technology Education

MDP506 Computer Education Project 12 3
MDP508 Computer Use in the Primary Curriculum 12 3
MDP530 Computer Applications in Education 12 3
MDP531 Investigations into Computer-aided Learning 12 3
MDP536 Computer Graphics in Teaching 12 3
MDP537 Major Issues in Computer Education 12 3
MDP538 Computers in the Secondary Curriculum 12 3

**Curriculum Development**

**Entry requirements:** Refer to Bachelor of Education (Inservice) (ED26)

School of Professional Studies

PRB312 Open Learning & Flexible Delivery 12 3
PRB410 Teachers & the Curriculum 12 3
PRB417 Educators & the Law 12 3
EAP518 Managing the Curriculum 12 3

**Educational Counselling**

**Entry requirements:** Refer to Master of Education

School of Learning and Development

LEB441 Educational Counselling 12 3
LENS02 Advanced Educational Counselling 12 3
LENS03 Educational Counselling Professional Practice 12 3
LENS07 Career Education & Career Guidance 12 3

**Educational Management**

**Entry requirements:** Refer to Graduate Diploma in Education (Educational Management) (ED23)

School of Early Childhood

EAP512 Policies & Practices in Educational Management (Core) 12 3
EAP500 Early Childhood Leadership & Advocacy 12 3
EAP513 Educational Services Management (Core) 12 3
EAP515 Human Resource Management in Education 12 3
EAP518 Managing the Curriculum 12 3
PRB417 Educators & the Law 12 3
PRP502 Financial Management in Education Settings 12 3

**Equity Policy**

**Entry requirements:** Refer to Bachelor of Education (Inservice) (ED26)

School of Cultural and Policy Studies

CPB442 Cultural Diversity & Education 12 3
CPB444 Issues in Indigenous Education 12 3
CPB446 Gender & Sexuality Issues for Teachers 12 3

One unit to be negotiated.

**Higher Education**

**Entry requirements:** The student must:
(i) hold at least a first degree in a discipline or professional area
(ii) be currently teaching in higher education
(iii) normally, have no formal preparation or qualification in education.

Academic Staff Development Unit (Gardens Point campus)

EDP601 The Reflective Practitioner in Higher Education 12 3
EDP602 Adult Learning & Teaching in Higher Education 12 3
EDP603 Higher Education in Australia: Context & Issues 12 3
EDP604 Program Design & Evaluation in Higher Education 12 3
Leadership

Entry requirements: Refer to Master of Education (ED13)

School of Cultural and Policy Studies
CPN603 Changing Agendas in Leadership Education 12
CPN604 Equity & Education Management Issues & Strategies 12
CPN605 Organisational Cultures & Education Leadership 12
CPN606 Educational Leadership, Power & Careers 12

Learning Support

Entry requirements: Refer to Graduate Diploma in Education (Learning Support) (ED28)

School of Learning and Development
CPP501 Socio-cultural Issues in Education 12 3
LEP523 Learners with Special Needs 12 3
LEP524 Developing Relationships & Groups 12 3
LEP525 Remediating Learning Difficulties 12 3

Literacy and Numeracy

Entry requirements: Refer to Master of Education (ED13)

LAN623 Investigating Language & Literacy Teaching & Learning 12 3
LAN624 Literacy/ESL Programming & Assessment 12 3
MDN624 Curriculum Studies in Mathematics 12 3
MDN627 Student Assessment in Mathematics 12 3

Mathematics Education

Entry requirements: Refer to Bachelor of Education (Inservice) (ED26)

School of Mathematics, Science and Technology Education
EDB440 Independent Study 12
EDB442 Integrated Professional Seminars 12 3
MDB411 Early Childhood Mathematics Teaching, Learning & Assessment 12 3
MDB447 Mathematics Curriculum 12 3
MDP529 Assessment & Remediation in Mathematics 12 3

Mathematics Education (Advanced)

Entry requirements: Refer to Master of Education (ED13)

EDN602 Advanced seminars 12 3
EDN603 Independent Study 12 3
MDB447 Mathematics Curriculum 12 3
MDN624 Curriculum Studies in Mathematics 12 3
MDN625 The Psychology of Mathematics Education 12 3
MDN626 Pedagogy in Mathematics Education 12 3
MDN627 Student Assessment in Mathematics 12 3

Practice and Policy

Entry requirements: Refer to Master of Education (ED13)

School of Cultural and Policy Studies
CPN607 Global Change, Diversity in Education 12 3
CPN608 Gender & Education Policy 12 3
CPN610 Youth, Sex & Culture 12 3
EDN611 Understanding Educational Research 12 3

Graduate Certificate in Education – Teaching English to Speakers of Other Languages (TESOL) (ED77)

Location: Kelvin Grove campus
Course Duration: 1 semester full-time, or 2 semesters part-time
Total Credit Points: 48
Tuition Fees Domestic Students: $720 per 12 credit point unit ($60 per credit point)
Course Coordinator: Dr Ed Burke

Entry requirements

Refer to Master of Education (TESOL) course.
Course Structure
The Graduate Certificate in Education (TESOL) consists of four units taken from the MEd (TESOL) course. Studies can be undertaken in either the full-time or part-time mode.

Students in the GradCertEd (TESOL) have a choice of units. Students enrol in the two core units:

- LAN608 Second Language Acquisition 12 3
- LAN612 Principles of Second Language Methodology 12 3

and choose two electives from the following:

- EDN008 Project 12 3
- EDN611 Understanding Educational Research 12 3
- LAN613 Second Language Curriculum Design Options 12 3
- LAN614 Research Methods in Second Language Education 12 3
- LAN615 Directed Reading in Second Language Education 12 3
- LAN616 Language Assessment & Program Evaluation 12 3
- LAN617 Personalised Language Development 12 3
- LAN618 Technology & Second Language Learning 12 3
- LAN619 Functional Grammar 12 3
- LAN620 Language & Culture 12 3

Following completion of four units in the GradCertEd (TESOL) a student may elect to continue studies into the MEd (TESOL).

Bachelor of Early Childhood Studies (ED43)

Location: Kelvin Grove campus
Course Duration: 3 years full-time
Total Credit Points: 288
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Mr John Whitta
Associate Course Coordinator: To be advised

Entry requirements
Refer to Bachelor of Education (Early Childhood) course (ED52)

Course Structure
Students complete the first three semesters of the Bachelor of Education (Early Childhood) (ED52) course. During the third semester of the course interested students submit an application to the QUT Admissions Office to move into the Bachelor of Early Childhood Studies (ED43) (BECST) structure. Successful applicants will move into the following structure and exit with a three-year qualification specific to the child care area. The BECST course will provide its graduates with a three-year qualification that will enable them to be employed in the child care sector only. Students will not be eligible for registration as a teacher.

Special Note: Graduates of the Bachelor of Early Childhood Studies course may apply after one year’s work experience for entry to a modified fourth year of the Bachelor of Education (Early Childhood) course.

The following structure is for students moving into the BECST in 1997.

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1, Semester 1 (completed in 1996)</strong></td>
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</tr>
<tr>
<td>EAB341/1 Early Childhood Foundations 1</td>
<td>6</td>
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<tr>
<td>CPB342 Education in Context</td>
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<td>MDB386 Mathematics Foundations</td>
<td>12</td>
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<tr>
<td>PRB351/1 Early Childhood Professional Practice 1</td>
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<tr>
<td>Discipline Foundation Elective Unit (see List 1)</td>
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<tr>
<td><strong>Year 1, Semester 2 (completed in 1996)</strong></td>
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<tr>
<td>EAB341/2 Early Childhood Foundations 1</td>
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<tr>
<td>LAB344 Language &amp; Literacy Foundations</td>
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<tr>
<td>LEB335 Human Development &amp; Education</td>
<td>12</td>
</tr>
<tr>
<td>PRB351/2 Early Childhood Professional Practice 1</td>
<td>6</td>
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# BACHELOR OF EARLY CHILDHOOD STUDIES

## COURSE STRUCTURE FOR STUDENTS WHO MOVED INTO BECS IN SEMESTER 2, 1996

<table>
<thead>
<tr>
<th>STRAND</th>
<th>YEAR 1</th>
<th></th>
<th>YEAR 2</th>
<th></th>
<th>YEAR 3</th>
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<th>TOTAL</th>
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<td></td>
<td>Education in Context</td>
<td>Language, Technology &amp; Education</td>
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<tr>
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<td>Introduction to Professional Practice</td>
<td>Human Development &amp; Education</td>
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<tr>
<td></td>
<td>Early Childhood Practices 1 (10 days)</td>
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<td></td>
<td>Early Childhood Practices 2 (15 days) (10 days) (+ 10 day visits)</td>
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<td></td>
<td>Early Childhood Practices 4 (Child Care/Pre) (15 days) (+ 10 day visits)</td>
</tr>
<tr>
<td></td>
<td>Early Childhood Practices 2 (15 days) (10 days) (+ 10 day visits)</td>
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<td></td>
<td>Early Childhood Practices 3 (Child Care/Pre) (10 days) (+ 10 day visits in association with EAB325)</td>
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<td>Early Childhood Practices 4 (Child Care/Pre) (15 days) (+ 10 day visits)</td>
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<td>Early Childhood Foundations 2</td>
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<td>Early Childhood Arts 1</td>
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<td>DISCIPLINE/CONTENT STUDIES</td>
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<td>Maths Foundations</td>
<td>Science Foundations</td>
<td>Early Childhood Transactions 1 (10 days field)</td>
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<td>Early Childhood Transactions 2</td>
<td>Management of Early Childhood Services</td>
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<tr>
<td></td>
<td>Early Childhood Transactions 1 (10 days field)</td>
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<td>Early Childhood Transactions 2</td>
<td>Management of Early Childhood Services</td>
<td>Integrating Young Children with Disabilities</td>
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<td>Early Childhood Transactions 2</td>
<td>Management of Early Childhood Services</td>
<td>Integrating Young Children with Disabilities</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
Discipline Foundation Elective Unit (see List 1) 12

**Year 2, Semester 1**
- PRB352/1 Early Childhood Professional Practice 2 6 2.5
- EAB342/1 Early Childhood Foundations 2 6 2.5
- EAB345 Early Childhood Curriculum: Language Education 12 3
- EAB346 Early Childhood Curriculum: Science/Society & the Environment 12 3
- EAB351 Family Studies & Early Childhood Education 12 3

**Year 2, Semester 2**
- PRB352/2 Early Childhood Professional Practice 2 6 2.5
- EAB342/2 Early Childhood Foundations 2 6 2.5
- EAB347 Early Childhood Curriculum: Early Mathematics Explorations 12 3
- EAB348 Early Childhood Curriculum: Arts 12 3

Discipline Foundation Elective (see List 1)

**Year 3, Semester 1**
- PRB353/1 Early Childhood Professional Practice 3 6 2.5
- EAB343/1 Early Childhood Foundations 3 6 2.5
- EAB349 Advanced Early Childhood Curriculum: Arts 12 3
- EAB412 Integrative Early Childhood Curriculum 12 3
- EAB413 Management of Early Childhood Services 12 3

**Year 3, Semester 2**
- Education Studies Elective Unit (see List 2) 12
- PRB353/2 Early Childhood Professional Practice 3 6 2.5
- EAB343/2 Early Childhood Foundations 3 6 2.5
- EAB350 Advanced Early Childhood Curriculum: Literacy & Numeracy in the Early Years 12 3
- Early Childhood Curriculum Elective Unit (see List 3) 12

**List 1: Discipline Foundation Elective Units**

**Studies in Society and Environment**
- PRB371 Social & Environmental Foundations 12 3

**Health and Physical Education**
- HMB171 Fitness, Health & Wellness 12 3

**Visual and Performing Arts**
- AAB918 Arts Foundation Studies 12 3

**Science**
- MDB387 Science Foundations 12 3

**Technology**
- MDB385 Information Technologies in Education 12 3

**List 2: Education Studies Elective Units**

Students select one unit from either Group A or Group B.

**Group A: Professional Work of Educators**
- CPB330 ATSI Education Policy 12 3
- CPB331 Asian Culture & Education 12 3
- CPB334 Powerful Teachers, Powerful Students 12 3
- CPB442 Cultural Diversity & Education 12 3
- CPB446 Gender & Sexuality Issues for Teachers 12 3
- EDB440 Independent Study\(^5\) 12 3
- LAB346 Teaching Students from Non-English Speaking Backgrounds 12 3
- LEB441 Education Counselling 12 3
- LEB443 Human Sexuality & Learning 12 3
- LEB444 Human Sexuality & Development 12 3
- LEB480 Research Methods in Education 12 3
- MDB300 Teaching in the Information Age 12 3
- PRB300 Education Law & the Beginning Teacher 12 3
- PRB331 Learning/Teaching Environments 12 3

\(^5\) The unit EDB440 Independent Study may be taken once only. An Independent Study Guide and application are available from the Faculty of Education Office.
### Bachelor of Early Childhood Studies

**Course Structure for Students Moving Into BECS in Semester 2, 1997**

<table>
<thead>
<tr>
<th>STRAND</th>
<th>YEAR 1</th>
<th>YEAR 2</th>
<th>YEAR 3</th>
<th>TOTAL</th>
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<td>Semester 1</td>
<td>Semester 2</td>
<td>Semester 1</td>
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<td>Education in Context (12)</td>
<td>Human Development &amp; Education (12)</td>
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<td>PROFESSIONAL STUDIES</td>
<td>Early Childhood Professional Practice 1 (2 weeks) (12)</td>
<td>Early Childhood Professional Practice 2 (5 weeks) (12)</td>
<td>Early Childhood Professional Practice 3 (5 weeks) (12)</td>
<td>36</td>
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<td></td>
<td>Field Experience (4 weeks)</td>
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<td>Field Experience (4 weeks)</td>
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<td>Early Childhood Curriculum: Early Mathematics Explorations (12)</td>
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<td>Integrative Early Childhood Curriculum (12)</td>
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<td>Family Studies and Early Childhood Education (12)</td>
<td>Management of Early Childhood Services (12)</td>
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<td></td>
<td>Discipline Foundation Elective (12)</td>
<td>Discipline Foundation Elective (12)</td>
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<td></td>
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<td></td>
<td></td>
<td>288</td>
</tr>
</tbody>
</table>

*Students take Mathematics and Language discipline foundation units, and choose three others from the areas of Language, Studies in Society and Environment, Health and Physical Education, Visual and Performing Arts, Science or Technology. Students receive counselling for their choice in Orientation Week.

**Special Note:** Students will require an extra four weeks (20 days) of Field Service over semesters 4, 5, and 6.
PRB413 Teachers & Isolated Learners 12 3
PRB414 Teaching Strategies 12 3
PRB415 Introduction to Educational Administration 12 3
PRB416 Classroom Assessment Practices 12 3

**Group B: Difference and Diversity Among Learners**

CPB336 Education & Cultural Diversity 12 3
CPB337 Gender & Education 12 3
CPB338 Identifying & Responding to Student Differences 12 3
CPB339 Teaching Aboriginal & Torres Strait Islander Students 12 3
CPB344 Values & Ethics in Teaching 12 3
EDB440 Independent Study (only one permitted) 5 12 3
LEB331 Teaching Children with Low Incidence Disabilities 12 3
LEB332 Teaching Exceptional Students 12 3
LEB337 Gifted Learners 12 3
PRB332 Classroom & Behaviour Management 12 3

**List 3: Curriculum Elective Units**

EAB414 Research in Early Childhood Development & Education 12 4
EAB415 Resource/Support Programs in Early Childhood 12 4
EAB416 Early Childhood Art Education 12 4
EAB417 Creating Curriculum with Young Children 12 4
EAB418 Studies in Narrative for Young Children 12 4
EAB419 Music Education for Diverse Learners 12 4
EAB420 Children, Teachers & the Environment 12 4
EAB421 Everyday Food Learning 12 4
EAB422 Technology & the Young Child 12 4

The following course structure is for students who commenced the BECST in 1996.

<table>
<thead>
<tr>
<th>Year, Semester 1 (completed in 1995)</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tr>
<td>CPB342 Education in Context</td>
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<td>CUB365 Introduction to Professional Practice</td>
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<td>3</td>
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<tr>
<td>EAB320 Early Childhood Transactions 1</td>
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<td>3</td>
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<tr>
<td>MDB302 Mathematics Foundations</td>
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<tr>
<td>Year, Semester 2 (completed in 1995)</td>
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<tr>
<td>EAB302 Early Childhood Foundations 1</td>
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<td>LAB340 Language, Technology &amp; Education</td>
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<td>LEB335 Human Development &amp; Education</td>
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<tr>
<td>MDB303 Science Foundations</td>
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<tr>
<td>Year, Semester 1 (completed in 1996)</td>
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<tr>
<td>CUB350 Early Childhood Practices 1</td>
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<td>EAB303 Early Childhood Foundations 2</td>
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<tr>
<td>EAB309 Integrated Early Childhood Curriculum 1</td>
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<tr>
<td>EAB308 Early Childhood Sciences, Mathematics &amp; Technology</td>
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<td>3</td>
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<td>Year, Semester 2 (completed in 1996)</td>
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<tr>
<td>CUB351 Early Childhood Practices 2</td>
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<tr>
<td>EAB305 Early Childhood Language Education 1</td>
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<td>EAB300 Early Childhood Arts 1</td>
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<td>3</td>
</tr>
<tr>
<td>EAB321 Early Childhood Transactions 2</td>
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<td>Year, Semester 1 (to be done in 1997)</td>
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<tr>
<td>EAB304 Early Childhood Foundations 3</td>
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<td>EAB325 Management of Early Childhood Services</td>
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<td>PRB320 Early Childhood Practices 3</td>
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<td>Year, Semester 2 (to be done in 1997)</td>
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</tr>
<tr>
<td>EAB310 Integrated Early Childhood Curriculum 2</td>
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<td>3</td>
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</tbody>
</table>

5 The unit EDB440 Independent Study may be taken once only. An Independent Study Guide and application are available from the Faculty of Education Office.
Special Note for all BECS Students

BECS graduates wanting to upgrade their qualification at a later date may apply after one year full-time (or equivalent) work experience for entry to a fourth year of study. Information about the structure to be undertaken is shown below. This upgrading year will be offered for the first time in 1999.

**Year 4, Semester 1**
- CPB343 Understanding Educational Practices
- EAB344/1 Early Childhood Foundation Studies
- LEB336 Psychology of Learning & Teaching
- PRB354/1 Early Childhood Professional Practice
- Discipline Minor Unit (See List 4)

**Year 4, Semester 2**
- Education Studies Elective
- EAB344/2 Early Childhood Foundation Studies
- PRB354/2 Early Childhood Professional Practice
- Discipline Minor Unit (See List 4)
- Discipline Minor Unit (See List 4)

**List 4: Discipline Minor Elective Units**

Students choose all three discipline minor units from the one grouping.

**Language**
- LAB321 Writing Workshop
- LAB441 Children’s Literature
- LAB446 Grammar for Writers

**Mathematics**
- MDB347 Excursions in Mathematics
- MDB349 Mathematical Reasoning
- MDB388 Gaming & Chance

**Studies in Society and Environment**
- PRB378 Knowing your Environment
- PRB379 The Consumer, Society & the Environment
- PRB380 Future Societies & Environments – Australia, Asia & the Pacific

**Health and Physical Education**
- HMB313 Socio-Cultural Foundations of Physical Activity
- HMB376 Motor Development in Children
- Plus one of:
  - HMB314 Performance Skills 1
  - HMB315 Performance Skills 2
  - HMB316 Performance Skills 3

**Visual and Performing Arts**
Three level one units from the selected Arts discipline area. Areas available are Music, Visual Arts, Drama and Dance. Students must satisfy any specific entry requirements for Arts units. This could include auditions, portfolios, etc.

**Science**
- MDB389 Life & Living Processes
- MDB390 Natural & Processed Materials
- MDB391 Earth & Space

**Technology**
- MDB392 Educational Computing Environments
- MDB393 Networked Communications
- MDB394 Choosing Software for Educational Contexts
Bachelor of Education (In-service) (ED26)

Location: Kelvin Grove, Carseldine and Gardens Point campuses
Course Duration: 1 year full-time, 2 years part-time or external
Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Dr John Lidstone

Entry requirements
Applicants will be admitted to the course who:
(i) hold a diploma or equivalent at a standard acceptable to the Dean of the Faculty; or
(ii) hold other qualifications and experience acceptable to the Dean.

Course Structure
Compulsory Units
Students must complete at least four units from the Faculty of Education. These four units will include the two existing core units, CPB420 Contemporary Issues in Education and PRB410 Teachers and the Curriculum, plus two electives from the Faculty of Education.

Elective Units
Option 1: Students may undertake four 12 credit point units from the Faculty of Education units listed in the Elective lists or from the following Faculty of Education postgraduate or pre-service courses (subject to course rules):

Graduate Diploma in Education (Preservice)
ED35    GDipEd(Early Childhood)
ED36    GDipEd(Primary)
ED37    GDipEd(Secondary)

Graduate Diploma in Education (Inservice)
ED20    GDipEd(Early Childhood)
ED21    GDipEd(Computer Education)
ED23    GDipEd(Educational Management)
ED25    GDipEd(Teacher-Librarianship)
ED28    GDipEd(Learning Support)

Bachelor of Education (Preservice) Fourth Year Electives
ED50    BEd(Secondary)
ED51    BEd(Primary)
ED52    BEd(Early Childhood)
ED54    BEd(Adult and Workplace Education)

If units are taken from these other courses, students are required to consult the relevant Course Coordinator.

Option 2: Students may undertake four 12 credit point units offered by other Faculties within QUT. Students should ensure that the unit is at an advanced, fourth year, or postgraduate level. Written approval must also be obtained from the Unit Coordinator offering the elective. Under special circumstances, students may be permitted to select units from three-year degrees within the University with the express approval of the Course Coordinator.

Option 3: Students may undertake four 12 credit point units from a combination of Options 1 and 2.

Special Areas of Interest
While the course is designed to allow maximum flexibility in the selection of electives, students may wish to choose a suite of units related to a specific area of interest. Studies in such areas of interest may be of direct relevance to the student’s professional responsibilities, now or in the future, or may provide an introduction to more advanced work at Master of Education level.

Such areas of interest include:
Adult & Workplace Education
Art Education
Arts in Early Childhood
Business Education
### FACULTY OF EDUCATION UNITS

#### Core Units
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<tr>
<td>PRB410</td>
<td>Teachers &amp; the Curriculum</td>
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#### Elective Units
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#### Cultural and Policy Studies
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<tr>
<td>CPB424</td>
<td>Understanding Schools &amp; their Communities</td>
<td>12</td>
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<tr>
<td>CPB426</td>
<td>Using History in Education Research</td>
<td>12</td>
</tr>
<tr>
<td>CPB442</td>
<td>Cultural Diversity &amp; Education</td>
<td>12</td>
</tr>
<tr>
<td>CPB444</td>
<td>Issues in Indigenous Education</td>
<td>12</td>
</tr>
<tr>
<td>CPB446</td>
<td>Gender &amp; Sexuality Issues for Teachers</td>
<td>12</td>
</tr>
<tr>
<td>CPB447</td>
<td>The Pleasure of Teaching &amp; Learning</td>
<td>12</td>
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</tbody>
</table>

#### Professional Studies
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>PRB411</td>
<td>Adult Education</td>
<td>12</td>
</tr>
<tr>
<td>PRB412</td>
<td>Classroom Management: Models &amp; Practice</td>
<td>12</td>
</tr>
<tr>
<td>PRB413</td>
<td>Teachers &amp; Isolated Learners</td>
<td>12</td>
</tr>
<tr>
<td>PRB414</td>
<td>Teaching Strategies</td>
<td>12</td>
</tr>
<tr>
<td>PRB415</td>
<td>Introduction to Educational Administration</td>
<td>12</td>
</tr>
<tr>
<td>PRB416</td>
<td>Classroom Assessment Practices</td>
<td>12</td>
</tr>
<tr>
<td>PRB417</td>
<td>Educators &amp; the Law</td>
<td>12</td>
</tr>
<tr>
<td>PRB419</td>
<td>Environmental Education</td>
<td>12</td>
</tr>
<tr>
<td>PRB420</td>
<td>Business Organisation &amp; Management</td>
<td>12</td>
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#### Early Childhood
<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>EAB410</td>
<td>Early Education: Deciding the Curriculum</td>
<td>12</td>
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<tr>
<td>EAB411</td>
<td>Early Education: Literacy</td>
<td>12</td>
</tr>
<tr>
<td>EAB440</td>
<td>Working with Parents &amp; Community</td>
<td>12</td>
</tr>
<tr>
<td>EAB441</td>
<td>Early Education Development &amp; Learning</td>
<td>12</td>
</tr>
<tr>
<td>EAP551</td>
<td>Dance Education in Early Childhood</td>
<td>12</td>
</tr>
<tr>
<td>EAP552</td>
<td>From Play to Drama in Early Childhood Education</td>
<td>12</td>
</tr>
<tr>
<td>EAP553</td>
<td>Music in Early Childhood Education</td>
<td>12</td>
</tr>
<tr>
<td>EAP554</td>
<td>The Artistic Process &amp; the Visual Arts in Early Childhood Education</td>
<td>12</td>
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</table>

#### Language and Literacy
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>LAB410</td>
<td>Language Curriculum Development &amp; Critiques</td>
<td>12</td>
</tr>
<tr>
<td>LAB440</td>
<td>Trends in the Teaching of Writing</td>
<td>12</td>
</tr>
<tr>
<td>LAB441</td>
<td>Childrens Literature</td>
<td>12</td>
</tr>
<tr>
<td>LAB443</td>
<td>Trends in the Teaching of Reading</td>
<td>12</td>
</tr>
</tbody>
</table>

#### Learning and Development
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>LEB420</td>
<td>Interpersonal Psychology in Education</td>
<td>12</td>
</tr>
<tr>
<td>LEB421</td>
<td>Developing Effective Learning Environments</td>
<td>12</td>
</tr>
</tbody>
</table>

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5 The unit EDB440 Independent Study may be taken once only. An Independent Study Guide and application are available from the Faculty of Education Office.
Bachelor of Education (Adult and Workplace Education) (ED54)

Location: Kelvin Grove campus

Course Duration: 2 years full-time, 4 years part-time or external

Total Credit Points: 384 (192 granted as credit on entry)

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr John Whitta

Associate Course Coordinator: Associate Professor Brian Delahaye

Advanced Standing

Advanced standing of two years full-time or its equivalent part-time will be granted to students entering the course who have completed the equivalent of two years of full-time tertiary study in a discipline area demonstrably relevant to the career path pursued by the applicant, or other studies and work experience considered equivalent by the University.

Course Structure

The structure of this course is comprised of units from three strands of study, namely Education Studies, Curriculum Studies, and Professional Practice.

Students must complete 72 credit points of Education Studies, 72 credit points of Curriculum Studies and 48 credit points of Professional Practice.
## BACHELOR OF EDUCATION (ADULT & WORKPLACE EDUCATION)
### COURSE STRUCTURE FOR FULL-TIME STUDENTS

<table>
<thead>
<tr>
<th>STRAND</th>
<th>YEAR 1</th>
<th>YEAR 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 2</strong></td>
</tr>
<tr>
<td></td>
<td>Adult Education in the Workplace and Community (12)</td>
<td>Adult Learning and Development (12)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Context of Adult and Workplace Education (12)</td>
</tr>
<tr>
<td></td>
<td><strong>Semester 2</strong></td>
<td><strong>Semester 1</strong></td>
</tr>
<tr>
<td></td>
<td>Field Experience 1 (Stage 1) (6)</td>
<td>Field Experience 2 (Stage 2) (6)</td>
</tr>
<tr>
<td></td>
<td><strong>Semester 2</strong></td>
<td><strong>Semester 1</strong></td>
</tr>
<tr>
<td></td>
<td>and Field Experience 3 (Stage 1) (6)</td>
<td>and Field Experience 3 (Stage 2) (6)</td>
</tr>
<tr>
<td></td>
<td>or Professional Practice 1* (12)</td>
<td>or (Secondary Specialisation)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Field Experience 4 (Stage 1 &amp; 2) (12)</td>
</tr>
<tr>
<td></td>
<td><strong>Semester 2</strong></td>
<td><strong>Semester 1</strong></td>
</tr>
<tr>
<td></td>
<td>Orientation to Adult and Workplace Programs (12)</td>
<td>Programming in Adult and Workplace Education (12)</td>
</tr>
<tr>
<td></td>
<td>Instructional Strategies for Adult and Workplace Educators (12)</td>
<td>Elective Unit (12)</td>
</tr>
<tr>
<td></td>
<td>or Secondary Curriculum Unit Part 1* (12)</td>
<td>The Individual in Adult and Workplace Education</td>
</tr>
<tr>
<td></td>
<td></td>
<td>or Secondary Curriculum Unit Part 2* (12)</td>
</tr>
</tbody>
</table>

### DISCIPLINE/CONTENT STUDIES

- **YEAR 1**
  - Adult Education in the Workplace and Community (12)
  - Adult Learning and Development (12)
  - Context of Adult and Workplace Education (12)
  - Field Experience 1 (Stage 1) (6)
  - Field Experience 3 (Stage 1) (6)
  - Professional Practice 1* (12)
  - Orientation to Adult and Workplace Programs (12)
  - Instructional Strategies for Adult and Workplace Educators (12)
  - Secondary Curriculum Unit Part 1* (12)

- **YEAR 2**
  - Field Experience 2 (Stage 2) (6)
  - Field Experience 3 (Stage 2) (6)
  - Professional Practice 1* (12)
  - Programming in Adult and Workplace Education (12)
  - Elective Unit (12)
  - The Individual in Adult and Workplace Education
  - Secondary Curriculum Unit Part 2* (12)

### Footnote
- *Students seeking registration for the secondary school setting through the Queensland Board of Teacher Registration must complete these four units.*

- 192 Credit Points (or equivalent) granted as credit on entry

- 72 Credit Points

- 48 Credit Points

- 72 Credit Points
**Full-Time Course Structure**

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>PRB302 Adult Education in the Workplace &amp; the Community</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB303 Field Experience 1</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>PRB307 Orientation to Adult &amp; Workplace Programs</td>
<td>12</td>
<td>3</td>
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</tbody>
</table>

Select one unit from the following:

| PRB309 Instructional Strategies for Adult & Workplace Educators | 12 | 3 |
| Secondary Curriculum Unit Part 1 (Secondary Specialisation) (See List 3) | 12 |

**Year 1, Semester 2**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPB340 Context of Adult &amp; Workplace Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB308 The Group in Adult &amp; Workplace Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LEB333 Adult Learning &amp; Development</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Select either:

| PRB304/1 Field Experience 2 | 12 | 6 |
| and |
| PRB305/1 Field Experience 3 | 6 |
| OR |
| PRB324 Professional Practice 1 (Secondary Specialisation) | 12 |

**Year 2, Semester 1**

Select either:

| PRB304/2 Field Experience 2 | 6 |
| and |
| PRB305/2 Field Experience 3 | 6 |
| or (Secondary Specialisation) |
| PRB305/1 Field Experience 3 | 6 |
| and |
| PRB305/2 Field Experience 3 | 6 |
| PRB310 Programming in Adult & Workplace Education | 12 | 3 |
| PRB376 Organisation & Administration of Adult and Workplace Education | 12 | 3 |
| Education Studies Elective Unit 1 (See List 2) | 12 |

**Year 2, Semester 2**

| Curriculum Studies Elective Unit (See List 1) | 12 |
| Education Studies Elective Unit 2 (See List 2) | 12 | 3 |

Select one unit from the following:

| LEB338 The Individual in Adult & Workplace Education | 12 | 3 |
| Secondary Curriculum Unit Part 2 (Secondary Specialisation) (See List 3) | 12 |

Select one unit from the following:

| PRB306 Field Experience 4 | 12 |
| PRB326 Professional Practice 3 | 12 | 3 |

**Part-Time/External Course Structure**

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>PRB302 Adult Education in the Workplace &amp; Community</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB307 Orientation to Adult &amp; Workplace Programs</td>
<td>12</td>
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<table>
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<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>PRB309 Instructional Strategies for Adult &amp; Workplace Educators</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LEB333 Adult Learning &amp; Development</td>
<td>12</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>PRB303 Field Experience 1</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>PRB308 The Group in Adult &amp; Workplace Education</td>
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<td>3</td>
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<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>CPB340 Context of Adult &amp; Workplace Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB304/1 Field Experience 2</td>
<td>6</td>
<td></td>
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</table>

12 Students seeking registration for the secondary school setting (Queensland Board of Teacher Registration) must complete these four units.
## BACHELOR OF EDUCATION (ADULT & WORKPLACE EDUCATION)
### COURSE STRUCTURE PART-TIME/EXTERNAL STUDENTS

<table>
<thead>
<tr>
<th>STRAND</th>
<th>YEAR 1</th>
<th>YEAR 2</th>
<th>YEAR 3</th>
<th>YEAR 4</th>
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<tr>
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<td>Semester 2: Field Experience 1 (12)</td>
<td>Semester 2: Field Experience 2 (Stage 1) (6)</td>
<td>Semester 2: Field Experience 2 (Stage 2) (6)</td>
<td>Semester 2: Field Experience 3 (Stage 1) (6)</td>
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<td>Semester 2: Field Experience 3 (Stage 2) (6)</td>
<td>Semester 2: Field Experience 3 (Stage 2) (6)</td>
<td>Semester 2: Field Experience 4 (12)</td>
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<td></td>
<td>Semester 2: Elective Unit (12)</td>
<td>Semester 2: Elective Unit (12)</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Semester 2: Orientation to Adult and Workplace Programs (12)</td>
<td>Semester 2: Instructional Strategies for Adult and Workplace Educators (12)</td>
<td>Semester 2: The Group in Adult and Workplace Education (12)</td>
<td>Semester 2: Programming in Adult and Workplace Education (12)</td>
</tr>
<tr>
<td></td>
<td>Semester 2: Field Experience 2 (Stage 2) (6)</td>
<td>Semester 2: Field Experience 3 (Stage 2) (6)</td>
<td>Semester 2: Field Experience 4 (12)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDUCATION STUDIES</td>
<td>72 Credit Points</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PROFESSIONAL PRACTICE</td>
<td>48 Credit Points</td>
<td></td>
<td></td>
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<tr>
<td>CURRICULUM STUDIES</td>
<td>72 Credit Points</td>
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### Year 3, Semester 1

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>PRB310</td>
<td>Programming in Adult &amp; Workplace Education</td>
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<tr>
<td>PRB376</td>
<td>Organisation &amp; Administration of Adult &amp; Workplace Education</td>
<td>12</td>
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<tr>
<td>PRB304/2</td>
<td>Field Experience 2</td>
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### Year 3, Semester 2

<table>
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<td>PRB305/1</td>
<td>Field Experience 3</td>
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</tr>
<tr>
<td>LEB338</td>
<td>The Individual in Adult &amp; Workplace Education</td>
<td>12</td>
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### Year 4, Semester 1

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td></td>
<td>Curriculum Studies Elective Unit (See List 1)</td>
<td>12</td>
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<tr>
<td></td>
<td>Education Studies Elective Unit 1 (See List 2)</td>
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</tr>
<tr>
<td>PRB305/2</td>
<td>Field Experience 3</td>
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### Year 4, Semester 2

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>PRB305/2</td>
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#### List 1: Curriculum Studies Elective Units

<table>
<thead>
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<th>Code</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDB440</td>
<td>Independent Study</td>
<td>12</td>
</tr>
<tr>
<td>LAB339</td>
<td>Adult Literacy &amp; Second Language Learners</td>
<td>12</td>
</tr>
<tr>
<td>LEB334</td>
<td>Acquisition &amp; Adaptability of Workplace Knowledge &amp; Skills</td>
<td>12</td>
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<tr>
<td>MDB382</td>
<td>Problem Solving, Critical Thinking &amp; Futuring</td>
<td>12</td>
</tr>
<tr>
<td>PRB312</td>
<td>Open Learning &amp; Flexible Delivery</td>
<td>12</td>
</tr>
<tr>
<td>PRB419</td>
<td>Environmental Education</td>
<td>12</td>
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</table>

### List 2: Education Studies Elective Units

Select two electives from the following three sets. Up to two may be chosen from any set.

#### Group A: Professional Work of Educators

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPB330</td>
<td>Aboriginal &amp; Torres Strait Islander Education Policy</td>
<td>12</td>
</tr>
<tr>
<td>CPB331</td>
<td>Asian Culture &amp; Education</td>
<td>12</td>
</tr>
<tr>
<td>CPB333</td>
<td>Powerful Teachers, Powerful Students</td>
<td>12</td>
</tr>
<tr>
<td>CPB442</td>
<td>Cultural Diversity &amp; Education</td>
<td>12</td>
</tr>
<tr>
<td>CPB446</td>
<td>Gender &amp; Sexuality Issues for Teachers</td>
<td>12</td>
</tr>
<tr>
<td>EDB440</td>
<td>Independent Study</td>
<td>12</td>
</tr>
<tr>
<td>LAB346</td>
<td>Case Studies in Adult &amp; Family Literacy</td>
<td>12</td>
</tr>
<tr>
<td>LAB347</td>
<td>Teaching Students from Non-English Speaking Backgrounds</td>
<td>12</td>
</tr>
<tr>
<td>LEB441</td>
<td>Educational Counselling</td>
<td>12</td>
</tr>
<tr>
<td>LEB443</td>
<td>Human Sexuality &amp; Learning</td>
<td>12</td>
</tr>
<tr>
<td>LEB444</td>
<td>Human Sexuality &amp; Development</td>
<td>12</td>
</tr>
<tr>
<td>LEB480</td>
<td>Research Methods in Education</td>
<td>12</td>
</tr>
<tr>
<td>MDB300</td>
<td>Teaching in the Information Age</td>
<td>12</td>
</tr>
<tr>
<td>PRB300</td>
<td>Education, Law &amp; the Beginning Teacher</td>
<td>12</td>
</tr>
<tr>
<td>PRB331</td>
<td>Learning/Teaching Environments</td>
<td>12</td>
</tr>
<tr>
<td>PRB413</td>
<td>Teachers as Isolated Learners</td>
<td>12</td>
</tr>
<tr>
<td>PRB414</td>
<td>Teaching Strategies</td>
<td>12</td>
</tr>
<tr>
<td>PRB415</td>
<td>Introduction to Educational Administration</td>
<td>12</td>
</tr>
<tr>
<td>PRB416</td>
<td>Classroom Assessment Practices</td>
<td>12</td>
</tr>
</tbody>
</table>

#### Group B: Difference and Diversity Among Learners

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPB336</td>
<td>Education &amp; Cultural Diversity</td>
<td>12</td>
</tr>
<tr>
<td>CPB337</td>
<td>Gender &amp; Education</td>
<td>12</td>
</tr>
<tr>
<td>CPB338</td>
<td>Identifying &amp; Responding to Student Differences</td>
<td>12</td>
</tr>
<tr>
<td>CPB339</td>
<td>Teaching Aboriginal &amp; Torres Strait Islander Students</td>
<td>12</td>
</tr>
<tr>
<td>CPB344</td>
<td>Values &amp; Ethics in Teaching</td>
<td>12</td>
</tr>
<tr>
<td>EDB440</td>
<td>Independent Study (only one permitted)</td>
<td>12</td>
</tr>
<tr>
<td>LEB331</td>
<td>Teaching Children with Low Incidence Disabilities</td>
<td>12</td>
</tr>
<tr>
<td>LEB332</td>
<td>Teaching Exceptional Students</td>
<td>12</td>
</tr>
<tr>
<td>LEB337</td>
<td>Gifted Learners</td>
<td>12</td>
</tr>
<tr>
<td>PRB332</td>
<td>Classroom &amp; Behaviour Management</td>
<td>12</td>
</tr>
</tbody>
</table>

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The unit EDB440 Independent Study may be taken once only. An Independent Study Guide and application are available from the Faculty of Education Office.
Group C: Post-compulsory Education

CPB341 Community, Leadership & Citizenship 12 3
MDB381 Science & Technology in the Community & Workplace 12 3
PRB311 Law in the Adult & Workplace Environment 12 3

List 3: Secondary Curriculum Studies Units

Students complete two Curriculum Studies units corresponding to the discipline area they select.

AAB412 Art Curriculum Studies 1 12 3
AAB413 Art Curriculum Studies 2 12 3
AAB414 Drama Curriculum Studies 1 12 3
AAB415 Drama Curriculum Studies 2 12 3
HMB310 Physical Education Curriculum Studies 1 12 3
HMB340 Physical Education Curriculum Studies 1B 12 3
HMB370 Physical Education Curriculum Studies 2 12 3
HMB380 Physical Education Curriculum Studies 2B 12 3
HMB390 Health Education Curriculum Studies 1 12 3
HMB395 Health Education Curriculum Studies 2 12 3
LAB325 English Curriculum Studies 1 12 3
LAB326 English Curriculum Studies 2 12 3
LAB327 Film & Media Curriculum Studies 1 12 3
LAB328 Film & Media Curriculum Studies 2 12 3
LAB329 LOTE Curriculum Studies 1 12 3
LAB330 LOTE Curriculum Studies 2 12 3
MDB325 Biology Curriculum Studies 1 12 3
MDB326 Biology Curriculum Studies 2 12 3
MDB327 Chemistry Curriculum Studies 1 12 3
MDB328 Chemistry Curriculum Studies 2 12 3
MDB329 Computing Curriculum Studies 1 12 3
MDB330 Computing Curriculum Studies 2 12 3
MDB331 Earth Science Curriculum Studies 1 12 3
MDB332 Earth Science Curriculum Studies 2 12 3
MDB333 Mathematics Curriculum Studies 1 12 3
MDB334 Mathematics Curriculum Studies 2 12 3
MDB335 Physics Curriculum Studies 1 12 3
MDB336 Physics Curriculum Studies 2 12 3
MDB337 Science Curriculum Studies 1 12 3
MDB338 Science Curriculum Studies 2 12 3
PUB312 Home Economics Curriculum Studies 1 12 3
PUB322 Home Economics Curriculum Studies 2 12 3
PRB355 Accounting/Business Management Curriculum Studies 1 12 3
PRB356 Accounting/Business Management Curriculum Studies 2 12 3
PRB357 Business Communication Technologies Curriculum Studies 1 12 3
PRB358 Business Communication Technologies Curriculum Studies 2 12 3
PRB359 Economics Curriculum Studies 1 12 3
PRB360 Economics Curriculum Studies 2 12 3
PRB361 Geography Curriculum Studies 1 12 3
PRB362 Geography Curriculum Studies 2 12 3
PRB363 History Curriculum Studies 1 12 3
PRB364 History Curriculum Studies 2 12 3
PRB365 Legal Studies Curriculum Studies 1 12 3
PRB366 Legal Studies Curriculum Studies 2 12 3
PRB367 Social Science Curriculum Studies 1 12 3
PRB368 Social Science Curriculum Studies 2 12 3
Bachelor of Education (Early Childhood) (ED52)

Location: Kelvin Grove campus
Course Duration: 4 years full-time
Total Credit Points: 384
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Mr John Whitta
Associate Course Coordinator: To be advised

Course Structure
The following course structure is for students who have commenced Year 1 from 1996 onwards. Students in years three and four in 1997 will continue in their current program (please see the end of this section).

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1, Semester 1</td>
<td></td>
</tr>
<tr>
<td>CPB342 Education in Context</td>
<td>12</td>
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<tr>
<td>EAB341/1 Early Childhood Foundations 1&lt;sup&gt;13&lt;/sup&gt;</td>
<td>6</td>
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<tr>
<td>MDB386 Mathematics Foundations</td>
<td>12</td>
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<tr>
<td>PRB351/1 Early Childhood Professional Practice 1&lt;sup&gt;13&lt;/sup&gt;</td>
<td>6</td>
</tr>
<tr>
<td>Discipline Foundation Elective (See List 1)</td>
<td>12</td>
</tr>
<tr>
<td>Year 1, Semester 2</td>
<td></td>
</tr>
<tr>
<td>LEB335 Human Development &amp; Education</td>
<td>12</td>
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<tr>
<td>EAB341/2 Early Childhood Foundations 1&lt;sup&gt;13&lt;/sup&gt;</td>
<td>6</td>
</tr>
<tr>
<td>LAB344 Language &amp; Literacy Foundations</td>
<td>12</td>
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<tr>
<td>PRB351/2 Early Childhood Professional Practice 1&lt;sup&gt;13&lt;/sup&gt;</td>
<td>6</td>
</tr>
<tr>
<td>Discipline Foundation Elective (See List 1)</td>
<td>12</td>
</tr>
</tbody>
</table>

Students entering the second year of the course, and who are carrying no more than two failed units from their study in the first year of the course, will have the option to apply to transfer into the Bachelor of Early Childhood Studies (BECST) course for their fourth semester of study. The BECS course will provide its graduates with a three-year qualification that will enable them to be employed in the child care sector only. Students will not be eligible for registration as a teacher. The BECS course will be of three years’ duration, comprising the first three semesters of the Bachelor of Education (Early Childhood) (ED52) and a selection of studies from the remainder of the Bachelor of Education (Early Childhood). Interested applicants should refer to the BECS section of this Handbook for detail on the relevant course structure.

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>Year 2, Semester 1</td>
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<tr>
<td>EAB342/1 Early Childhood Foundations 2&lt;sup&gt;13&lt;/sup&gt;</td>
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<tr>
<td>EAB345 Early Childhood Curriculum: Language Education</td>
<td>12</td>
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<tr>
<td>EAB346 Early Childhood Curriculum: Science/Society &amp; the Environment</td>
<td>12</td>
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<tr>
<td>EAB351 Family Studies &amp; Early Childhood Education</td>
<td>12</td>
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<tr>
<td>PRB352/1 Early Childhood Professional Practice 2&lt;sup&gt;13&lt;/sup&gt;</td>
<td>6</td>
</tr>
<tr>
<td>Year 2, Semester 2</td>
<td></td>
</tr>
<tr>
<td>EAB342/2 Early Childhood Foundations 2&lt;sup&gt;13&lt;/sup&gt;</td>
<td>6</td>
</tr>
<tr>
<td>EAB347 Early Childhood Curriculum: Early Mathematics Explorations</td>
<td>12</td>
</tr>
<tr>
<td>EAB348 Early Childhood Curriculum: Arts</td>
<td>12</td>
</tr>
<tr>
<td>PRB352/2 Early Childhood Professional Practice 2&lt;sup&gt;13&lt;/sup&gt;</td>
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<tr>
<td>Discipline Foundation Elective (See List 1)</td>
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<tr>
<td>Year 3, Semester 1</td>
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<tr>
<td>LEB336 Psychology of Learning &amp; Teaching</td>
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<tr>
<td>EAB343/1 Early Childhood Foundations 3&lt;sup&gt;13&lt;/sup&gt;</td>
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<td>EAB349 Advanced Early Childhood Curriculum: Arts</td>
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<td>PRB353/1 Early Childhood Professional Practice 3&lt;sup&gt;13&lt;/sup&gt;</td>
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</tr>
</tbody>
</table>

<sup>13</sup> Full year unit worth a total of 12 credit points.
### BACHELOR OF EDUCATION (EARLY CHILDHOOD)

#### COURSE STRUCTURE FOR STUDENTS WHO COMMENCED YEAR 1 FROM 1996 ONWARDS

Students take Mathematics and Language discipline Foundation units, and choose three others from the areas of Language, Studies in Society and Environment, Health and Physical Education, Visual and Performing Arts, Science or Technology. Students receive counselling for their choice in Orientation Week.

<table>
<thead>
<tr>
<th>Year 1</th>
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<th>Year 3</th>
<th>Year 4</th>
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<tbody>
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<td><strong>Semester 1</strong></td>
<td><strong>Semester 2</strong></td>
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<td><strong>PROFESSIONAL PRACTICE</strong></td>
<td><strong>CURRICULUM STUDIES</strong></td>
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<tr>
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**YEAR 3**

<table>
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<tr>
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</tr>
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<td>EDUCATION</td>
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</tr>
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<td>PROFESSIONAL</td>
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<tr>
<td>PRACTICE</td>
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<tr>
<td>CURRICULUM</td>
<td>CURRICULUM</td>
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<tr>
<td>STUDIES</td>
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**YEAR 4**

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<td><strong>PROFESSIONAL PRACTICE</strong></td>
</tr>
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</tr>
<tr>
<td>STUDIES</td>
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<tr>
<td>PROFESSIONAL</td>
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<td>PRACTICE</td>
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<tr>
<td>CURRICULUM</td>
<td>CURRICULUM</td>
</tr>
<tr>
<td>STUDIES</td>
<td>STUDIES</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>TOTAL</strong></td>
</tr>
</tbody>
</table>

*Students take Mathematics and Language discipline Foundation units, and choose three others from the areas of Language, Studies in Society and Environment, Health and Physical Education, Visual and Performing Arts, Science or Technology. Students receive counselling for their choice in Orientation Week.*
### Year 3, Semester 2

<table>
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<tr>
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<td>Understanding Educational Practices</td>
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<td>3</td>
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<tr>
<td>EAB343/2</td>
<td>Early Childhood Foundations 3(^{13})</td>
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<tr>
<td>EAB350</td>
<td>Advanced Early Childhood Curriculum: Literacy &amp; Numeracy in the Early Years</td>
<td>12</td>
<td>4</td>
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<tr>
<td>PRB353/2</td>
<td>Early Childhood Professional Practice 3(^{13})</td>
<td>6</td>
<td>2.5</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>RTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discipline Minor (See List 2)</td>
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### Year 4, Semester 1

<table>
<thead>
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<th>Course Title</th>
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<tbody>
<tr>
<td>EAB344/2</td>
<td>Early Childhood Foundations 4(^{13})</td>
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<tr>
<td>EAB412</td>
<td>Integrative Early Childhood Curriculum</td>
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<td>4</td>
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<td>EAB413</td>
<td>Management of Early Childhood Services</td>
<td>12</td>
<td>3</td>
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<tr>
<td>PRB354/1</td>
<td>Early Childhood Professional Practice 4(^{13})</td>
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### Year 4, Semester 2

<table>
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<th>Credits</th>
<th>RTP</th>
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<tbody>
<tr>
<td>PRB354/2</td>
<td>Early Childhood Professional Practice 4(^{13})</td>
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<td>2.5</td>
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<tr>
<td>EAB344/2</td>
<td>Early Childhood Foundations 4(^{13})</td>
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<tr>
<td>Early Childhood Curriculum Elective (See List 4)</td>
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<td>4</td>
<td></td>
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</tbody>
</table>

### List 1: Discipline Foundation Elective Units

#### Studies in Society and Environment
- PRB371 Social & Environmental Foundations | 12 | 3 |

#### Health and Physical Education
- HMB171 Fitness, Health & Wellness | 12 | 3 |

#### Visual and Performing Arts
- AAB918 Arts Foundations Studies | 12 | 3 |

#### Science
- MDB387 Science Foundations | 12 | 3 |

#### Technology
- MDB385 Information Technologies in Education | 12 | 3 |

### List 2: Discipline Minor Elective Units

#### Language
- LAB441 Children’s Literature | 12 | 3 |
- LAB446 Grammar for Writers | 12 | 3 |
- LAB321 Writing Workshop | 12 | 3 |

#### Mathematics
- MDB347 Excursions in Mathematics | 12 | 3 |
- MDB388 Gaming & Chance | 12 | 3 |
- MDB349 Mathematical Reasoning | 12 | 3 |

#### Studies of Society and Environment
- PRB378 Knowing your Environment | 12 | 3 |
- PRB379 The Consumer, Society & the Environment | 12 | 3 |
- PRB380 Future Societies & Environments – Australia, Asia & the Pacific | 12 | 3 |

#### Health and Physical Education
- HMB313 Socio-Cultural Foundations of Physical Activity | 12 | 4 |
- HMB376 Motor Development in Children | 12 | 4 |

Plus one of:
- HMB314 Performance Skills 1 | 12 | 6 |
- HMB315 Performance Skills 2 | 12 | 6 |
- HMB316 Performance Skills 3 | 12 | 6 |

#### Visual and Performing Arts

Three level one units from the selected Arts discipline area. Areas available are Music, Visual Arts, Drama and Dance. Students must satisfy any specific entry requirements for Arts units. This could include auditions, portfolios, etc.

\(^{13}\) Full year unit worth a total of 12 credit points.
# Bachelor of Education (Early Childhood)
## Course Structure for Continuing Students in 1997

<table>
<thead>
<tr>
<th>STRAND</th>
<th>YEAR 1</th>
<th>YEAR 2</th>
<th>YEAR 3</th>
<th>YEAR 4</th>
<th>TOTAL</th>
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<tbody>
<tr>
<td></td>
<td>Semester 1</td>
<td>Semester 2</td>
<td>Semester 1</td>
<td>Semester 2</td>
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<tr>
<td><strong>EDUCATION STUDIES</strong></td>
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</tr>
<tr>
<td><strong>PROFESSIONAL PRACTICE</strong></td>
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</tr>
<tr>
<td></td>
<td>Year 1</td>
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<td>completed in 1995</td>
<td>completed in 1996</td>
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<td><strong>CURRICULUM STUDIES</strong></td>
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<tr>
<td><strong>DISCIPLINE/CONTENT STUDIES</strong></td>
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<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

+ These elective units may be taken in a variety of Schools and Faculties.

* Credit points for field experience come from the Education studies in the corresponding component.

# These units include a component of campus-based study.
**Science**

MDB389  Life & Living Processes  12  3  
MDB390  Natural & Processed Materials  12  3  
MDB391  Earth & Space  12  3  

**Technology**

MDB392  Educational Computing Environments  12  3  
MDB393  Networked Communications  12  3  
MDB394  Choosing Software for Educational Contexts  12  3  

**List 3: Education Studies Elective Units**

Students select one unit from Group A and one unit from Group B.

**Group A: Professional Work of Educators**

CPB330  ATSI Education Policy  12  3  
CPB331  Asian Culture & Education  12  3  
CPB334  Powerful Teachers, Powerful Students  12  3  
CPB442  Cultural Diversity & Education  12  3  
CPB446  Gender & Sexuality Issues for Teachers  12  3  
EDB440  Independent Study$^5$  12  3  
LAB346  Case Studies in Adult & Family Literacy  12  3  
LAB347  Teaching Students from Non-English Speaking Backgrounds  12  3  
LEB441  Education Counselling  12  3  
LEB443  Human Sexuality & Learning  12  3  
LEB444  Human Sexuality & Development  12  3  
LEB480  Research Methods in Education  12  3  
MDB300  Teaching in the Information Age  12  3  
PRB300  Education Law & the Beginning Teacher  12  3  
PRB331  Learning/Teaching Environments  12  3  
PRB413  Teachers as Isolated Learners  12  3  
PRB414  Teaching Strategies  12  3  
PRB415  Introduction to Educational Administration  12  3  
PRB416  Classroom Assessment Practices  12  3  

**Groups B: Difference and Diversity Among Learners**

CPB336  Education & Cultural Diversity  12  3  
CPB337  Gender & Education  12  3  
CPB338  Identifying & Responding to Student Differences  12  3  
CPB339  Teaching Aboriginal & Torres Strait Islander Students  12  3  
CPB344  Values & Ethics in Teaching  12  3  
EDB440  Independent Study (only one permitted)$^5$  12  3  
LEB331  Teaching Children with Low Incidence Disabilities  12  3  
LEB332  Gifted Learners  12  3  
PRB332  Classroom & Behaviour Management  12  3  

**List 4: Curriculum Elective Units**

EAB414  Research in Early Childhood Development & Education  12  4  
EAB415  Resource/Support Programs in Early Childhood  12  4  
EAB416  Early Childhood Art Education  12  4  
EAB417  Creating Curriculum with Young Children  12  4  
EAB418  Studies in Narrative for Young Children  12  4  
EAB419  Music Education for Diverse Learners  12  4  
EAB420  Children, Teachers & the Environment  12  4  
EAB421  Everyday Food Learning  12  4  
EAB422  Technology & the Young Child  12  4  
EDB440  Independent Study$^5$  12  3  

**Course Structure for Continuing Students in Years Three and Four in 1997**

Students who commenced the course prior to 1996 but failed to complete LAB340 Language, Technology and Education, the code has changed to LAB341. Please refer to page 438 for the course structure.

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$^5$ The unit EDB440 Independent Study may be taken once only. An Independent Study Guide and application are available from the Faculty of Education Office.
Year 3, Semester 1

CPB343 Understanding Educational Practices 12 3
EAB304 Early Childhood Foundations 3 12 3
LEB336 Psychology of Learning & Teaching 12 3
PRB320 Early Childhood Practices 3 12 2.5

Year 3, Semester 2

EAB300 Early Childhood Arts 1 12 3
EAB307 Early Childhood Mathematics Education 12 3
PRB321 Early Childhood Practices 4 12 2.5
Elective Unit 2 (see List 5) 12 3

Year 4, Semester 1

EAB301 Early Childhood Arts 2 12 3
EAB306 Early Childhood Language Education 2 12 3
PRB322 Early Childhood Practices 5 12 2.5
Elective Unit 3 (see List 6) 12 3

Year 4, Semester 2

EAB310 Integrated Early Childhood Curriculum 2 12 3
PRB323 Early Childhood Practices 6 12 2.5
Education Studies Elective Unit (see List 3) 12 3
Education Studies Elective Unit (see List 3) 12 3

List 5: Elective Units 1 and 2

EAB312 Case Studies in Early Childhood & Family Literacy 12 3
EAB313 Children’s Literature for Early Childhood Settings 12 3
EAB314 Children, Teachers & the Environment 12 3
EAB315 Creating Curriculum with Young Children 12 3
EAB317 Early Childhood Drama in Education 12 3
EAB323 Everyday Food & Science for Young Children 12 3
EAB326 Music Education & Young Children 12 3
EAB329 Routines for Inclusive Early Childhood Curriculum 12 3
EAB330 Storytelling in Early Childhood 12 3
EAB331 Technology & the Young Child 12 3

List 6: Elective Unit 3

EAB311 Alternative Programs in Early Childhood 12 3
EAB316 Early Childhood Art Education 12 3
EAB318 Early Childhood Education & Family Issues in Australia 12 3
EAB319 Early Childhood Socio-Cultural Contexts 12 3
EAB322 Ethical Responsibilities in Early Childhood 12 3
EAB324 Integrating Young Children with Disabilities into Early Childhood Programs 12 3
EAB325 Management of Early Childhood Services 12 3
EAB328 Research in Early Childhood Development 12 3
EAB332 Technology in Early Childhood Contexts 12 3

Bachelor of Education (Preservice Early Childhood) (ED53)

Location: Kelvin Grove campus
Course Duration: 4 years part-time external
Total Credit Points: 192
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Mr John Whitta
Associate Course Coordinator: Dr June Kean

Entry requirements
Admission is dependent upon the award of 192 credit points for unspecified units. Entry is restricted to applicants who are graduates of TAFE Associate Diploma in Education (Child Care) or equivalent and relevant two-year tertiary-level courses, and who have had the equivalent of two years’ full-time employment in early childhood care and education services.
Special note: Provision will be made in this course for the equivalent of a three-year exit point. This is currently being developed.

<table>
<thead>
<tr>
<th>Course Structure</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td><strong>Year 1, Semester 2 (mid-year entry)</strong></td>
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</tr>
<tr>
<td>EAB334 Early Childhood Foundations A</td>
<td>12</td>
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<tr>
<td>EAB340 Programs for Infants &amp; Toddlers</td>
<td>12</td>
</tr>
<tr>
<td><strong>Year 2, Semester 1</strong></td>
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<tr>
<td>EAB308 Early Childhood Sciences, Mathematics &amp; Technology</td>
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<tr>
<td>EAB335 Early Childhood Language &amp; Arts Education 1</td>
<td>12</td>
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<td><strong>Year 2, Semester 2</strong></td>
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<td>EAB324 Integrating Young Children with Special Needs into Early Childhood Programs</td>
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<td>EAB325 Management of Early Childhood Services</td>
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<tr>
<td>EAB333 Early Childhood Education: Community Context</td>
<td>12</td>
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<tr>
<td>PRB340 Practice Teaching 1 (0-5 years)</td>
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<td>EAB336 Early Childhood Foundations B</td>
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<td>LEB336 Psychology of Learning &amp; Teaching</td>
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<td><strong>Year 4, Semester 1</strong></td>
<td></td>
</tr>
<tr>
<td>CPB343 Understanding Educational Practices</td>
<td>12</td>
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<tr>
<td>EAB337 Integrated Early Childhood Curriculum</td>
<td>12</td>
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<td><strong>Year 4, Semester 2</strong></td>
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<tr>
<td>CPB444 Issues in Indigenous Education</td>
<td>12</td>
</tr>
<tr>
<td>PRB341 Practice Teaching 2 (0-5 years)</td>
<td>12</td>
</tr>
<tr>
<td><strong>Year 5, Semester 1</strong></td>
<td></td>
</tr>
<tr>
<td>EAB338 Early Childhood Language &amp; Arts Education 2</td>
<td>12</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>Negotiated other Bachelor of Education (Inservice) (ED26) unit</td>
<td>12</td>
</tr>
<tr>
<td>PRB342 Practice Teaching 3 (alternative settings)</td>
<td>12</td>
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</tbody>
</table>

**Transition Arrangements for 1994 ED42 Bachelor of Teaching (Childcare Upgrade) – Entrants who moved into ED53 Bachelor of Education (Early Childhood) External in 1996**

1996, Semester 2

| EAB336 Early Childhood Foundations B | 12 |
| PRB340 Practice Teaching 1 (20 days) (0-5 years) | 12 |

1997, Semester 1

| EAB308 Early Childhood Science, Mathematics & Technology | 12 |
| EAB335 Early Childhood Language & Arts Education 1 | 12 |

1997, Semester 2

| PRB341 Practice Teaching 2 (20 days) (0-5 years) | 12 |
| CPB444 Issues in Indigenous Education | 12 |

1998, Semester 1

| PRB342 Practice Teaching 3 (20 days) (Alternative Settings) | 12 |
| EAB338 Early Childhood Language & Arts Education 2 | 12 |
| OR | |
| Negotiated other BEd (Inservice) unit | 12 |

**Credit from Bachelor of Teaching (Child Care Upgrade)**

Students who have transferred into the course from the Bachelor of Teaching (Child Care Upgrade) course will be eligible for credit for units passed. Students should apply officially for this credit via the Credit Office.
# Bachelor of Education (Preservice Early Childhood)

## Course Structure

<table>
<thead>
<tr>
<th>STRAND</th>
<th>YEAR 1</th>
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<th>YEAR 3</th>
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<td></td>
<td>EAB308 Early Childhood Sciences, Maths and Technology (12)</td>
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<td>DISCIPLINE/CONTENT STUDIES</td>
<td>EAB340 Programs for Infants and Toddlers (12)</td>
<td>EAB325 Management of Early Childhood Services (12)</td>
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</table>

## Course Details
- **EAB333**: Early Childhood Education: Community Context (12)
- **LEB336**: Psychology of Learning and Teaching (12)
- **CPB343**: Understanding Educational Practices (12)
- **CPB444**: Issues in Indigenous Education (12)
- **CUB368**: Practice Teaching 1 (0-5 years) 20 days (12)
- **CPB343**: Understanding Educational Practices (12)
- **CUB369**: Practice Teaching 2 (0-5 years) 20 days (12)
- **CUB370**: Practice Teaching 3 (Alternative Settings) 20 days (12)
- **EAB334**: Early Childhood Foundations A (12)
- **EAB335**: Early Childhood Language & Arts Education 1 (12)
- **EAB336**: Early Childhood Foundations B (12)
- **EAB337**: Integrated Early Childhood Curriculum OR BEd (Inservice) unit (12)
- **EAB338**: Early Childhood Language & Arts Education 2 OR BEd (Inservice) unit (12)
- **EAB340**: Programs for Infants and Toddlers (12)
- **EAB325**: Management of Early Childhood Services (12)
- **EAB324**: Integrating Young Children with Special Needs in Early Childhood Programs (12)
Transition Arrangements for 1995 ED42 Bachelor of Teaching (Child Care Upgrade) Entrants who moved into ED53 Bachelor of Education (Early Childhood) External in 1996

Credit Points

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
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<tbody>
<tr>
<td>1996, Semester 2</td>
<td>EAB340</td>
<td>Programs for Infants &amp; Toddlers</td>
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<td>EAB336</td>
<td>Early Childhood Foundations B</td>
<td>12</td>
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<td>1997, Semester 1</td>
<td>PRB340</td>
<td>Practice Teaching 1 (20 days) (0-5 years)</td>
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<td>EAB335</td>
<td>Early Childhood Language &amp; Arts Education 1</td>
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<td>1997, Semester 2</td>
<td>EAB324</td>
<td>Integrating Young Children with Special Needs in Early Childhood Programs</td>
<td>12</td>
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<tr>
<td></td>
<td>EAB325</td>
<td>Management of Early Childhood Services</td>
<td>12</td>
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<tr>
<td>1998, Semester 1</td>
<td>EAB308</td>
<td>Early Childhood Sciences, Mathematics &amp; Technology</td>
<td>12</td>
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<td>EAB337</td>
<td>Integrated Early Childhood Curriculum</td>
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<td>1998, Semester 2</td>
<td>CPB444</td>
<td>Issues in Indigenous Education</td>
<td>12</td>
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<td></td>
<td>PRB341</td>
<td>Practice Teaching 2 (20 days) (0-5 years)</td>
<td>12</td>
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<td>1999, Semester 1</td>
<td>EAB338</td>
<td>Early Childhood Language &amp; Arts Education 2</td>
<td>12</td>
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<td></td>
<td>OR</td>
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<tr>
<td></td>
<td>PRB342</td>
<td>Practice Teaching 3 (20 days) (alternative settings)</td>
<td>12</td>
</tr>
</tbody>
</table>

Credit from Bachelor of Teaching (Child Care Upgrade)

Students who have transferred into the course from the Bachelor of Teaching (Child Care Upgrade) course will be eligible for credit for units passed. Students should apply officially for this credit via the Credit Office.

Bachelor of Education (Primary) (ED51)

Location: Kelvin Grove campus

Course Duration: 4 years full-time

Total Credit Points: 384

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr John Whitta

Associate Course Coordinator: Ms Tania Aspland

Course Structure

The following course structure is for students who have commenced Year 1 from 1996 onwards. Students in years three and four in 1997 will continue in their current program (please see the end of this section).

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>Choose one of:</td>
<td></td>
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<tr>
<td>CPB342 Education in Context</td>
<td>12</td>
<td>3</td>
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<tr>
<td>OR CPB345 Indigenous Culture &amp; Identity in the Australian Context(^{14})</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LAB344 Language &amp; Literacy Foundations</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LEB335 Human Development &amp; Education</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MDB385 Information Technologies in Education</td>
<td>12</td>
<td>3</td>
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</tbody>
</table>

\(^{14}\) Students who took CPB345 in their first year of study now pick up CPB342 in place of a discipline studies elective unit.
Year 1, Semester 2
HMB171  Fitness, Health & Wellness  12  3
MDB383  Using Information Technologies in the Curriculum  12  3
MDB386  Mathematics Foundations  12  3
PRB371  Social & Environmental Foundations  12  3

Year 2, Semester 1
AAB918  Arts Foundation Studies  12  3
LAB342  Language/Mathematics Curriculum 1  12  3
MDB387  Science Foundations  12  3
PRB377  Studies of Society & Environment/Health & Physical Education Curriculum 1  12  3

Year 2, Semester 2
AAB914  Visual & Performing Arts Curriculum  12  3
LAB345  LOTE/Second Language Foundations  12  3
PRB347  Primary Professional Practice 1: Classroom Management  12  3
Discipline Studies Elective (See List 1)  12

Year 3, Semester 1
LEB336  Psychology of Learning & Teaching  12  3
MDB384  Science Education  12  3
PRB348  Primary Professional Practice 2: Curriculum Decision Making  12  3
and choose either:
CPB342  Education in Context 14  12  3
OR
Discipline Studies Elective (See List 1)  12

Year 3, Semester 2
CPB343  Understanding Educational Practices  12  3
LAB343  Language/Mathematics Curriculum 2  12  3
Discipline Studies Elective (See List 1)  12
Discipline Studies Elective (See List 1)  12

Year 4, Semester 1
LAB413  Programming & Assessment in Language & Mathematics  12  3
OR
LAB334  Primary LOTE Curriculum Study  12  3
PRB349  Primary Professional Practice 3: The Inclusive Curriculum  12  3
PRB385  Studies of Society & Environment/Health & Physical Education Curriculum 2  12  3
Discipline Studies Elective (See List 1)  12

Year 4, Semester 2
Education Studies Elective Unit 1 (See List 2)  12  3
Education Studies Elective Unit 2 (See List 2)  12  3
PRB350  Primary Professional Practice 4: Reflective Practice  12  3
Curriculum Studies Elective (See List 3)  12  3

List 1: Discipline Studies Elective Units
Special Note: Students who have undertaken CPB345 Indigenous Culture and Identity in the Australian Context will undertake a minor only in Discipline Studies.

LANGUAGE
Minor:
LAB441  Children’s Literature  12  3
LAP513  Media Literacy & the School  12  3
LAP517  Storytelling  12  3

Major:
Completion of the units in minor and:
LAB321  Writing Workshop  12  3
LAB446  Grammar for Writers  12  3

14 Students who took CPB345 in their first year of study now pick up CPB342 in place of a discipline studies elective unit.
MATHEMATICS

Minor:
MDB347 Excursions in Mathematics 12 3
MDB349 Mathematical Reasoning 12 3
MDB388 Gaming & Chance 12 3

STUDIES OF SOCIETY AND ENVIRONMENT

Minor:
PRB378 Knowing your Environment 12 3
PRB379 The Consumer, Society & the Environment 12 3
PRB380 Future Societies & Environments - Australia, Asia & the Pacific 12 3

Major:
Completion of units in minor and:
PRB372 The Australian Legacy 12 3
PRB386 Environmental Field Studies 12 3

HEALTH AND PHYSICAL EDUCATION

Minor:
HMB313 Socio-Cultural Foundations of Physical Activity 12 4
HMB376 Motor Development in Children 12 4

Plus one of:
HMB314 Performance Skills 1 12 6
HMB315 Performance Skills 2 12 6
HMB316 Performance Skills 3 12 6

Major:
Completion of units in minor plus two additional units from:
LSB131 Anatomy 12 6
LSB231 Physiology 12 6
HMB271 Motor Control & Learning 12 4
HMB272 Biomechanics 12 4
HMB273 Exercise Physiology 12 4
HMB274 Functional Anatomy 12 4
HMB314 Performance Skills 1 12 6
HMB315 Performance Skills 2 12 6
HMB316 Performance Skills 3 12 6

VISUAL AND PERFORMING ARTS

Minor:
Three level one units from the selected Arts discipline area. Areas available are Music, Visual Arts, Drama and Dance. Students must satisfy any specific entry requirements for Arts units. This could include auditions, portfolios, etc.

Major:
Completion of units in minor and two further units in the selected area at either level 1 or advanced level.

SCIENCE

Minor:
MDB389 Life & Living Processes 12 3
MDB390 Natural & Processed Materials 12 3
MDB391 Earth & Space 12 3

Major:
Completion of units in minor and:
LSB142 Human Anatomy & Physiology 12 5
SCB202 Science, Technology and Society 12 4

TECHNOLOGY

Minor:
MDB392 Educational Computing Environments 12 3
MDB393 Networked Communications 12 3
MDB394 Choosing Software for Educational Contexts 12 3
**BACHELOR OF EDUCATION (PRIMARY)**  
**COURSE STRUCTURE FOR COMMENCING STUDENTS IN 1996 AND 1997**

<table>
<thead>
<tr>
<th>STRAND</th>
<th>YEAR 1</th>
<th>YEAR 2</th>
<th>YEAR 3</th>
<th>YEAR 4</th>
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<td>Semester 1</td>
<td>Semester 2</td>
<td>Semester 3</td>
<td>Semester 4</td>
<td>Semester 5</td>
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</tbody>
</table>
| **EDUCATION STUDIES**         | Education in Context (12) OR Indigenous Culture & Identity in the Australian Context (12)*  
                            | Human Development and Education (12)        |                                             |                                             |                                             |       |
|                               |                                             |                                             |                                             |                                             |       |
| **PROFESSIONAL PRACTICE**     | Field Experience (2 weeks)                  |                                             |                                             |                                             |       |
| **CURRICULUM STUDIES**        | Using Information Technologies in the Curriculum (12)  
                            | Language/Mathematics Curriculum 1 (12)  
                            | Visual and Performing Arts Curriculum (12)  
                            | Science Education (12)  
                            | Language/Mathematics Curriculum 2 (12)  
                            | Programming and Assessment in Language and Mathematics OR Primary LOTE Curriculum (12)  
                            | Curriculum Elective (12) |
| **DISCIPLINE/CONTENT STUDIES**| Language and Literacy Foundations (12)  
                            | Information Technologies in Education (12)  
                            | Mathematics Foundations (12)  
                            | Social and Environmental Foundations (12)  
                            | Fitness Health and Wellness (12)  
                            | Arts Foundation Studies (12)  
                            | Science Foundations (12)  
                            | LOTE/Second Language Foundations (12)  
                            | Discipline Elective (12)  
                            | Discipline Electives (24)  
                            | Discipline Elective (12) |
| **TOTAL**                     | 48                                             | 48                                             | 48                                             | 48                                             | 48                                             | 48                                             | 48                                             | 48                                             | 384 |

* Students who have undertaken Indigenous Culture and Identity in the Australian Context will have to pick up Education in Context in either Semester 5 or Semester 7 of their course in place of one discipline elective unit.

Note: LOTE majors will study one LOTE discipline unit in Semesters 1 to 6 and follow a modified progression to cover all required units.
**Major**

Completion of units in minor and:

<table>
<thead>
<tr>
<th>Code</th>
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<tr>
<td>MDP503</td>
<td>Information Systems in Education</td>
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<tr>
<td>MDP504</td>
<td>School Administration Using Information Technology</td>
<td>12</td>
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</table>

**LOTE**

Students wishing to undertake studies in French, Indonesian or Japanese are required to select a specified sequence of six units (72 credit points). Students should consult with the Bachelor of Education (Secondary) LOTE Teaching Area Coordinator.

**List 2: Education Studies Elective Units**

Students select one unit from Group A and one unit from Group B.

**Group A: Professional Work of Educators**

<table>
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<tbody>
<tr>
<td>CPB330</td>
<td>ATSI Education Policy</td>
<td>12</td>
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<tr>
<td>CPB331</td>
<td>Asian Culture &amp; Education</td>
<td>12</td>
</tr>
<tr>
<td>CPB334</td>
<td>Powerful Teachers, Powerful Students</td>
<td>12</td>
</tr>
<tr>
<td>CPB442</td>
<td>Cultural Diversity &amp; Education</td>
<td>12</td>
</tr>
<tr>
<td>CPB446</td>
<td>Gender &amp; Sexuality Issues for Teachers</td>
<td>12</td>
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<tr>
<td>EDB440</td>
<td>Independent Study&lt;sup&gt;5&lt;/sup&gt;</td>
<td>12</td>
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<tr>
<td>LAB346</td>
<td>Case Studies in Adult &amp; Family Literacy</td>
<td>12</td>
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<tr>
<td>LAB347</td>
<td>Teaching Students from Non-English Speaking Backgrounds</td>
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<tr>
<td>LEB441</td>
<td>Education Counselling</td>
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<td>LEB443</td>
<td>Human Sexuality &amp; Learning</td>
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<tr>
<td>LEB444</td>
<td>Human Sexuality &amp; Development</td>
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<td>LEB480</td>
<td>Research Methods in Education</td>
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<tr>
<td>MDB300</td>
<td>Teaching in the Information Age</td>
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<td>PRB300</td>
<td>Education Law &amp; the Beginning Teacher</td>
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<td>PRB331</td>
<td>Learning/Teaching Environments</td>
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<td>PRB413</td>
<td>Teachers and Isolated Learners</td>
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<td>PRB414</td>
<td>Teaching Strategies</td>
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<td>Introduction to Educational Administration</td>
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<td>PRB416</td>
<td>Classroom Assessment Practices</td>
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**Group B: Difference and Diversity Among Learners**

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</thead>
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<tr>
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<td>Education &amp; Cultural Diversity</td>
<td>12</td>
</tr>
<tr>
<td>CPB337</td>
<td>Gender &amp; Education</td>
<td>12</td>
</tr>
<tr>
<td>CPB338</td>
<td>Identifying &amp; Responding to Student Differences</td>
<td>12</td>
</tr>
<tr>
<td>CPB339</td>
<td>Teaching Aboriginal &amp; Torres Strait Islander Students</td>
<td>12</td>
</tr>
<tr>
<td>CPB344</td>
<td>Values &amp; Ethics in Teaching</td>
<td>12</td>
</tr>
<tr>
<td>EDB440</td>
<td>Independent Study&lt;sup&gt;6&lt;/sup&gt;</td>
<td>12</td>
</tr>
<tr>
<td>LEB331</td>
<td>Teaching Children with Low Incidence Disabilities</td>
<td>12</td>
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<tr>
<td>LEB332</td>
<td>Teaching Exceptional Students</td>
<td>12</td>
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<tr>
<td>LEB337</td>
<td>Gifted Learners</td>
<td>12</td>
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<tr>
<td>PRB332</td>
<td>Classroom &amp; Behaviour Management</td>
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**List 3: Curriculum Studies Elective Units**

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<tr>
<td>AAB916</td>
<td>Advanced Curriculum in Visual &amp; Performing Arts</td>
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<tr>
<td>EDB440</td>
<td>Independent Study&lt;sup&gt;6&lt;/sup&gt;</td>
<td>12</td>
</tr>
<tr>
<td>HMB341</td>
<td>Sporting &amp; Camping Administration</td>
<td>12</td>
</tr>
<tr>
<td>LAB414</td>
<td>Advanced Topics in Language Education</td>
<td>12</td>
</tr>
<tr>
<td>MDB418</td>
<td>Creating Multi-Media Environments for Teaching &amp; Learning</td>
<td>12</td>
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<tr>
<td>MDB419</td>
<td>Mapping Children’s Learning of Mathematics</td>
<td>12</td>
</tr>
<tr>
<td>MDB429</td>
<td>Initiatives in Science Education</td>
<td>12</td>
</tr>
<tr>
<td>PRB375</td>
<td>Advanced Curriculum: Environmental Education</td>
<td>12</td>
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<tr>
<td>PRB383</td>
<td>Getting it all Together: Teachers’ Professional Work in the Differing Contexts of the Primary Classroom</td>
<td>12</td>
</tr>
</tbody>
</table>

**Course Structure for Continuing Students in Years Three and Four in 1997**

Students who commenced the course prior to 1996 but failed to complete CUB365 Introduction to

<sup>5</sup> The unit EDB440 Independent Study may be taken once only. An Independent Study Guide and application are available from the Faculty of Education Office.
Professional Practice in Education will take PRB347 Primary Professional Practice 1: Classroom Management in its place. LAB340 Language, Technology and Education has changed code to LAB341.

**Year 3, Semester 1**
- LEB336 Psychology of Learning & Teaching 12 3
- MDB341 Science Education 12 3
- PRB328 Teachers as Curriculum Decision-makers & Professional Practice 3 12

Select one unit from the following:
- AAB915 Visual & Performing Arts Curriculum 2 12 3
- LOTE Elective Unit 3 (see List 4) 12 4

**Year 3, Semester 2**
- CPB343 Understanding Educational Practices 12 3
- HMB301 Health & Physical Education 1 12 3

Select one unit from each of the following groups:
- LAB334 Primary LOTE Curriculum Studies (LOTE students) 12 3
- PRB369 Curriculum in Social Education
  - LOTE Elective Unit 4 (LOTE students – see List 4) 12 4
  - Elective Unit B3 (see List 5) 12 3

**Year 4, Semester 1**
- LAB331 Language Programming & Assessment 12 3
- MDB340 Mathematics & Technology Education 12 3
- PRB329 Teachers as Responsive Practitioners & Professional Practice 4 12

Select one unit from the following:
- HMB302 Health & Physical Education 2 12 3
- LOTE Elective Unit 5 (LOTE students – see List 4) 12 4

**Year 4, Semester 2**
- PRB330 Teachers as Reflective Practitioners & Professional Practice 5 12
  - Education Studies Elective Unit (see List 2) 12 3
  - Education Studies Elective Unit (see List 2) 12 3

Select one unit from the following:
- Curriculum Elective Unit (see List 6) 12 3
- LOTE 6 (See List 4) 12 4

**List 4: Languages Other Than English (LOTE) Units**
General primary/LOTE students are required to complete 72 credit points of discipline/content studies plus 12 credit points of curriculum studies in one of the four languages available. Students who have taken their LOTE to Year 12 or equivalent do not take the introductory units. The language units in the discipline/content strand are as follows.

**FRENCH**
- HUB670 French 1 12 4
- HUB671 French 2 12 4
- HUB672 French 3 12 4
- HUB673 French 4 12 4
- HUB674 French 5 12 4
- HUB675 French 6 12 4
- HUB676 French 7 12 4
- HUB677 French 8 12 4

**GERMAN**
- HUB735 German 1 12 4
- HUB736 German 2 12 4
- HUB737 German 3 12 4
- HUB738 German 4 12 4
- HUB739 German 5 12 4
- HUB740 German 6 12 4
- HUB741 German 7 12 4
- HUB742 German 8 12 4
**INDONESIAN**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUB650</td>
<td>Indonesian 1</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>HUB651</td>
<td>Indonesian 2</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>HUB652</td>
<td>Indonesian 3</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>HUB653</td>
<td>Indonesian 4</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>HUB654</td>
<td>Indonesian 5</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>HUB655</td>
<td>Indonesian 6</td>
<td>12</td>
<td>4</td>
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<td>HUB656</td>
<td>Indonesian 7</td>
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<tr>
<td>HUB657</td>
<td>Indonesian 8</td>
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**JAPANESE**

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<thead>
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<tbody>
<tr>
<td>HUB660</td>
<td>Japanese 1</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>HUB661</td>
<td>Japanese 2</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>HUB662</td>
<td>Japanese 3</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>HUB663</td>
<td>Japanese 4</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>HUB664</td>
<td>Japanese 5</td>
<td>12</td>
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<tr>
<td>HUB665</td>
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<td>Japanese 7</td>
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</tr>
<tr>
<td>HUB667</td>
<td>Japanese 8</td>
<td>12</td>
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</tbody>
</table>

**List 5: Elective Units B**

Students (except for those following the LOTE program) complete three units from one of the following groups.

**ABORIGINAL AND TORRES STRAIT ISLANDER STUDIES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDB336</td>
<td>Aboriginal &amp; Torres Strait Islanders, Past &amp; Present</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EDB337</td>
<td>Issues in Aboriginal &amp; Torres Strait Islander Cultures</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EDB338</td>
<td>Murri &amp; Torres Strait Islander Studies: An Integrated Perspective</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

**ARTS**

Students wishing to undertake studies in Dance, Drama or Visual Art will be able to select an appropriate sequence of accredited units offered to Education students by the Academy of the Arts. Any student wishing to select a Visual Arts specialisation should seek the advice of the Secondary Art Teaching Area Coordinator. Those wishing to take a music specialisation will take the following three music units.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAB911</td>
<td>Exploring Music 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAB912</td>
<td>Exploring Music 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>AAB913</td>
<td>Exploring Music 3</td>
<td>12</td>
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**ASIAN STUDIES**

<table>
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<th>Course Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>HUB610</td>
<td>Approaches to Asian/Pacific Basin Studies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>HUB626</td>
<td>Contemporary Southeast Asia</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>HUB628</td>
<td>Modern Japan</td>
<td>12</td>
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</tbody>
</table>

**HEALTH**

<table>
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<th>Units</th>
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<tr>
<td>HMB305</td>
<td>Personal Health</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>HMB333</td>
<td>Child &amp; Adolescent Health</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUB127</td>
<td>Health Issues in Australia</td>
<td>12</td>
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</table>

**LANGUAGE**

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<td>Literature in Teaching</td>
<td>12</td>
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<td>LAB336</td>
<td>Linguistics in Teaching</td>
<td>12</td>
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<td>LAB337</td>
<td>Workshop for Writers</td>
<td>12</td>
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**MATHEMATICS**

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<td>MDB347</td>
<td>Excursions in Number</td>
<td>12</td>
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<tr>
<td>MDB349</td>
<td>Mathematical Thinking</td>
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**PHYSICAL EDUCATION**

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<tr>
<td>HMB304</td>
<td>Physical Activity &amp; Modern Society</td>
<td>12</td>
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<td>HMB306</td>
<td>Developmental &amp; Integrated Physical Activity</td>
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<tr>
<td>HMB308</td>
<td>Physical Activity Studies</td>
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**SCIENCE**

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<tbody>
<tr>
<td>MDB378</td>
<td>Earth &amp; Space</td>
<td>12</td>
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## BACHELOR OF EDUCATION (PRIMARY)
### COURSE STRUCTURE FOR CONTINUING STUDENTS OF YEARS THREE AND FOUR IN 1997

<table>
<thead>
<tr>
<th>STRAND</th>
<th>EDUCATION STUDIES</th>
<th>PROFESSIONAL PRACTICE</th>
<th>CURRICULUM STUDIES</th>
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<th>CURRICULUM STUDIES</th>
<th>DISCIPLINE/ CONTENT STUDIES</th>
<th>TOTAL</th>
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<td>YEAR 2</td>
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</tr>
</tbody>
</table>

* Credit points for field experience come from the education studies in the corresponding component.

# These units include a component of campus-based study.

**Semester 1**
- Psychology of Learning & Teaching (12)
- Curriculum Elective Unit (12)
- Field Experience (3 weeks)
- Field Experience (1 week)
- Science Education (12)
- Visual & Performing Arts Curriculum (12)
- Curriculum in Social Education (12)
- LOTE 1 (12)
- LOTE 3 (12)
- Health & Phys Ed 2 (12)

**Semester 2**
- Psychology of Learning & Teaching (12)
- Curriculum Elective Unit (12)
- Field Experience (3 weeks)
- Field Experience (1 week)
- Science Education (12)
- Visual & Performing Arts Curriculum (12)
- Curriculum in Social Education (12)
- LOTE 1 (12)
- LOTE 3 (12)
- Health & Phys Ed 2 (12)

**Semester 1**
- Understanding Educational Practices (12)
- Education Elective Unit (12)
- Field Experience (1 week)
- Teachers as Reflective Practitioners & Professional Practice (12 weeks)
- Teachers as Responsive Practitioners & Professional Practice (12 weeks)
- Teachers as Curriculum Decision-Makers & Professional Practice (12 weeks)
- Field Experience (1 week)

**Semester 2**
- Teachers as Reflective Practitioners & Professional Practice (12 weeks)
- Teachers as Responsive Practitioners & Professional Practice (12 weeks)
- Teachers as Curriculum Decision-Makers & Professional Practice (12 weeks)
- Field Experience (1 week)
- Science Education (12)

**Semester 1**
- Understanding Educational Practices (12)
- Education Elective Unit (12)
- Field Experience (1 week)
- Teachers as Reflective Practitioners & Professional Practice (12 weeks)
- Teachers as Responsive Practitioners & Professional Practice (12 weeks)
- Teachers as Curriculum Decision-Makers & Professional Practice (12 weeks)
- Field Experience (1 week)

**Semester 2**
- Teachers as Reflective Practitioners & Professional Practice (12 weeks)
- Teachers as Responsive Practitioners & Professional Practice (12 weeks)
- Teachers as Curriculum Decision-Makers & Professional Practice (12 weeks)
- Field Experience (1 week)
- Science Education (12)
MDB379 Science & Survival 12 3
MDB380 Technology & Life Science 12 3

STUDENTS WITH DISABILITIES
HMB345 Motor Development & Performance in Disabled Children 12 3
LEB304 Children with Social & Emotional Difficulties 12 3
LEB305 Understanding Children with Intellectual Disabilities 12 3

SOCIAL SCIENCES
PRB372 The Australian Legacy 12 3
PRB373 Consumer Education in Primary Schools 12 3
PRB374 Australia, Asia & the Pacific - A Futures Approach 12 3

List 6: Curriculum Elective Units
AAB916 Advanced Visual & Performing Arts Curriculum 12 3
AAB917 The Arts & the Whole Curriculum 12 3
HMB341 Sporting & Camping Administration 12 3
HMB342 The Development of Teaching Skills in Physical Education 12 3
HMB343 Environmental Health 12 3
HMB344 Human Relationships Education 12 3
LAB332 Children’s Literature in the Primary Curriculum 12 3
LAB333 Language in Key Learnings 12 3
LAB334 Primary LOTE Curriculum Studies15 12 3
LEB431 Interactive Teaching Strategies 12 3
MDB342 Computers in the School Curriculum 12 3
MDB343 Diagnosis & Remediation in Mathematics 12 3
MDB344 Initiatives in Science Education 12 3
PRB301 Mainstream Integration of Children with Disabilities 12 3
PRB370 Directions in Social Education 12 3
PRB375 Environmental Education 12 3
PUB341 Nutrition Education 12 3

Bachelor of Education (Secondary) (ED50)

Location: Kelvin Grove campus (some unit areas are located at Carseldine and Gardens Point campuses)
Course Duration: 4 years full-time (2 years full-time for Graduate Entry students meeting all discipline studies requirements for their two teaching areas from their initial degree)
Total Credit Points: 384 (192 for Graduate Entry students)
Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr John Whitta
Associate Course Coordinator: Mr Peter Meadmore

Course Requirements
Undergraduate-entry students complete 192 credit points of professional studies and 192 credit points of discipline studies. Graduate-entry students complete 192 credit points of professional studies only.

Entry into Course Streams

<table>
<thead>
<tr>
<th>COURSE STREAM</th>
<th>DISCIPLINE AREAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>Art</td>
</tr>
<tr>
<td>Business Education</td>
<td>Accounting/Business Management</td>
</tr>
<tr>
<td></td>
<td>Office Communication Technology</td>
</tr>
<tr>
<td></td>
<td>Economics</td>
</tr>
<tr>
<td></td>
<td>Legal Studies</td>
</tr>
<tr>
<td>Communication</td>
<td>English</td>
</tr>
<tr>
<td></td>
<td>Film &amp; Media Studies</td>
</tr>
<tr>
<td>LOTE</td>
<td>French</td>
</tr>
<tr>
<td></td>
<td>German</td>
</tr>
<tr>
<td></td>
<td>Indonesian</td>
</tr>
<tr>
<td></td>
<td>Japanese</td>
</tr>
</tbody>
</table>

15 For students following the LOTE program.
Discipline Studies

Undergraduate-entry students are required to take 192 credit points of Discipline Studies units, specialising in two teaching areas appropriate to Years 8-12 in Queensland. Students must complete at least 96 credit points in one teaching area and will normally complete at least 72 credit points in their other teaching area (Groups X and Y). The remaining 24 credit points may be added to the 72, added to the 96, or used for personal development in a third area.

In certain circumstances, permission may be given to complete 48 credit points in a non-teaching discipline area. Students undertaking this option will complete 96 credit points in one of their two teaching areas and 48 credit points in their other teaching area. An additional 48 credit points may then be selected in a non-teaching area.

Note: The abovementioned option is not available in all teaching areas. Approval from the Course Coordinator is required. Students wishing to explore this option should consult with the Associate Course Coordinator (Secondary). Hence, the combinations available include the following:

(a) Teaching area 1 72 credit points
   Teaching area 2 120 credit points
(b) Teaching area 1 96 credit points
   Teaching area 2 96 credit points
(c) Teaching area 1 72 credit points
   Teaching area 2 96 credit points
   Liberal Studies (Group Z) 24 credit points
(d) Teaching area 1 96 credit points*
   Teaching area 2 48 credit points
   Non-teaching area 48 credit points

* Option (d) is not available in Art, Drama, Physical Education, Home Economics, LOTE; and is only available in the following teaching areas if Science Studies is taken as Teaching Area 1 and Chemistry, Physics, Biology or Earth Science are taken as Teaching Area 2.

The teaching areas are divided into Group X and Group Y as shown below. Students may also select up to 24 credit points from units in Group Z in consultation with the Associate Course Coordinator. Students should note that not all Faculties offer units for elective studies in the Bachelor of Education (Pre-service).

GROUP X
Accounting/Business Management
Art
Office Communication Technology
Computing
Drama
English
Home Economics
Mathematics
Physical Education

GROUP Y
Accounting/Business Management
Biology
Chemistry
Earth Science
Economics
English
Film & Media#
French
Geography

GROUP Z
Units listed under X and Y (excluding the two teaching areas) plus units from other suitable QUT courses.

# Places are limited.
### Course Structure for Graduate Entry Students

<table>
<thead>
<tr>
<th>STRAND</th>
<th>YEAR 3*</th>
<th>YEAR 4*</th>
<th>TOTAL</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Semester 1</td>
<td>Semester 2</td>
<td></td>
</tr>
<tr>
<td>EDUCATION STUDIES</td>
<td>LEB336 Psychology of Learning &amp; Teaching (12)</td>
<td>LEB335 Human Development &amp; Education (12)</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>CPB342 Education in Context (12)</td>
<td></td>
</tr>
<tr>
<td>PROFESSIONAL STUDIES</td>
<td>PRB324 Professional Practice 1 (4 weeks PT) (12)</td>
<td>Field Experience (4 weeks)+</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Field Experience (1 week)+</td>
<td>PRB343 Secondary Professional Practice 1: Classroom Management (2 wks) (12)</td>
<td></td>
</tr>
<tr>
<td>CURRICULUM STUDIES</td>
<td>Curriculum Studies 1X (12)</td>
<td>LAB341 Language Technology &amp; Education (12)</td>
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</tr>
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<tr>
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<td>192</td>
</tr>
</tbody>
</table>

+ Credit Points for field experience come from the core education studies in corresponding semesters.

* Credit has been given for years 1 and 2 of the BEd (Preservice) based on the initial degree qualification.

# On-campus program equivalent to a 14-week unit.

### Notes

Where the same teaching area is listed in both Groups X and Y (for instance, English), it may only be selected once.

There may be limited places in some disciplines as a second teaching area.

Under certain conditions, students may be permitted to complete a double major in physical education.

### Course Structure

The following course structure is for students commencing Years 1 and 2 in 1997. Students in Years 3 and 4 in 1997 will continue with their current program (please see the end of this section). See List 1 on page 459.
Year 1, Semester 1

Discipline Studies X Unit (See List 1)  24
Discipline Studies Y Unit (See List 1)  24

Students can choose to take the following Discipline Studies Z unit and instead take one unit only in either Discipline Studies X or Y. Please note that students who select this option will be electing the following combination:

Teaching area 1 96
Teaching area 2 72
Liberal Studies (Group Z)* 24

* Students who take CPB345 in this Semester will only take one Discipline Studies Z unit in Year 3.

CPB345  Indigenous Culture & Identity in the Australian Context (Discipline Z)  12

Year 1, Semester 2

CPB342  Education in Context  12  3
LEB335  Human Development & Education  12  3
Discipline Studies X Unit (See List 1)  12
Discipline Studies Y Unit (See List 1)  12

Year 2, Semester 1

LAB341  Language, Technology & Education  12  3
PRB343  Secondary Professional Practice 1: Classroom Management  12
Discipline Study X (See List 1)  12
Discipline Study Y (See List 1)  12

Year 2, Semester 2

Discipline Study X (See List 1)  12
Discipline Study X (See List 1)  12
Discipline Study Y (See List 1)  12
Discipline Study Y (See List 1)  12

Year 3, Semester 1

Discipline Studies X or Y (See List 1)  24
Discipline Studies X, Y or Z (See List 1)  24

Year 3, Semester 2

LEB336  Psychology of Learning & Teaching  12  3
PRB344  Secondary Professional Practice 2: Curriculum Decision Making  12
Curriculum Studies 1X (See List 2)  12
Curriculum Studies 1Y (See List 2)  12

Year 4, Semester 1

CPB343  Understanding Educational Practices  12  3
PRB345  Secondary Professional Practice 3: The Inclusive Curriculum  12
Curriculum Studies 2X (See List 2)  12
Curriculum Studies 2Y (See List 2)  12

Year 4, Semester 2

Education Studies Elective (See List 3)  12
Education Studies Elective (See List 3)  12
PRB346  Secondary Professional Practice 4: Beginning Teaching  12
Curriculum Studies Elective (See List 4)  12

List 4: Curriculum Studies Elective

EDB440  Independent Study*  12  3
MDB395  Marine studies  12  3
MDB414  Learning Environments Using Information Technology  12  3
MDB417  Assessing the Mathematical & Scientific Abilities of Students  12  3
PRB381  Progressive Strategies for General & Vocational Education  12  3
PRB382  Advanced Skills of Effective Learning & Teaching  12  3
PRB384  Studies of Society & Environment  12  3
PRB420  Business Organisation & Management Education  12  3

* The unit EDB440 Independent Study may be taken once only. An Independent Study Guide and application are available from the Faculty of Education Office.
**BACHELOR OF EDUCATION (SECONDARY)**

**COURSE STRUCTURE FOR COMMENCING STUDENTS IN 1996 AND 1997 ONLY**

<table>
<thead>
<tr>
<th>STRAND</th>
<th>YEAR 1</th>
<th>YEAR 2</th>
<th>YEAR 3</th>
<th>YEAR 4</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Semester 1</td>
<td>Semester 2</td>
<td>Semester 3</td>
<td>Semester 4</td>
<td></td>
</tr>
<tr>
<td><strong>EDUCATION STUDIES</strong></td>
<td>Education in Context (12)</td>
<td>Human Development &amp; Education (12)</td>
<td>Psychology of Learning and Teaching</td>
<td>Understanding Educational Practices</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(12)</td>
<td>(12)</td>
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<tr>
<td><strong>PROFESSIONAL PRACTICE</strong></td>
<td></td>
<td>Secondary Professional Practice 1:</td>
<td>Secondary Professional Practice 2:</td>
<td>Secondary Professional Practice 3:</td>
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<tr>
<td></td>
<td></td>
<td>Classroom Management (2 weeks)</td>
<td>Curriculum Decision Making (4 weeks)</td>
<td>The Inclusive Curriculum (4 weeks)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Field Experience (2 weeks)</td>
<td></td>
<td></td>
<td>(12)</td>
<td></td>
</tr>
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<td></td>
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<td></td>
<td>Field Experience (1 week)</td>
<td></td>
</tr>
<tr>
<td><strong>CURRICULUM STUDIES</strong></td>
<td>Language Technology and Education</td>
<td>Curriculum Studies 1X (12)</td>
<td>Curriculum Studies 2X (12)</td>
<td>Curriculum Elective (12)</td>
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</tr>
<tr>
<td></td>
<td>(12)</td>
<td></td>
<td>(12)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>DISCIPLINE/CONTENT STUDIES</strong></td>
<td>Discipline Studies X (24)</td>
<td>Discipline Studies X (12)</td>
<td>Discipline Studies X (24)</td>
<td>Discipline Studies X/Y/Z (48)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Discipline Studies Y (24)</td>
<td>Discipline Studies Y (12)</td>
<td>Discipline Studies Y (24)</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>OR Indigenous Culture &amp; Identity in the Australian Context (Discipline Z) (12)*</td>
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<td></td>
<td></td>
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<tr>
<td><strong>TOTAL</strong></td>
<td>48</td>
<td>48</td>
<td>48</td>
<td>48</td>
<td>384</td>
</tr>
</tbody>
</table>

* Students who undertake Indigenous Culture and Identity in the Australian Context will only take one discipline X unit or one discipline Y unit, not two.
LAB334 Primary LOTE Curriculum Studies 12 3
LAB411 Advanced Studies in Film & Media Curriculum 12 3
LAB412 Advanced Studies in English/ESL Curriculum 12 3

Note: Discipline Studies units are shown as electives. Specific requirements for these units are dependent on the Teaching Area Coordinator.

Course Structure for Continuing Students in Years Three and Four in 1997
Students who commenced the course prior to 1996 but failed to complete CUB365 Introduction to Professional Practice in Education will take PRB343 Secondary Professional Practice 1: Classroom Management in its place. LAB340 Language Technology and Education has changed code to LAB341.

Year 3, Semester 1
LEB336 Psychology of Learning & Teaching 12 3
PRB324 Professional Practice 1 12
Curriculum Studies 1X Unit (See List 2) 12 3
Curriculum Studies 1Y Unit (See List 2) 12 3

Year 3, Semester 2
Discipline Studies X, Y or Z Units (See List 1) 48

Year 4, Semester 1
CPB343 Understanding Educational Practices 12 3
PRB325 Professional Practice 2 12
Education Studies Elective Unit (See List 3) 12 3
Education Studies Elective Unit (See List 3) 12 3

Year 4, Semester 2
PRB326 Professional Practice 3 12
PRB327 Professional Practice 4: The Beginning Teacher 12
Curriculum Studies 2X Unit (See List 2) 12 3
Curriculum Studies 2Y Unit (See List 2) 12 3

List 2: Curriculum Studies units
Students complete two sets of Curriculum Studies units corresponding to the two discipline areas they select. The sets (comprising unit X and unit Y) of curriculum studies are listed below.

AAB412 Art Curriculum Studies 1 12 3
AAB413 Art Curriculum Studies 2 12 3
AAB414 Drama Curriculum Studies 1 12 3
AAB415 Drama Curriculum Studies 2 12 3
HMB310 Physical Education Curriculum Studies 1 12 3
HMB370 Physical Education Curriculum Studies 2 12 3
HMB340 Physical Education Curriculum Studies 1B 12 3
HMB380 Physical Education Curriculum Studies 2B 12 3
HMB390 Health Education Curriculum Studies 1 12 3
HMB395 Health Education Curriculum Studies 2 12 3
LAB325 English Curriculum Studies 1 12 3
LAB326 English Curriculum Studies 2 12 3
LAB327 Film & Media Curriculum Studies 1 12 3
LAB328 Film & Media Curriculum Studies 2 12 3
LAB329 LOTE Curriculum Studies 1 12 3
LAB330 LOTE Curriculum Studies 2 12 3
MDB325 Biology Curriculum Studies 1 12 3
MDB326 Biology Curriculum Studies 2 12 3
MDB327 Chemistry Curriculum Studies 1 12 3
MDB328 Chemistry Curriculum Studies 2 12 3
MDB329 Computing Curriculum Studies 1 12 3
MDB330 Computing Curriculum Studies 2 12 3
MDB331 Earth Science Curriculum Studies 1 12 3
MDB332 Earth Science Curriculum Studies 2 12 3
<table>
<thead>
<tr>
<th>STRAND</th>
<th>EDUCATION STUDIES</th>
<th>PROFESSIONAL PRACTICE</th>
<th>CURRICULUM STUDIES</th>
<th>DISCIPLINE/CONTENT STUDIES</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>YEAR 1</td>
<td>Semester 1</td>
<td>Education in Context</td>
<td>Field Experience</td>
<td>Discipline Studies X (24)</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>Semester 2</td>
<td>Language</td>
<td>Experience (2 weeks)</td>
<td>Discipline Studies Y (24)</td>
<td>48</td>
</tr>
<tr>
<td>YEAR 2</td>
<td>Semester 1</td>
<td>Human Development &amp; Education</td>
<td>Professional Practice</td>
<td>Disciplines Studies X (12)</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>Semester 2</td>
<td>Professional Practice</td>
<td>Practice (5 weeks PT)</td>
<td>Disciplines Studies Y (12)</td>
<td>48</td>
</tr>
<tr>
<td>YEAR 3</td>
<td>Semester 1</td>
<td>Understanding Educational Practices</td>
<td>Curriculum Studies 1X</td>
<td>Disciplines Studies X (12)</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>Semester 2</td>
<td>Education Studies Elective Unit</td>
<td>Curriculum Studies 1Y</td>
<td>Disciplines Studies Y (12)</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Field Experience (1 week)</td>
<td>Curriculum Studies 2X</td>
<td>Disciplines Studies X/Y/Z (48)</td>
<td>48</td>
</tr>
<tr>
<td>YEAR 4</td>
<td>Semester 1</td>
<td>Professional Practice</td>
<td>Professional Practice</td>
<td>Curriculum Studies 2X (12)</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>Semester 2</td>
<td>Field Experience (2 weeks)</td>
<td>Professional Practice</td>
<td>Curriculum Studies 2Y (12)</td>
<td>48</td>
</tr>
</tbody>
</table>

+ Credit Points for field experience come from the core education studies in corresponding semesters.

# On-campus program equivalent to a 14-week unit.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
<th>Unit Type</th>
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<tbody>
<tr>
<td>MDB333</td>
<td>Mathematics Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
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<tr>
<td>MDB334</td>
<td>Mathematics Curriculum Studies 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDB335</td>
<td>Physics Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDB336</td>
<td>Physics Curriculum Studies 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDB337</td>
<td>Science Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDB338</td>
<td>Science Curriculum Studies 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUB312</td>
<td>Home Economics Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUB322</td>
<td>Home Economics Curriculum Studies 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB355</td>
<td>Accounting/Business Management Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB356</td>
<td>Accounting/Business Management Curriculum Studies 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB357</td>
<td>Business Communication Technologies Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB358</td>
<td>Business Communication Technologies Curriculum Studies 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB359</td>
<td>Economics Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB360</td>
<td>Economics Curriculum Studies 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB361</td>
<td>Geography Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB362</td>
<td>Geography Curriculum Studies 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB363</td>
<td>History Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB364</td>
<td>History Curriculum Studies 2</td>
<td>12</td>
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</tr>
<tr>
<td>PRB365</td>
<td>Legal Studies Curriculum Studies 1</td>
<td>12</td>
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<td>PRB366</td>
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<tr>
<td>PRB367</td>
<td>Social Science Curriculum Studies 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB368</td>
<td>Social Science Curriculum Studies 2</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

**List 3: Education Studies Elective Units**

Students select one unit from Group A and one unit from Group B.

**Group A: Professional Work of Educators**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
<th>Unit Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPB330</td>
<td>Aboriginal &amp; Torres Strait Islander Education Policy</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CPB331</td>
<td>Asian Culture &amp; Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CPB334</td>
<td>Powerful Teachers, Powerful Students</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>EDB440</td>
<td>Independent Study</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LAB346</td>
<td>Case Studies in Adult &amp; Family Literacy</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LAB347</td>
<td>Teaching Students from Non-English Speaking Backgrounds</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LEB441</td>
<td>Educational Counselling</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LEB480</td>
<td>Research Methods in Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MDB300</td>
<td>Teaching in the Information Age</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB300</td>
<td>Education Law &amp; the Beginning Teacher</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PRB331</td>
<td>Learning/Teaching Environments</td>
<td>12</td>
<td>3</td>
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</table>

Additional Group A Education Studies electives accredited in the Bachelor of Education (Inservice) course have been accredited for offer in the Bachelor of Education (Secondary) course. Specified units are as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
<th>Unit Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPB442</td>
<td>Cultural Diversity &amp; Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPB446</td>
<td>Gender &amp; Sexuality Issues for Teachers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LEB441</td>
<td>Educational Counselling</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LEB443</td>
<td>Human Sexuality &amp; Learning</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LEB444</td>
<td>Human Sexuality and Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRB413</td>
<td>Teachers and Isolated Learners</td>
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<td></td>
</tr>
<tr>
<td>PRB414</td>
<td>Teaching Strategies</td>
<td></td>
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</tr>
<tr>
<td>PRB415</td>
<td>Introduction to Educational Administration</td>
<td></td>
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<tr>
<td>PRB416</td>
<td>Classroom Assessment Practices</td>
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**Group B: Difference and Diversity Among Learners**

<table>
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<th>Course Title</th>
<th>Credit</th>
<th>Unit Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPB336</td>
<td>Education &amp; Cultural Diversity</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CPB337</td>
<td>Gender &amp; Education</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CPB338</td>
<td>Identifying &amp; Responding to Student Differences</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CPB339</td>
<td>Teaching Aboriginal &amp; Torres Strait Islander Students</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>CPB344</td>
<td>Values &amp; Ethics in Teaching</td>
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</tbody>
</table>

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5 The unit EDB440 Independent Study may be taken once only. An Independent Study Guide and application are available from the Faculty of Education Office.

16 Recommended elective unit for students contemplating higher degree studies.
List 1: Discipline Studies Units

Students are required to select units according to the teaching area guidelines provided below.

**ART (X)**
- **Minor**: 72 credit points – consisting of 72 credit points of level one units
- **Major**: 96 credit points – consisting of 84 credit points of level one and 12 credit points of advanced units
- **Extended Major**: 120 credit points – consisting of 96 credit points of level one and the remainder (24 credit points) of advanced units

In selecting units, students should seek the advice of the Art Teaching Area Coordinator.

**ACCOUNTING/BUSINESS MANAGEMENT (X/Y)**
- **Minor**: 72 credit points – consisting of 48 credit points of level one and the remainder (24 credit points) of advanced units
- **Major**: 96 credit points – consisting of 48 credit points of level one and the remainder (48 credit points) of advanced units
- **Extended Major**: 120 credit points – consisting of 48 credit points of level one and the remainder (72 credit points) of advanced units

In selecting units, students should seek the advice of the Accounting/Business Management Teaching Area Coordinator.

**BIOLOGY (Y)**
- **Minor**: 72 credit points – consisting of 36 credit points of level one units from the areas of Science, Computing or Mathematics, and the other 36 credit points to include a Science and Society unit and 24 credit points in advanced Biology units
- **Major**: 96 credit points – as for the minor with the remaining 24 credit points in advanced Biology units
- **Extended Major**: 120 credit points – as for the major with the remaining 24 credit points in advanced Biology units

In selecting units, students should seek the advice of the Biology Teaching Area Coordinator.

**CHEMISTRY (Y)**
- **Minor**: 72 credit points – consisting of 36 credit points of level one units from the areas of Science, Computing or Mathematics and the other 36 credit points to include a Science and Society unit and 24 credit points in advanced Chemistry units
- **Major**: 96 credit points – as for the minor with the remaining 24 credit points in advanced Chemistry units
- **Extended Major**: 120 credit points – as for the major with the remaining 24 credit points in advanced Chemistry units

In selecting units, students should seek the advice of the Chemistry Teaching Area Coordinator.

**COMPUTING (X)**
- **Minor**: 72 credit points – consisting of 48 credit points of level one and the remainder (24 credit points) of advanced units
- **Major**: 96 credit points – consisting of 48 credit points of level one and the remainder (48 credit points) of advanced units
- **Extended Major**: 120 credit points – as for major program plus 24 credit points selected in consultation with the Computing Teaching Area Coordinator

In selecting units, students should seek the advice of the Computing Teaching Area Coordinator.

**DRAMA (X)**
- **Minor**: 72 credit points - consisting of 60 credit points of level one and the remainder (12 credit points) of advanced units
- **Major**: 96 credit points – consisting of 60 credit points of level one and the remainder (36 credit points) of advanced units
- **Extended Major**: 120 credit points – consisting of 60 credit points of level one and the reminder (60 credit points) of advanced units

In selecting units, students should seek the advice of the Drama Teaching Area Coordinator.

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16 Recommended elective unit for students contemplating higher degree studies.
EARTH SCIENCE (Y)
Minor 72 credit points – consisting of 36 credit points of level one units from the areas of Science, Computing or Mathematics and the other 36 credit points to include Astronomy, Science and Society and a unit in advanced Earth Science
Major 96 credit points – as for the minor with the remaining 24 credit points in advanced Earth Science units
Extended Major 120 credit points – as for the major with the remaining 24 credit points in advanced Earth Science units
In selecting units, students should seek the advice of the Earth Science Teaching Area Coordinator.

ECONOMICS (Y)
Minor 72 credit points – consisting of 36 credit points of level one units and the remainder (36 credit points) of advanced units
Major 96 credit points – consisting of 36 credit points of level one and the remainder (60 credit points) of advanced units
Extended Major 120 credit points – consisting of 36 credit points of level one and the remainder (84 credit points) of advanced units
In selecting units, students should seek the advice of the Economics Teaching Area Coordinator.

ENGLISH (X/Y)
Minor 72 credit points – consisting of 48 credit points of level one and the remainder (24 credit points) of advanced units
Major 96 credit points – consisting of 48 credit points of level one and the remainder (48 credit points) of advanced units
Extended Major 120 credit points – consisting of 48 credit points of level one and the remainder (72 credit points) of advanced units
In selecting units, students should seek the advice of the English Teaching Area Coordinator.

FILM AND MEDIA (Y)
Minor 72 credit points – consisting of 36 credit points of level one and the remainder (36 credit points) of advanced units
Major 96 credit points – consisting of 36 credit points of level one and the remainder (60 credit points) of advanced units
Extended Major 120 credit points – consisting of 36 credit points of level one and the remainder (84 credit points) of advanced units
In selecting units, students should seek the advice of the Film and Media Teaching Area Coordinator.

GEOGRAPHY (Y)
Minor 72 credit points – consisting of 36 credit points of level one and the remainder (36 credit points) of advanced units
Major 96 credit points – consisting of 36 credit points of level one and the remainder (60 credit points) of advanced units
Extended Major 120 credit points – consisting of 36 credit points of level one and the remainder (84 credit points) of advanced units
In selecting units, students should seek the advice of the Geography Teaching Area Coordinator.

HEALTH (Y)
Minor 72 credit points – consisting of 48 credit points of level one and the remainder (24 credit points) of advanced units
Major 96 credit points – consisting of 48 credit points of level one and the remainder (48 credit points) of advanced units
Extended Major 120 credit points – consisting of 48 credit points of level one and the remainder (72 credit points) of advanced units
In selecting units, students should seek the advice of the Health Teaching Area Coordinator.

HISTORY (Y)
Minor 72 credit points – consisting of one unit selected from each of four areas, Ancient History, Australian History, Asian/Pacific History, European History (48 credit points), plus two other units selected across the four areas (24 credit points)
Major 96 credit points – consisting of one unit selected from each of four areas, Ancient History, Australian History, Asian/Pacific History, European History (48 credit points), plus four other units selected from and of the above four areas (48 credit points)
In selecting units, students should seek the advice of the History Teaching Area Coordinator.
HOME ECONOMICS (X)
Minor 72 credit points – consisting of 72 credit points of level one units
Major 96 credit points – consisting of 72 credit points of level one and the remainder (24 credit points) of advanced units
Extended Major 120 credit points – consisting of 72 credit points of level one and the remainder (48 credit points) of advanced units

In selecting units, students should seek the advice of the Home Economics Teaching Area Coordinator.

LEGAL STUDIES (Y)
Minor 72 credit points – consisting of 48 credit points of level one and the remainder (24 credit points) of advanced units
Major 96 credit points – consisting of 72 credit points of level one and the remainder (24 credit points) of advanced units
Extended Major 120 credit points – consisting of 96 credit points of level one and the remainder (24 credit points) of advanced units

In selecting units, students should seek the advice of the Legal Studies Teaching Area Coordinator.

LOTE (Y)
(Indonesion, Japanese, German and French)
Students wishing to undertake studies in French, Indonesion or Japanese are required to select a specified sequence of six units (72 credit points). In selecting units, students should seek the advice of the LOTE Teaching Area Coordinator.

MATHEMATICS (X/Y)
Minor 72 credit points – consisting of 24 credit points in Foundation Mathematics, 12 credit points in each of the areas of Statistics and other Mathematical topics and 24 credit points chosen in consultation with the Mathematics Teaching Area Coordinator
Major 96 credit points – as for the minor program plus an additional 24 credit points chosen in consultation with the Mathematics Teaching Area Coordinator
Extended Major 120 credit points – as for the major with the remaining 24 credit points in advanced Mathematics units

In selecting units, students should seek the advice of the Mathematics Teaching Area Coordinator.

OFFICE COMMUNICATIONS TECHNOLOGY (X)
Minor 72 credit points – consisting of 48 credit points of level one and the remainder (24 credit points) of advanced units
Major 96 credit points – consisting of 48 credit points of level one and the remainder (48 credit points) of advanced units
Extended Major 120 credit points – consisting of 48 credit points of level one and the remainder (72 credit points) of advanced units

In selecting units, students should seek the advice of the Office Communication Technology Teaching Area Coordinator.

PHYSICAL EDUCATION (X)
Minor 72 credit points – consisting of 60 credit points of level one and the remainder (12 credit points) of advanced units
Major 96 credit points – consisting of 60 credit points of level one and the remainder (36 credit points) of advanced units
Extended Major 120 credit points – consisting of 60 credit points of level one and the remainder (60 credit points) of advanced units
Double Major 192 credit points – consisting of 60 credit points of level one and the remainder (132 credit points) of advanced units

In selecting units, students should seek the advice of the Physical Education Teaching Area Coordinator.

PHYSICS (Y)
Minor 72 credit points – consisting of 36 credit points of level one units from the areas of Science, Computing or Mathematics and the other 36 credit points to include a Science and Society unit and 24 credit points in advanced Physics
Major 96 credit points – as for the minor with the remaining 24 credit points in advanced Physics units
Extended Major 120 credit points – as for the major with the remaining 24 credit points in advanced Physics units

In selective units, students should seek the advice of the Physics Teaching Area Coordinator.
SCIENCE STUDIES (X/Y)

**Minor**  
72 credit points – to comprise one 12 credit points unit in each of the areas of Physics, Chemistry, Biology, Earth Science, Astronomy and Science and Society

**Major**  
96 credit points – as for the minor with the remaining 24 credit points in advanced Science units

**Extended Major**  
120 credit points – as for the major with the remaining 24 credit points in advanced Science units

In selecting units, students should seek the advice of the Science Studies Teaching Area Coordinator.

SOCIAL SCIENCE (X)

**Minor**  
72 credit points – consisting of 24 credit points in each of the areas of Australian Studies, Political Studies and 12 credit points from each of the areas of Aboriginal and Torres Strait Culture Studies and Women’s Studies and 12 credit points chosen in consultation with the Social Science Teaching Area Coordinator

**Major**  
96 credit points – as for minor, plus 24 credit points chosen in consultation with the Social Science Teaching Area Coordinator

In selecting units, students should seek the advice of the Social Science Teaching Area Coordinator.

### Bachelor of Teaching External Child Care Upgrading Program (ED42)

This course is being phased out over the next year, and there will be no further intakes.

**Location:** Kelvin Grove campus

**Course Duration:** 2.5 years external

**Course Coordinator:** Dr June Kean

**Total Credit Points:** 144

**Special Requirements**

Applicants for the external upgrading program (equivalent to 18 months of full-time study) are required to have had experience in an early childhood care and education service of at least the equivalent of one year of full-time employment; and successful completion of the Associate Diploma in Child Care (BCAE) or Associate Diploma of Education (TAFE) or a relevant qualification in child care, education, health or social work equivalent to at least two years’ full-time study at tertiary level.

**Course Structure**

<table>
<thead>
<tr>
<th>Year 1, Semester 2 (July-November)</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAB501 Advanced Child Care Development &amp; Learning</td>
<td>16</td>
</tr>
<tr>
<td>EAB502 Advanced Curriculum Theory &amp; Design for Child Care</td>
<td>16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1 (February-June)</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAB103 Australian Families &amp; Early Education</td>
<td>8</td>
</tr>
<tr>
<td>EAB503 Teaching Strategies for Child Care</td>
<td>16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 2 (July-November)</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAB504 Programs &amp; Teaching Strategies for Children Under Three Years</td>
<td>16</td>
</tr>
<tr>
<td>EAB505 Learning Teaching &amp; Integrated Curriculum for 3-5 years</td>
<td>16</td>
</tr>
</tbody>
</table>

**Summer School (3 weeks within the November-January period)**

| EAB506 Field Project (Children 0-5 years) | 16 |

<table>
<thead>
<tr>
<th>Year 3, Semester 1 (February-June)</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAB144 Integrating the Exceptional Child in Early Childhood</td>
<td>8</td>
</tr>
<tr>
<td>EAB507 Early Childhood Leadership &amp; Management in the Sociocultural Context</td>
<td>16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 3, Semester 2 (3 weeks within the July-November period)</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAB508 Field Project (Children 0-12 years)</td>
<td>16</td>
</tr>
</tbody>
</table>
COURSES

- Master of Applied Science (Research) (HL84) ................................................................. 465
- Master of Health Science (HL88) ......................................................................................... 466
- Master of Nursing (NS85) .................................................................................................. 469
- Master of Public Health (PU85) ........................................................................................ 472
- Graduate Diploma in Nursing (NS64) .............................................................................. 474
- Graduate Diploma in Health Promotion (PU69) ................................................................. 476
- Graduate Diploma in Health Science (HL68) .................................................................... 477
- Graduate Diploma in Nutrition and Dietetics (PU62) ......................................................... 477
- Graduate Diploma in Occupational Health and Safety (PU65) ........................................... 477
- Graduate Diploma in Public Health (PU60) ....................................................................... 479
- Graduate Certificate in Nursing (NS32) .......................................................................... 479
- Bachelor of Applied Science (Honours) (HL52)
  Bachelor of Business (Honours) (HL58)
  Bachelor of Nursing (Honours) (HL50)
  Bachelor of Health Science (Honours) (HL55) ................................................................. 480
- Bachelor of Applied Science (Environmental Health) (PU42) ........................................... 481
- Bachelor of Applied Science (Home Economics) (PU49) .................................................. 481
- Bachelor of Applied Science (Human Movement Studies) (HM42) ............................... 482
- Bachelor of Applied Science (Occupational Health and Safety) (PU44) .......................... 483
- Bachelor of Applied Science (Optometry) (OP42) ............................................................ 484
- Bachelor of Applied Science (Podiatry) (PU45) ............................................................... 485
- Bachelor of Business (PU48) ........................................................................................... 485
- Bachelor of Health Science (PU40) ................................................................................... 486
- Bachelor of Health Science (PU43) .................................................................................... 491
- Bachelor of Nursing (Postregistration) (NS48) ................................................................. 494
- Bachelor of Nursing (Preregistration) (NS40) ................................................................. 496
Master of Applied Science (Research) (HL84)

**Location:** Kelvin Grove campus

**Course Duration:** 1-2 years full-time, 2-4 years part-time (see further details below)

**Course Coordinator:** For further information on the Master of Applied Science (Research), contact the Faculty of Health office.

**Entry Requirements**
The minimum academic qualifications for admission to the program are:

- possession of a Bachelor degree in Health Science, Applied Science or other approved degree from the Queensland University of Technology, or
- possession of an equivalent qualification, or
- submission of such other evidence of qualifications as will satisfy the academic board that the applicant possesses the capacity to pursue the course of study.

**Application for Admission**
The Master of Applied Science (Research) program is administered by the Health Faculty Academic Board through its Faculty Research Committee.

Applications for admission should set out fully the candidate’s intended course of study. If a student is admitted as a provisional candidate, they will be required to submit a detailed research proposal at the end of the first year of candidacy. This proposal should include the area of study, the coursework to be undertaken, the proposed title of the thesis to be written, the aim of the proposed program of research and investigation, its background, the significance and possible application of the research program, and the research plan.

Approval of publications is subject to receipt of a statement of support from the Head of School and Director of Centre in which the proposed research program is to be undertaken.

**Course of Study**
A candidate for the degree of Master of Applied Science undertakes a program of research and investigation on a topic approved by the Faculty Research Committee.

A candidate may be required to undertake an appropriate course of study concurrently with the research program. The course of study normally includes:

- a program of assessed coursework
- participation in University scholarly activities such as research seminars, teaching and publication
- regular face-to-face interaction with supervisors, and
- a program of supervised research and investigation.

**Duration of Course**
The length of the course will vary depending on the applicant’s qualifications on admission and the candidate’s progress during the course.

Applicants who possess a three-year undergraduate qualification or equivalent normally are enrolled as provisional students for a period of one year (full-time) or two years (part-time). Applicants who possess a four-year degree, Honours year or equivalent may be admitted with confirmed candidature.

Following confirmation of registration, candidates may submit their thesis for examination after a period of at least one year (full-time) or two years (part-time). Maximum periods for submission of thesis are two years (full-time) or four years (part-time) from the date of confirmed registration.
Master of Health Science (HL88)

Location: Kelvin Grove campus

Course Duration: 1.5 years full-time, 3 years part-time

Total Credit Points: 144

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr MaryLou O’Connor

Entry Requirements

To be eligible for entry applicants should hold:

(i) an appropriate three-year bachelor degree or equivalent and should normally have at least one year of appropriate work experience, or

(ii) an appropriate three-year bachelor degree with an additional one year of honours, or

(iii) an appropriate four-year bachelor degree or equivalent, or

(iv) an appropriate graduate diploma, or

(v) other qualifications acceptable to the Dean which may include substantial work experience or involvement in relevant research activities.

Candidates may be required to attend an interview with the relevant Head of the School in which they will complete their research project and thesis in order to establish suitability for entry into the course.

Advanced Standing

Candidates with a four-year degree or three-year degree with an additional one year of honours may be able to obtain advanced standing up to a maximum of 48 credit points for previous study.

Candidates with a Graduate Diploma in Occupational Health and Safety, Nutrition and Dietetics or Health Promotion wanting to continue in these specialisations may be able to obtain advanced standing up to a maximum of 96 credit points for previous study.

For candidates undertaking the Graduate Diploma in Health Promotion, there is complete articulation with the Masters degree program. In the case of the Graduate Diplomas in Occupational Health and Safety and Nutrition and Dietetics the articulation is less than complete because of professional requirements for credentialling and registration.

Candidates cannot normally enrol directly in the Masters degree in the areas of Nutrition and Dietetics, Occupational Health and Safety or Health Promotion unless they have completed relevant undergraduate qualifications in one of the above areas to the satisfaction of the Course Coordinator. Special consideration may be given to candidates on an individual basis by the Course Coordinator.

Advancement is not automatic and will be subject to the approval of the Course Coordinator.

Special Entry

Candidates who do not hold a qualification required of normal entrants may be required to successfully complete a bridging program or prerequisites prescribed by the Dean in consultation with the relevant Head of School.

Provisional Enrolment

Students who do not meet the Entry Requirements may be admitted on a provisional basis and be required to undertake preliminary coursework and reading as determined by the Course Coordinator. After satisfactory completion of the preliminary studies, students will be admitted to full candidature.

Early Exit from Course

Students who successfully complete the equivalent of one year of full-time study may exit from the program with a Graduate Diploma in Health Science.

Full-time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
<th>Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUP010 Health in Australian Society</td>
<td>12</td>
<td>3</td>
<td>KG</td>
</tr>
</tbody>
</table>
Select two from:

- PUN601 Contemporary Health Policies 12 3 KG
- PUN692 Health Care Delivery Systems\(^1\) 12 external
- HMN601 Exercise and Health Across the Lifespan\(^2\) 12 3 KG
- MAN009 Experimental Design & Statistical Analysis for Research\(^2\) 12 3 KG
- HLN405 Qualitative Research 12 3 KG

**plus**

- One core unit from List A 12 3 KG
- OR
- One specialist elective (see lists) 12 3 KG

**Year 1, Semester 2**

Three specialist electives from Lists B-J 36 9 KG

and:

- One elective unit\(^3\) 12

**Year 2, Semester 1**

Select from:

- Four electives 48
- OR
- HLN702 Project 24
- plus
- Two electives 24
- OR
- HLN700 Thesis 48

**Part-time Course Structure**

**Year 1, Semester 1**

- PUP010 Health in Australian Society 12 3 KG

Select one of:

- MAN009 Experimental Design & Statistical Analysis for Research\(^2\) 12 3 KG
- HLN405 Qualitative Research 12 3 KG

**Year 1, Semester 2**

Select two specialist electives from Lists B-J 24 6 KG

**Year 2, Semester 1**

Select one of:

- PUN601 Contemporary Health Policies 12 3 KG
- OR
- PUN692 Health Care Delivery Systems\(^1\) 12 external
- HMN601 Exercise & Health Across the Lifespan\(^2\) 12 3 KG
- AND
- one core unit from List A 12 3 KG

**Year 2, Semester 2**

Select one elective from Lists B-J AND

- one elective unit\(^3\) 12

**Year 3, Semester 1**

Select from:

- two electives 24
- OR
- HLN702 Project 24
- OR
- HLN750 Thesis 24

---

1. Compulsory for students undertaking the Health Administration Specialisation. This unit is not compatible with PUN601 Contemporary Health Policies.
2. Compulsory for those undertaking the Human Movement Studies Specialisation.
3. Elective units will only be offered if sufficient numbers enrol, thus different specialist electives may be subject to periodic intakes. Electives other than those listed above can be selected in consultation with the Course Coordinator.
Year 3, Semester 2
Select from:

- two electives

OR

- HLN702 Project

OR

- HLN750 Thesis

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Semester of Offer</th>
<th>Contact Hrs/Wk</th>
<th>Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
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</tbody>
</table>

**List A: Core Units (select one)**

<table>
<thead>
<tr>
<th></th>
<th>Credit Points</th>
<th>Semester of Offer</th>
<th>Contact Hrs/Wk</th>
<th>Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>LWS006 Health Ethics &amp; the Law</td>
<td>12</td>
<td>2</td>
<td>3</td>
<td>KG</td>
</tr>
<tr>
<td>PUN608 Health Economics &amp; Finance</td>
<td>12</td>
<td>2</td>
<td>3</td>
<td>KG</td>
</tr>
<tr>
<td>PUN610 Health Services Management</td>
<td>12</td>
<td>1,2</td>
<td>3</td>
<td>KG</td>
</tr>
<tr>
<td>PUP007 Social &amp; Behavioural Epidemiology</td>
<td>12</td>
<td>2</td>
<td></td>
<td>External</td>
</tr>
<tr>
<td>PUP014 School Health Education</td>
<td>12</td>
<td>1</td>
<td></td>
<td>External</td>
</tr>
<tr>
<td>PUP024 Foundations of Health Education</td>
<td>12</td>
<td>2</td>
<td></td>
<td>External</td>
</tr>
<tr>
<td>PUP025 Community Health Promotion</td>
<td>12</td>
<td>1</td>
<td></td>
<td>External</td>
</tr>
</tbody>
</table>

**Specialist Electives**

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Semester of Offer</th>
<th>Contact Hrs/Wk</th>
<th>Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>FT PT</td>
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</table>

**List B: Environmental Health**

<table>
<thead>
<tr>
<th></th>
<th>Credit Points</th>
<th>Semester of Offer</th>
<th>Contact Hrs/Wk</th>
<th>Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUN619 Environmental Health 1</td>
<td>12</td>
<td>1</td>
<td>3 3</td>
<td>KG</td>
</tr>
<tr>
<td>PUN620 Environmental Health 2</td>
<td>12</td>
<td>2</td>
<td>4 3</td>
<td>KG</td>
</tr>
<tr>
<td>PUN617 Environmental Health Management 1</td>
<td>12</td>
<td>2</td>
<td>2 3</td>
<td>KG</td>
</tr>
</tbody>
</table>

**List C: Health Promotion**

<table>
<thead>
<tr>
<th></th>
<th>Credit Points</th>
<th>Semester of Offer</th>
<th>Contact Hrs/Wk</th>
<th>Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUP021 Case Studies on Contemporary Health Issues</td>
<td>12</td>
<td>2</td>
<td>2 3</td>
<td>KG</td>
</tr>
<tr>
<td>PUP018 Health Promotion Strategies</td>
<td>12</td>
<td>2</td>
<td>4 3</td>
<td>KG</td>
</tr>
<tr>
<td>PUP023 Program Planning in School &amp; Community Health</td>
<td>12</td>
<td>2</td>
<td>4 3</td>
<td>KG</td>
</tr>
<tr>
<td>PUP022 Health Promotion Concepts &amp; Policy: A Critical Analysis</td>
<td>12</td>
<td>1</td>
<td>3 3</td>
<td>KG</td>
</tr>
<tr>
<td>PUN613 Health Promotion Planning &amp; Evaluation</td>
<td>12</td>
<td>2</td>
<td>4 3</td>
<td>KG</td>
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</tbody>
</table>

**List D: Home Economics**

<table>
<thead>
<tr>
<th></th>
<th>Credit Points</th>
<th>Semester of Offer</th>
<th>Contact Hrs/Wk</th>
<th>Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUN624 Home Economics Food &amp; Nutrition</td>
<td>12</td>
<td>2</td>
<td>4 3</td>
<td></td>
</tr>
<tr>
<td>PUN625 Home Economics Philosophical Foundations</td>
<td>12</td>
<td>1</td>
<td>3 External</td>
<td></td>
</tr>
<tr>
<td>PUN622 Clothing: The Human Constructed Environment</td>
<td>12</td>
<td>2</td>
<td>4 External</td>
<td></td>
</tr>
<tr>
<td>PUN623 Home Economics, The Family &amp; The Politics of Feminism</td>
<td>12</td>
<td>2</td>
<td>4 External</td>
<td></td>
</tr>
<tr>
<td>PUN626 Home Economics Field Study</td>
<td>12</td>
<td>2</td>
<td>4 External</td>
<td></td>
</tr>
</tbody>
</table>

**List E: Human Movement Studies**

Students should seek advice on unit selection and availability from the School of Human Movement Studies.

<table>
<thead>
<tr>
<th></th>
<th>Credit Points</th>
<th>Semester of Offer</th>
<th>Contact Hrs/Wk</th>
<th>Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMN605 Physical Activity in Disease</td>
<td>12</td>
<td>2</td>
<td>4 3</td>
<td>KG</td>
</tr>
<tr>
<td>HMN604 Social Issues in Physical Activity</td>
<td>12</td>
<td>2</td>
<td>4 3</td>
<td>KG</td>
</tr>
<tr>
<td>HMN602 Readings in Human Movement Studies</td>
<td>12</td>
<td>2</td>
<td>4 3</td>
<td>KG</td>
</tr>
<tr>
<td>HMP501 Nutrition &amp; Physical Activity for Special Populations</td>
<td>12</td>
<td>2</td>
<td>4 3</td>
<td>KG</td>
</tr>
<tr>
<td>HMP502 Exercise &amp; Weight Control</td>
<td>12</td>
<td>2</td>
<td>4 3</td>
<td>KG</td>
</tr>
<tr>
<td>HMP505 Clinical Measurement</td>
<td>12</td>
<td>2</td>
<td>4 3</td>
<td>KG</td>
</tr>
<tr>
<td>HMP507 Exercise &amp; Sport Psychology</td>
<td>12</td>
<td>2</td>
<td>4 3</td>
<td>KG</td>
</tr>
<tr>
<td>HMB480 Exercise Prescription for Special Populations</td>
<td>12</td>
<td>1</td>
<td>3 3</td>
<td>KG</td>
</tr>
</tbody>
</table>

3 Elective units will only be offered if sufficient numbers enrol, thus different specialist electives may be subject to periodic intakes. Electives other than those listed above can be selected in consultation with the Course Coordinator.
List F: Occupational Health & Safety

PUP116 Ergonomics 12 2 2 3 KG
PUP215 Occupational Health & Safety 12 2 2 3 KG
PUP250 Occupational Hygiene 12 2 4 3 KG
PUP511 Occupational Health Management 12 2 4 3 KG
PUP521 Risk Management 12 2 4 3 KG
PUP415 Occupational Health 12 1 3 3 KG
MEP201 Safety Technology & Practice 1 3 3 GP

List G: Optometry

OPN601 Advanced Contact Lens Studies 12 2 4 3 KG
OPN602 Advanced Clinical Methods 12 2 2 3 KG
OPN603 Advanced Ocular Pharmacology 12 2 2 3 KG
OPN605 Vision Rehabilitation 12 1 3 3 KG

List H: Podiatry

PUN627 Advanced Pharmacology 12 2 4 3 KG
PUN628 Clinical Pathology & Diagnosis 12 2 4 3 KG
PUN629 General Medicine 12 2 2 3 KG
PUN630 Computerised Gait Analysis 12 3 3 3 KG
PUN631 Podiatric Surgery 12 1 3 3 KG

List I: Health Information Management

PUN641 Clinical Data Management 12 2 2 3 KG
PUN642 Classification & Casemix in Health 12 2 4 3 KG
PUN643 Health Informatics 12 2 2 3 KG
PUN644 Case Studies in Health Information Management 12 to be advised

List J: Health Administration

PUN608 Health Economics and Finance 12 2 4 3 KG
PUN610 Health Services Management 12 1,2 3 KG
PUN611 Community Health Planning 12 2 4 3 KG
PUN612 Advanced Health Evaluation 12 2 4 3 KG

List K: Other Elective Options

HLN701 Literature Review 12 external
PUP027 Independant Study 12 external

Notes

Students undertaking the Nutrition & Dietetics specialisation should contact the subject area coordinator, Ms Sandra Capra for advice on an appropriate enrolment program.

Students undertaking the Optometry specialisation should contact the School of Optometry for advice on unit selection and availability.

Students wishing to undertake external units should indicate CEX as the campus code for such units on their enrolment form. For information on units offered in external mode contact the Faculty of Health.

Master of Nursing (NS85)

Course Requirements
Students are required to complete:

☐ three core units
☐ three clinical units (clinical specialisation or clinical studies)
☐ two approved elective units and either a:
☐ thesis, or a clinical project and two appropriate electives, or four appropriate electives.

Note: This course has undergone restructuring. Students who commenced this course prior to 1997 should contact the Course Coordinator to review details of their enrolment program for 1997.
### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSN501 Advanced Clinical Strategies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>NSN502 Nursing Knowledge</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSN521 Clinical Specialisation 1</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>NSN581 Clinical Studies 1</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Select one of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLN405 Qualitative Research</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MAN009 Experimental Design &amp; Statistical Analysis</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>NSN505 Quantitative Approaches to Nursing Research</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Year 1, Semester 2

Select one of the following units:
- NSN522 Clinical Specialisation 2
- NSN582 Clinical Studies 2

Select one of the following units:
- NSN523 Clinical Specialisation 3
- NSN583 Clinical Studies 3

Two elective Units (to be selected from List B) 24

#### Year 2, Semester 1

NSN502 Nursing Knowledge
- Select one of the following units:
  - MAN009 Experimental Design & Statistical Analysis
  - OR
  - NSN505 Quantitative Approaches to Nursing Research
  - OR
  - HLN405 Qualitative Research

#### Part-Time Course Structure

### Year 1, Semester 1

NSN501 Advanced Clinical Strategies 12 3

Select one of the following units:
- NSN521 Clinical Specialisation 1
- NSN581 Clinical Studies 1

### Year 1, Semester 2

Select one of the following units:
- NSN522 Clinical Specialisation 2
- NSN582 Clinical Studies 2

Select one of the following units:
- NSN523 Clinical Specialisation 3
- NSN583 Clinical Studies 3

### Year 2, Semester 1

NSN502 Nursing Knowledge 12 3

Select one of the following units:
- MAN009 Experimental Design & Statistical Analysis
  - OR
- NSN505 Quantitative Approaches to Nursing Research
  - OR
- HLN405 Qualitative Research

### Year 2, Semester 2

Two electives from List B 24

---

4 NSN523 Clinical Specialisation 3 will normally be undertaken as a block clinical practicum following semester.
Year 3, Semester 1
NSN825  Thesis 24
OR
NSN506  Clinical Project 24
OR
Two electives from List A 24

Year 3, Semester 2
NSN825  Thesis 24
OR
NSN506  Clinical Project 24
OR
Two electives from List B 24

NB: To be eligible to undertake the Thesis, students must have completed one research unit (Quantitative Approaches to Nursing Research or Experimental Design and Statistical Analysis or Qualitative Research)

Elective Lists

List A (Semester 1)
NSN505  Quantitative Approaches to Nursing Research
MAN009  Experimental Design and Statistical Analysis for Research
HLN405  Qualitative Research
NSN508  Advanced Readings
NSN509  Special Topic
PUN601  Contemporary Health Policies
PUN610  Health Services Management
PUP025  Community Health Promotion
PUP010  Health in Australian Society
PUP511  Occupational Health Management
HMN601  Exercise and Health Across the Lifespan
OR
Any other 12 credit point postgraduate unit for which students have the necessary prerequisites.

List B (Semester 2)
NSN505  Quantitative Approaches to Nursing Research
HLN405  Qualitative Research
NSN507  Contemporary Issues in Nursing
NSN508  Advanced Readings
NSN509  Special Topic
NSN510  Clinical Elective 1
NSN511  Clinical Elective 2
LWS006  Health, Ethics and the Law
PUP018  Health Promotion Strategies
PUP021  Case Studies in Contemporary Health Issues
PUP024  Foundations of Health Education
PUN608  Health Economics and Finance
PUN610  Health Services Management
PUN611  Community Health Planning
PUN643  Health Informatics
OR
Any other 12 credit point postgraduate unit for which students have the necessary prerequisites

Note: Students undertaking NSN850 Thesis or NSN506 Clinical Project must prepare a Research Proposal as early as possible in the semester of enrolment for the study or in the semester preceding enrolment. Any student wishing to alter his/her enrolment in any manner which impacts on clinical placement may do so following approval from the Postgraduate Course Coordinator.

5 Information about Nursing units is available from the School of Nursing General Office (07) 3864 3824, or the Course Coordinator (07) 3864 3842. Faculty of Health unit information is available from the Faculty General Office (07) 3864 5879.

6 Information about NSN510 Clinical Elective 1 and NSN511 Clinical Elective 2 is available from the Strand Coordinator.
Master of Public Health (PU85)

QUT, Griffith University and The University of Queensland offer a joint Master of Public Health (MPH) degree, bringing together interdisciplinary knowledge and skills in public health across the three universities. Students enrol in and graduate from the university in which they undertake their specialist elective units and which supervises their dissertation. A formal application is required to other institutions for cross-institutional status.

Location: Kelvin Grove campus; University of Queensland (Herston campus); Griffith University

Course Duration: 1.5 years full-time, 3 years part-time

Total Credit Points: 144

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor Don Stewart

Entry Requirements

The entry requirements for the Master of Public Health are identical for the three collaborating institutions, and are as follows:

(1) A person may first enrol as a candidate for the degree only if that person:

   (i) holds a bachelor degree from the university or a similar qualification from an approved institution in the health, behavioural, social or biological sciences with first or second class Honours, and

      (a) which required study for at least four years, or

      (b) which required study for at least three years, if

         (A) a postgraduate diploma from the university or an approved institution is also held, or

         (B) the research publications and written reports of that person satisfy the Faculty Academic Board that the applicant should be accepted as a candidate, and

   (ii) has, since obtaining the qualifications required, had training or experience in a relevant field for a period of at least

      (a) three years, where the applicant seeks entry through paragraph (i) (b) (B), or

      (b) two years, otherwise.

(2) The Dean may allow a person to be admitted as a candidate, if of the opinion:

   (i) that a person has obtained a basic professional qualification in the health, behavioural, social or biological sciences in that person’s home country

   (ii) that person has subsequently had at least four years of relevant professional experience, which may include a post-basic diploma or other relevant training, and

   (iii) the qualifications and experience referred to above warrant admission.

(3) Notwithstanding subrules (1) and (2), a person may not be admitted without first satisfying the Dean, if necessary by passing an examination, that the person has both the level of scientific understanding and the level of proficiency in the English language to undertake the course successfully.

(4) For the purposes of subrule (1) an approved institution is one which, in the opinion of the Faculty Academic Board, maintains standards comparable to those of the university.

Application for Admission

Students enrol at the university in which they expect to undertake their specialist elective units and in which their dissertation will be supervised. Because this choice must be made before enrolment, a person seeking entry to the degree of Master of Public Health must, prior to application for admission, consult the Directorate of the MPH program, telephone (07) 3875 7938, which is located at Griffith University, Nathan Campus.

Course of Study

(1) A candidate must:

   (i) pursue the course (full-time) for not less than three or more than six semesters, and
(ii) obtain 144 credit points (48 per semester full-time, 24 part-time) comprising:
(a) credit for all units listed in Part A of the Schedule (core units), and
(b) 48 credit points from units listed in Part B of the Schedule (units), and
(c) 48 credit points for PUN600 Dissertation (full-time) or PUN607 Dissertation (part-time).

(2) The Dean of Health may grant credit for a core unit if the Director considers the candidate has, while
enrolled in this course, passed a unit or units at least its equivalent in content and standard at any of the
three collaborating institutions.

Credit for a Unit
To obtain credit for a unit a candidate must:
(i) attend lectures, seminars, tutorials, practicals and other classes
(ii) undertake laboratory and fieldwork
(iii) complete assignments, project reports and theses
(iv) pass examinations, and
(v) fulfil any other requirement in the manner and to the extent prescribed by the Director concerned.

Dissertation
(1) A candidate may not submit a dissertation for PUN600 Dissertation (full-time) or PUN607 Dissertation
(part-time) without approval of the topic by the Director of the program after consultation with the
supervisors.

(2) The dissertation must be examined by two examiners appointed by the Director.

(3) A candidate may, with the approval of the Director, submit further original work, whether published
or not, for the consideration of the examiners.

(4) The Director shall determine whether credit will be awarded for the dissertation after considering the
reports of the examiners.

Power of the Faculty Board to Terminate Enrolment
The Faculty Academic Board may, at any time, terminate a candidate’s enrolment if it is of the opinion that
the candidate has supplied incomplete or inaccurate information with respect to application for enrolment.

Granting of Degree
The Master of Public Health degree may be conferred on a candidate who has fulfilled the requirements of
these rules and complied with the provisions of all Statutes and other applicable rules.

Course Structure
Students in the program undertake a coursework component in their first two semesters (full-time) or four
semesters (part-time – two units per semester), followed by a dissertation component of one semester (full-
time) or two semesters (part-time). The coursework component comprises four core units and four advanced
elective units.

PART A
Core Units
PUN603  Environment & Population Health (GU)\(^7\)  12  3
PUN604  Introduction to Epidemiology/Biostatistics (UQ)\(^7\)  12  3
PUN692  Health Care Delivery Systems (QUT)\(^7\)  12  3
PUN696  Introduction to Health Promotion (Coordinated by GU)  12  3

PART B
Advanced Elective Units Offered by QUT
LWS006  Health, Ethics & the Law  12  3
PUN608  Health Economics & Finance  12  3
PUN610  Health Services Management  12  3
PUN611  Community Health Planning  12  3

\(^7\) It is anticipated that these units will be available through flexible delivery mode in 1997.
PUN612 Advanced Health Evaluation 12 3
PUN613 Health Promotion Planning & Evaluation 12 3
PUN617 Environmental Health Management 12 3
PUP007 Social & Behavioural Epidemiology 12 3
PUP018 Health Promotion Strategies 12 3

Additional elective units are offered by other collaborating universities.

**PART C**

PUN600 Dissertation (full-time) 48
PUN607 Dissertation (part-time) 48

**Dissertation**
The dissertation is equivalent to an honours dissertation in type and scope and is expected to be between 10 000 and 20 000 words in length.

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**Graduate Diploma in Nursing (NS64)**

**Location:** Kelvin Grove campus

**Course Duration:** 1 year full-time, 2 years part-time.

**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Professor Ken Sellick

**Entry Requirements**

**Normal Entry**

Applicants for admission to the course shall hold:

(i) a nursing qualification acceptable for registration by the Queensland Nursing Council

(ii) a degree or diploma in nursing (or equivalent), and

(iii) normally have at least one year of appropriate post-registration clinical experience.

**Alternative Entry**

Applicants may be admitted on the basis of relevant experience at the discretion of the Head, School of Nursing.

**Special Course Requirements**
The Graduate Diploma course is comprised of strands which are clinically focused.

They are: Critical Care, Gerontological Nursing, Midwifery, Oncology, Women’s Health, Primary Health Care and Psychiatric/Mental Health. Within each strand there are two streams ‘clinical specialisation’ and ‘clinical studies’. If you are either very experienced, have a certificate in the area, or both, then it is likely that the ‘studies’ stream is appropriate for you. If you would like to focus on learning more about the practice area, then you might prefer to enrol in the ‘specialisation’ stream. The ‘specialisation’ stream involves substantial clinical experience. In the case of Midwifery and Psychiatric/Mental Health, those who are already endorsed should enrol in the ‘studies’ stream. Those who are seeking endorsement should enrol in the ‘specialisation’ stream.

**Full-Time Course Structure**

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSN501 Advanced Clinical Strategies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>NSN502 Nursing Knowledge</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSN521 Clinical Specialisation 1</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>NSN581 Clinical Studies 1</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Select one of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLN405 Qualitative Research</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

7 It is anticipated that these units will be available through flexible delivery mode in 1997.
<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Name</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN009</td>
<td>Experimental Design &amp; Statistical Analysis</td>
<td>12</td>
</tr>
<tr>
<td>NSN505</td>
<td>Quantitative Approaches to Nursing Research</td>
<td>12</td>
</tr>
</tbody>
</table>

**Year 1, Semester 2**
Select one of the following units:
- NSN522 Clinical Specialisation 2
- NSN582 Clinical Studies 2

Select one of the following units:
- NSN523 Clinical Specialisation 3
- NSN583 Clinical Studies 3

AND
Two elective units

**Part-Time Course Structure**

**Year 1, Semester 1**
NSN501 Advanced Clinical Strategies
AND

Select one of the following units:
- NSN521 Clinical Specialisation 1
- NSN581 Clinical Studies 1

**Year 1, Semester 2**
Select one of the following units:
- NSN522 Clinical Specialisation 2
- NSN582 Clinical Studies 2

AND

Select one of the following units:
- NSN523 Clinical Specialisation 3
- NSN583 Clinical Studies 3

**Year 2, Semester 1**
NSN502 Nursing Knowledge
AND

Select one of the following units:
- HLN405 Qualitative Research
- MAN009 Experimental Design & Statistical Analysis
- NSN505 Quantitative Approaches to Nursing Research

**Year 2, Semester 2**
Select two elective units

**Elective List**
- HLN405 Qualitative Research
- NSN505 Quantitative Approaches to Nursing Research
- NSN507 Contemporary Issues in Nursing
- NSN508 Advanced Readings in Nursing
- NSN509 Special Topic
- NSN510 Clinical Elective 1
- NSN511 Clinical Elective 2
- PUP018 Health Promotion Strategies
- PUP021 Case Studies on Contemporary Health Issues
- PUN643 Health Informatics
- LWS006 Health, Ethics and the Law
- PUN608 Health Economics and Finance
- PUN610 Health Services Management
- PUN611 Community Health Planning

Any other 12 credit point postgraduate unit for which students have the necessary prerequisites.

**Note:** Students are required to undertake Clinical Specialisation 1, 2 and 3 or Clinical Studies 1, 2 and 3.
Graduate Diploma in Health Promotion (PU69)

Location: Kelvin Grove campus

Course Duration: 2 years part-time internal and external or 1 year full-time

Total Credit Points: 96

Standard Credit Points/Part-Time Semester: 24

Course Coordinator: Dr Elizabeth Parker

Entry Requirements

To be eligible for admission, an applicant must hold the following:

(i) an approved degree/diploma, or General Nursing Certificate and two post-basic nursing certificates or equivalent, and

(ii) at least one year’s experience in the field of teaching or community health.

Special Course Requirements

There are three major areas in the course: compulsory units, professional units and elective units. All students are required to complete the compulsory units; however, with the approval of the Course Coordinator, PUP027 Independent Study (12 credit points) may be substituted for one of the compulsory units. Students can select professional units in the School or Community Health area. The scheduling of elective units is subject to staff availability and student demand.

Students should have access to school or community health settings or appropriate health organisations to enable work to be undertaken.

Note: Students wishing to progress to the Master of Health Science must complete MAN009 Experimental Design and Statistical Analysis for Research or HLN405 Qualitative Research.

### Full-time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUP 010</td>
<td>Health in Australian Society,</td>
<td>12</td>
</tr>
<tr>
<td>PUP 022</td>
<td>Health Promotion Concepts &amp; Policies: A Critical Analysis</td>
<td>12</td>
</tr>
<tr>
<td>Select one of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PUP 014</td>
<td>School Health Education</td>
<td>12</td>
</tr>
<tr>
<td>PUP 025</td>
<td>Community Health Promotion</td>
<td>12</td>
</tr>
<tr>
<td>Select one of the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLN 405</td>
<td>Qualitative Research</td>
<td>12</td>
</tr>
<tr>
<td>MAN009</td>
<td>Experimental Design &amp; Statistical Analysis</td>
<td>12</td>
</tr>
<tr>
<td>PUP 012</td>
<td>Program Evaluation</td>
<td>12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUP007</td>
<td>Social &amp; Behavioural Epidemiology</td>
<td>12</td>
</tr>
<tr>
<td>PUP 024</td>
<td>Foundations of Health Education</td>
<td>12</td>
</tr>
<tr>
<td>PUP 023</td>
<td>Program Planning in School &amp; Community Health</td>
<td>12</td>
</tr>
<tr>
<td>Elective Unit</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Elective Units

Elective unit to be selected from:

<table>
<thead>
<tr>
<th></th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LWS 006</td>
<td>Health Ethics &amp; the Law</td>
<td>12</td>
</tr>
<tr>
<td>PUP 018</td>
<td>Health Promotion Strategies</td>
<td>12</td>
</tr>
<tr>
<td>PUP 021</td>
<td>Case Studies on Contemporary Health Issues</td>
<td>12</td>
</tr>
<tr>
<td>PUP 027</td>
<td>Independnt Study</td>
<td>12</td>
</tr>
</tbody>
</table>

### Part-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUP010</td>
<td>Health in Australian Society</td>
<td>12</td>
</tr>
<tr>
<td>PUP022</td>
<td>Health Promotion Concepts &amp; Policies: A Critical Analysis</td>
<td>12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUP007</td>
<td>Social &amp; Behavioural Epidemiology</td>
<td>12</td>
</tr>
<tr>
<td>PUP024</td>
<td>Foundations of Health Education</td>
<td>12</td>
</tr>
</tbody>
</table>
Year 2, Semester 1
Select one of the following units:
PUP014 School Health Education 12 3
PUP025 Community Health Promotion 12 3
Select one of the following units:
HLN405 Qualitative Research 12 3
MAN009 Experimental Design & Statistical Analysis 12 4
PUP012 Program Evaluation 12 3

Year 2, Semester 2
PUP023 Program Planning in School & Community Health 12 3
Elective Unit 12

Elective Units
Elective unit to be selected from:
LWS006 Health Ethics & the Law 12 3
PUP018 Health Promotion Strategies 12 3
PUP021 Case Studies on Contemporary Health Issues 12 3
PUP027 Independent Study 12

Graduate Diploma in Health Science (HL68)
Location: Kelvin Grove campus
Course Duration: 1 year full-time, 2 years part-time
Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Dr MaryLou O’Connor

Entry Requirements
See Master of Health Science (HL88).

Course Requirements
Students complete a program totalling 96 credit points selected from the Master of Health Science (HL88) program.

Course Structure
Semesters 1 and 2 (Full-time) or Semester 1 to 4 (Part-time) of Master of Health Science (HL88).

Graduate Diploma in Nutrition And Dietetics (PU62)
Note: This course is not accepting new students. New students will undertake PU43.
Location: Kelvin Grove campus
Course Duration: 1.5 years full-time
Total Credit Points: 144
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Dr Sandra Capra

Professional Recognition
Graduates are eligible for membership of the Dietitians Association of Australia. This is the only recognised course for dietitians in Queensland.

Note: Continuing students should contact the Course Coordinator for details of their enrolment program in 1997.

Graduate Diploma in Occupational Health And Safety (PU65)
Location: Kelvin Grove campus
Course Duration: 1 year full-time, 2 years part-time
Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Mr Terry Farr

Entry Requirements

☐ Normal Entry
The normal entry requirement for the course is a Bachelor degree or equivalent in an appropriate discipline from a recognised tertiary institution. There is no assumption of prior knowledge in occupational health and safety.

☐ Special Entry
Special entry will be considered for a person without a degree, in view of experience and responsibility in occupational health and safety. As the course is academically demanding and high standards of performance are expected, such candidates will require either an extensive background in the discipline or other suitable tertiary qualifications and appropriate experience to be offered a place.

In some instances, preliminary bridging studies may be required.

☐ Additional Requirements
All applications for entry will be judged on their individual merit. Course quota and the benefit of having a diverse class cohort are factors which impact on the final offer of places.

Full-time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEP201 Safety Technology &amp; Practice 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP115 Occupational Health &amp; Safety Law &amp; Management 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP415 Occupational Health</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select one from the following units</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PUP511 Occupational Health Management8</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>HLN405 Qualitative Research8</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MAN009 Experimental Design &amp; Statistical Analysis8</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP010 Health in Australian Society8</td>
<td>12</td>
<td>3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUP116 Ergonomics</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP215 Occupational Health &amp; Safety Law &amp; Management 2</td>
<td>12</td>
<td>3</td>
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</table>

Part-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUP115 Occupational Health &amp; Safety Law &amp; Management 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP521 Risk Management</td>
<td>12</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUP116 Ergonomics</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP215 Occupational Health &amp; Safety Law &amp; Management 2</td>
<td>12</td>
<td>3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUP415 Occupational Health</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Select one from the following units:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PUP511 Occupational Health Management8</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>HLN405 Qualitative Research8</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MAN009 Experimental Design &amp; Statistical Analysis8</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP010 Health in Australian Society8</td>
<td>12</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>PUP250 Occupational Hygiene</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>PUP521 Risk Management</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

8 Elective units other than those listed can be selected in consultation with the Course Coordinator.
Graduate Diploma in Public Health (PU60)

Location: QUT (Kelvin Grove campus), University of Queensland and Griffith University

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor Don Stewart

Entry Requirements
See Master of Public Health (PU85).

Course Requirements
Students complete a program totalling 96 credit points selected from the Master of Public Health (PU85) program.

Course Structure
Semesters 1 and 2 (Full-time) or Semester 1 to 4 (Part-time) of Master of Public Health (PU85).

Graduate Certificate in Nursing (NS32)

Location: Kelvin Grove campus

Course Duration: 1 year part-time.

Total Credit Points: 48

Standard Credit Points: 24

Course Coordinator: Professor Ken Sellick

Entry Requirements
(i) current registration to practice in State of residence
(ii) a degree or Diploma in Nursing (or equivalent)
(iii) a minimum 3 months experience in relevant nursing specialty
(iv) continuing employment (min. .6FTE) in relevant specialty area

Specialty Areas Offered
- Critical Care Nursing
- Gerontological Nursing
- Oncology Nursing
- Primary Health Care
- Women’s Health Nursing

Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSN501</td>
<td>Advanced Clinical Strategies</td>
<td>12</td>
</tr>
<tr>
<td>NSN601</td>
<td>Clinical Theory 1</td>
<td>12</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSN602</td>
<td>Clinical Theory 2</td>
<td>12</td>
</tr>
<tr>
<td>AND</td>
<td>One Elective</td>
<td></td>
</tr>
</tbody>
</table>

Elective List

- HLN405 Qualitative Research | 12 | 3 |
- NSN505 Quantitative Approaches to Nursing Research | 12 | 3 |
- NSN507 Contemporary Issues In Nursing | 12 |
- NSN508 Advanced Readings in Nursing | 12 |
- NSN509 Special Topic | 12 |
- NSN510 Clinical Elective 1 | 12 |
- NSN511 Clinical Elective 2 | 12 |
- PUP018 Health Promotion Strategies | 12 | 3 |
- PUP021 Case Studies on Contemporary Health Issues | 12 | 3 |
PUN643 Health Informatics 12 3
LWS006 Health, Ethics and the Law 12 3
PUN608 Health Economics and Finance 12 3
PUN610 Health Services Management 12 3
PUN611 Community Health Planning 12 3

Any other 12 credit point postgraduate unit for which students have the necessary prerequisites.

* Bachelor of Applied Science (Honours) (HL52)  
  Bachelor of Business (Honours) (HL58)  
  Bachelor of Nursing (Honours) (HL50)  
  Bachelor of Health Science (Honours) (HL55)*

**Location:** Kelvin Grove campus

**Course Duration:** 1 year full-time, 2 years part-time

**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Dr Elizabeth Parker

**Entry Requirements**

- **Normal Entry**
  To be eligible for entry, students should have completed the University’s Bachelor of Applied Science (HM42, PU42, PU44, PU45, PU49), Bachelor of Business (Health Administration) (PU48) or Bachelor of Nursing (NS40, NS48) or equivalent.
  
  Students should have attained a grade point average (GPA) of at least 5.0 over the pass degree.
  
  Application should be made at the end of the final year of the pass degree or within 18 months of completing that degree.

- **Special Entry**
  Applicants who do not satisfy the normal entry requirements but who have demonstrated outstanding performance in only the final year of a degree, or whose application is based on other factors including work experience or involvement in research, may be admitted at the discretion of the Dean.

**Full-Time Course Structure**

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
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<tbody>
<tr>
<td>HLP101 Advanced Discipline Readings</td>
<td>12</td>
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<tr>
<td>HLP103/1 Dissertation</td>
<td>12</td>
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<tr>
<td>Select one of the following units:</td>
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<tr>
<td>MAN009 Experimental Design &amp; Statistical Analysis</td>
<td>12</td>
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<tr>
<td>HLN405 Qualitative Research</td>
<td>12</td>
<td>3</td>
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<tr>
<td>Elective Unit</td>
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<tr>
<td>Year 1, Semester 2</td>
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<tr>
<td>HLP102 Research Seminars</td>
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<td>HLP103/2/3/4 Dissertation</td>
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**Part-Time Course Structure**

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<tr>
<td>Select one of the following units:</td>
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</tr>
<tr>
<td>MAN009 Experimental Design &amp; Statistical Analysis</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>HLN405 Qualitative Research</td>
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<td>3</td>
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<tr>
<td>Elective Unit</td>
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<tr>
<td>HLP101 Advanced Discipline Readings</td>
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9. For introduction in 1997 subject to final approval.
Year 2, Semester 1
HLP103/2/3 Dissertation 24

Year 2, Semester 2
HLP102 Research Seminars 12
HLP103/4 Dissertation 12

Note: Bachelor of Nursing (Honours) (HL50) students are required to complete MAN009 and HLN405.

Elective Units
Students undertake a 12 credit point elective. This may be selected from any Honours or postgraduate program offered by the University, subject to prerequisite requirements and with the approval of the student’s mentor/supervisor and the Course Coordinator. Normally the elective unit is chosen from within the student’s discipline area or from an area which complements or is germane to the student’s study program. Students may also select one of MAN009 Experimental Design and Statistical Analysis for Research or HLN405 Qualitative Research as an elective.

Dissertation
The Dissertation is one unit valued at 48 credit points. It is commenced during semester 1 (full-time mode) or semester 2 (part-time mode) and completed over the course of the program. Preparation and presentation of the Dissertation are completed under the guidance of a supervisor.

Bachelor of Applied Science (Environmental Health) (PU42)
Note: This course is not accepting new students. New students will undertake PU40.
Location: Kelvin Grove campus
Course Duration: 3 years full-time
Total Credit Points: 288
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Mr Bruce Fleming

Professional Recognition
Graduates are eligible for membership of the Australian Institute of Environmental Health and the Environmental Institute of Australia. This course is the only one available in Queensland from which graduates will be accredited to work as an environmental health officer within the state.

Course Requirements
A registered student may enrol only in a full-time program. Arrangements to complete the course through a ‘sandwich’ program can be discussed with the Course Coordinator. This method of attendance is relevant to students living outside the Brisbane region and those who are employed as trainee Environmental Health Officers. Trainee Environmental Health Officers are permitted a maximum of six years to complete the course.

Field trips as detailed in the unit synopses have an attendance requirement and will be assessed.
Note: Continuing students should contact the Course Coordinator for details of their enrolment program in 1997.

Bachelor of Applied Science (Home Economics) (PU49)
Note: This course is not accepting new students. New students will undertake PU40.
Location: Kelvin Grove campus
Course Duration: 3 years full-time
Total Credit Points: 288
Course Coordinator: Mr Claus Jehne

Course Requirement
Note: Continuing students should contact the Course Coordinator for details of their enrolment program in 1997.
Bachelor of Applied Science (Human Movement Studies) (HM42)

**Location:** Kelvin Grove Campus

**Course Duration:** 4 years full-time

**Total Credit Points:** 384

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Associate Professor Andrew Hills

**Special Course Requirements**

Students must complete units totalling at least 384 credit points including foundation units, a major (and minor) study, elective units, practicum experiences and fourth-year studies.

A major (120 credit points) must be completed in the specified discipline area of Exercise and Sport Science. This includes compulsory second-level units (72 credit points), one compulsory third-level unit (HMB382) and three additional third-level units (36 credit points).

As a professional degree, the program has a number of compulsory practicum experiences throughout the first three years in preparation for the substantive practicum period in Year 4.

Subject to appropriate prerequisite units being completed a minor may be undertaken in any approved discipline within the University. Completion of a minor consists of passing units totalling at least 48 credit points from second and third levels (including at least 24 credit points at third level). Students may choose to complete minor study and elective units from School of Human Movement Studies offerings. Students will be provided with examples of suites of units they may choose to pursue from Faculty of Health or wider university offerings. This sequence of units will be organised to provide emphases in areas of human movement studies such as health and fitness leadership, exercise rehabilitation and exercise sports nutrition.

The degree may be awarded with Honours, First Class Honours, Second Class Honours, Division A and Second Class Honours Division B. Candidates for the degree with Honours must fulfil the requirements for the pass degree and achieve such a standard of proficiency in all the units of the course as may from time to time be determined by the Health Academic Board and approved by the University Academic Board.

All commencing and continuing students are required to attend scheduled academic advisory sessions to plan their progression through the course, and to obtain approval of an academic adviser prior to effecting any change of enrolment.

**Full-Time Course Structure**

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/week</th>
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<tbody>
<tr>
<td>LSB131 Anatomy</td>
<td>12</td>
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<tr>
<td>HMB171 Fitness, Health &amp; Wellness</td>
<td>12</td>
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<tr>
<td>HMB313 Socio-cultural Foundations of Physical Activity</td>
<td>12</td>
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<td>SSB912 Psychology</td>
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<tr>
<td>LSB231 Physiology</td>
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<tr>
<td>HMB276 Research in Human Movement</td>
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<td>PUB233 Information, Education &amp; Communication for Health</td>
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<tbody>
<tr>
<td>HMB274 Functional Anatomy</td>
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<td>HMB271 Motor Control &amp; Learning</td>
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<tr>
<td>HMB172 Nutrition &amp; Physical Activity</td>
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<td>HMB273 Bioenergetics and Muscle Physiology in Exercise</td>
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<tr>
<td>HMB272 Biomechanics</td>
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<td>4</td>
</tr>
<tr>
<td>HMB275 Exercise &amp; Sport Psychology</td>
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<tr>
<td>HMB382 Exercise Prescription</td>
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<td>Major Study 1</td>
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Minor Study 2 12
Elective 12

**Year 3, Semester 2**
Minor Study 3 12
Major Study 2 12
Major Study 3 12
Minor Study 4 12

**Year 4, Semester 1**
HMB471 Project 1 12
Elective 12
Advanced Elective 12
Advanced elective 12

**Year 4, Semester 2**
HMB472 Project 2 12
HMB475 Practicum 36

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**Third Level units**

All third level units are not available in every semester. Students should consult school noticeboards for availability.

- HMB361 Functional Anatomy 2 12 4
- HMB362 Biomechanics 2 12 4
- HMB363 Independent Study 12 4
- HMB364 Seminars in Human Movement 12 4
- HMB371 Motor Control & Learning 2 12 4
- HMB372 Biophysical Bases of Rehabilitation 12 4
- HMB374 Psychology of Rehabilitation 12 4
- HMB375 Adapted Physical Activity 12 4
- HMB376 Motor Development in Children 12 4
- HMB377 Children in Sport 12 4
- HMB381 Cardiovascular and Pulmonary Physiology in Exercise 12 3
- HMB383 Workplace Health 12 4
- HMB384 Injury Prevention & Rehabilitation 12 4
- HMB480 Exercise Prescription for Special Populations 12 4

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**Bachelor of Applied Science (Occupational Health And Safety) (PU44)**

**Note:** This course is not accepting new students. New students will undertake PU40.

**Location:** Kelvin Grove campus

**Course Duration:** 3 years full-time

**Total Credit Points:** 288

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Mr Terry Farr

**Course Requirement**

**Note:** Continuing students should contact the Course Coordinator for details of their enrolment program in 1997.

**Cooperative Education Program**

A registered student who has completed the first and second years of the standard full-time course, normally with a GPA of not less than 4.5 overall, may, at the discretion of the Course Coordinator, undertake the Cooperative Education option. This involves 10-12 months of paid full-time employment in an approved industrial/commercial setting during which time the student is enrolled in PUB695 Industrial Training Experience. On completion of the approved cooperative education placement the student resumes formal third year studies but is not required to complete the units PUB516 Occupational Health & Safety Practice 1 and PUB613 Occupational Health & Safety 2. Approval of enrolment in the cooperative education program is dependent on the availability of places and on individual student performance in the first two years of the course.
**Bachelor of Applied Science (Optometry) (OP42)**

**Location:** Kelvin Grove campus

**Course Duration:** 4 years full-time

**Total Credit Points:** 384

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Associate Professor Peter Swann

**Professional Recognition**

In each State and Territory of Australia, the practice of optometry is regulated by Boards of Optometrical Registration which are statutory bodies set up under States’ legislation. Under these Acts, the practice of optometry is restricted to persons whose names appear on the Register. On completion of the degree course at QUT, the graduate will have satisfied the requirements of the Optometrists’ Board of Queensland, and may apply for registration to practise as an optometrist in Queensland and all States and Territories of Australia.

**Special Course Requirements**

The degree may be awarded with Honours, First Class Honours, Second Class Honours Division A and Second Class Honours Division B. Candidates for the degree with Honours must fulfil the requirements for the pass degree and achieve such standard of proficiency in all the units of the course as may from time to time be determined by the Health Academic Board and approved by Academic Committee.

Ophthalmic instruments are required by students for the clinical program from the beginning of the third and fourth years of the course. Academic staff provide advice regarding the purchase of these instruments. Total costs are estimated to be $3000 – $4000.

**Full-Time Course Structure**

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tr>
<td><strong>Year 1, Semester 1</strong></td>
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<tr>
<td>CHB142 Chemistry 1</td>
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<td>LSB130 Anatomy 1</td>
<td>8</td>
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<tr>
<td>LSB161 Biology</td>
<td>8</td>
<td>3</td>
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<tr>
<td>MAB251 Mathematics 1</td>
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<tr>
<td>PHB122 Physics 1</td>
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<td><strong>Year 1, Semester 2</strong></td>
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<tr>
<td>CHB242 Chemistry 2</td>
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<td>LSB230 Anatomy 2</td>
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<td>OPB210 Optometry 2</td>
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<td>OPB232 Ophthalmic Optics 2</td>
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<td>LSB371 Biochemistry 4</td>
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<td>LSB451 Human Physiology</td>
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<td>MAB252 Statistics</td>
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<td>OPB312 Visual Science 3</td>
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<td>PHB340 Optics 3</td>
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<tr>
<td>LSB370 Disease Processes</td>
<td>4</td>
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<tr>
<td>LSB491 Microbiology 3</td>
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<tr>
<td>OPB401 Ocular &amp; Regional Anatomy</td>
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<td>OPB405 Clinical Optometry 4</td>
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<tr>
<td>OPB412 Visual Science 4</td>
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<td>OPB415 Ocular Physiology</td>
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<td><strong>Year 3, Semester 1</strong></td>
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<td>OPB504 Ophthalmic Optics 5</td>
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<td>OPB505 Clinical Optometry 5</td>
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<td>OPB509 Optometry 5</td>
<td>18</td>
<td>9</td>
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<td>OPB520 Pharmacology</td>
<td>6</td>
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<tr>
<td>OPB527 Diseases of the Eye 5</td>
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</table>
### Bachelor of Applied Science (Podiatry) (PU45)

**Note:** This course is not accepting new students. New students will undertake PU43.

**Location:** Kelvin Grove campus

**Course Duration:** 3 years full-time

**Total Credit Points:** 288

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Mr Alan Crawford

**Professional Recognition**

Graduates are eligible for State Registration throughout Australia. This qualification is also acceptable for registration in the United Kingdom, New Zealand and the EEC countries.

Graduates also become Members of the Australian Podiatry Association and are eligible to apply for membership of the Australian Sports Medicine Federation.

**Course Requirement**

Students are required to undertake 180 hours of clinical practice between semesters in the second and third years of the course.

**Note:** Continuing students should contact the Course Coordinator for details of their enrolment program in 1997.

### Bachelor of Business (PU48)

**With majors in:** Health Administration and Health Information Management.

**Note:** This course is not accepting new students. New students will undertake PU40.

**Location:** Kelvin Grove campus

**Course Duration:** 3 years full-time (Health Information Management major), 3 years full-time or 6 years part-time (Health Administration major)

**Total Credit Points:** 288

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Ms Jennifer Nicol

**Professional Recognition**

Students who complete the Health Administration major are eligible for membership of the Australian College of Health Service Executives.
Students who complete the Health Information Management Major are eligible for membership of the Health Information Management Association of Australia (HIMAA).

**Course Requirements**

**Note:** Continuing students should contact the Course Coordinator for details of their enrolment program in 1997.

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**Bachelor of Health Science (PU40)**

With majors in: Environmental Health, Family and Consumer Studies, Health Administration, Health Information Management, Occupational Health and Safety, and Public Health

**Location:** Kelvin Grove campus

**Course Duration:** 3 years full-time (Environmental Health, Health Information Management, Family and Consumer Studies, Occupational Health and Safety, Public Health); 3 years full-time or 6 years part-time (Health Administration only)

**Total Credit Points:** 288

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Bruce Fleming

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**ENVIRONMENTAL HEALTH**

**Course Requirements**

Arrangements to complete the course through a ‘sandwich’ program can be discussed with the Course Coordinator. This method of attendance is relevant to students living outside the Brisbane region and those who are employed as trainee Environmental Health Officers. Trainee Environmental Health Officers are permitted a maximum of six years to complete the course.

**Professional Recognition**

Students who complete the Environmental Health major will be eligible for membership of the Australian Institute of Environmental Health and the Environment Institute of Australia. This course is the only one available in Queensland from which graduates will be accredited to work as an environmental health officer within the state.

**Full-time Course Structure**

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>CHB142 Chemistry</td>
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<tr>
<td>LSB118 Introduction to Life Science</td>
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<tr>
<td>PHB150 Physics 1H</td>
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<tr>
<td>PUB107 Introduction to Environmental Health</td>
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<td>CHB242 Chemistry 2</td>
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<td>PHB263 Physics 2E</td>
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<td>PUB200 Environmental Protection</td>
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<tr>
<td>PUB251 Contemporary Public Health</td>
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<tr>
<td>CNB171 Construction 1</td>
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<td>CHB411 Environmental Analytical Chemistry</td>
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<td>LSB142 Human Anatomy &amp; Physiology</td>
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<td>PUB314 Epidemiology &amp; Statistics</td>
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<td>PUB316 Research Methods</td>
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<td>PUB419 Environmental Management I</td>
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<td>PUB112 Occupational Health &amp; Safety 1</td>
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</tr>
<tr>
<td>PUB517 Food Hygiene Studies</td>
<td>12</td>
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</table>
**FAMILY AND CONSUMER STUDIES**

**Professional Recognition**

Students who complete the Family and Consumer Studies major will be eligible for membership of the Public Health Association of Australia, the Home Economics Institute of Australia and the Community Health Association.

<table>
<thead>
<tr>
<th>Course Structure</th>
<th>Credit Points</th>
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<td><strong>Year 1, Semester 1</strong></td>
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<tr>
<td>PUB123 Human Development &amp; Relationships</td>
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<tr>
<td>PUB251 Contemporary Public Health</td>
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<td>PUB103 Primary Health Care 1</td>
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<td>PUB105 Psychosocial &amp; Cultural Studies of the Family</td>
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<tr>
<td>PUB201 Public Health Nutrition 1</td>
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<td>PUB217 Management &amp; Consumer Studies</td>
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<td>PUB233 Communication, Information &amp; Education for Health</td>
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**HEALTH ADMINISTRATION**

**Professional Recognition**

Students who complete the Health Administration major will be eligible for membership of the Australian College of Health Service Executives.

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<th>Course Structure</th>
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<td>MGB211 Organisational Behaviour</td>
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**Year 1, Semester 2**
- AYB120 Business Law 12 3
- BSB115 Management, People & Organisations 12 3
- PUB251 Contemporary Public Health 12 4
- PUB233 Communication, Information & Education for Health 12 4

**Year 2, Semester 1**
- BSB110 Accounting 12 3
- EPB104 Microeconomics 12 3
- PUB314 Epidemiology & Statistics 12 4
- PUB380 Casemix Management 12 3

**Year 2, Semester 2**
- MGB207 Managing Human Resources 12 3
- PUB418 Health Computer System 12 3
- PUB432 Health Care Economics 12 3
- PUB480 Health Administration Finance 12 3

**Year 3, Semester 1**
- PUB529 Health Planning & Evaluation 12 3
- PUB655 Health Policy & Planning 12 3
- Elective
- Elective

**Year 3, Semester 2**
- PUB316 Research Methods 12 4
- PUB659 Management of Health Services 12 3
- Elective
- Elective

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**HEALTH INFORMATION MANAGEMENT**

**Professional Recognition**

Students who complete the Health Information Management major will be eligible for membership of the Health Information Management Association of Australia.

**Year 1, Semester 1**
- LSB142 Human Anatomy & Physiology 12 5
- LWS001 Medicine & the Law 12 3
- PUB199 Health Information Management 1 12 3
- PUB251 Contemporary Public Health 12 4

**Year 1, Semester 2**
- LSB361 Fundamentals of Medicine 12 5
- PUB220 Medical Terminology 12 3
- PUB233 Communication, Information & Education for Health 12 4
- PUB298 Health Information Management 2 12 3

**Year 2, Semester 1**
- EPB104 Microeconomics 12 3
- PUB314 Epidemiology & Statistics 12 4
- PUB356 Clinical Classification 1 12 3
- PUB380 Casemix Management 12 3

**Year 2, Semester 2**
- BSB112 Business Technology & Information 12 3
- MGB207 Managing Human Resources 12 3
- PUB456 Clinical Classification 2 12 3
- PUB480 Health Administration Finance 12 3

**Year 3, Semester 1**
- BSB115 Management, People & Organisations 12 3
- PUB316 Research Methods 12 4
- OR
- PUB529 Health Planning & Evaluation 12 3
- PUB553 Professional Experience 12 3
- PUB599 Health Information Management 3 12 3
### Year 3, Semester 2
- PUB202 Approaches to Public Health Problems 12 3
- PUB418 Health Computer Systems 12 3
- PUB619 Health Information Management 4 12 3
- PUB659 Management of Health Services 12 3

### OCCUPATIONAL HEALTH AND SAFETY

#### Professional Recognition
Students who complete the Occupational Health and Safety major will be eligible for membership of the Safety Institute of Australia, the Ergonomics Society of Australia and the Australian Institute of Occupational Hygienists.

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<td>PHB263 Physics 2E</td>
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<td>PUB485 Occupational Hygiene 1</td>
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<td>LSB401 Microbiology</td>
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<td>PUB516 Occupational Health &amp; Safety Practice 1</td>
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<td>PUB613 Occupational Health &amp; Safety Practice 2</td>
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<td>PUB615 Occupational Health &amp; Safety Management</td>
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### Cooperative Education Program
A registered student who has completed the first and second years of the standard full-time course, normally with a GPA of not less than 4.5 overall, may, at the discretion of the Course Coordinator, undertake the Cooperative Education option. This involves 10-12 months of paid full-time employment in an approved industrial/commercial setting during which time the student is enrolled in PUB695 Industrial Training Experience. On completion of the approved cooperative education placement the student resumes formal third year studies but is not required to complete the units PUB516 Occupational Health & Safety Practice 1 and PUB613 Occupational Health & Safety 2. Approval of enrolment in the cooperative education program is dependent on the availability of places and on individual student performance in the first two years of the course.

### PUBLIC HEALTH

#### Professional Recognition
Students who complete the Public Health major will be eligible for membership of the Public Health Association of Australia and the Australian Association of Health Promotion Professionals.
<table>
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<tr>
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**Elective Units**

Elective units may be chosen from any degree course, subject to prerequisite requirements, credit points, availability of the unit and approval of the Head of School. Suggested electives include:

**Semester 1 Electives**

**List A (Level 1)**

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<td>HMB171</td>
<td>Fitness, Health &amp; Wellness</td>
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<td>Human Anatomy &amp; Physiology</td>
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<td>Nutrition Education</td>
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<td>PUB349</td>
<td>Families &amp; Households in Australia</td>
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<td>SSB806</td>
<td>Interpersonal &amp; Group Processes</td>
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**Semester 2 (Level 1)**

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**Semester 1 (Level 2 or 3)**

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<td>PUB724</td>
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<td>Food Presentation &amp; Promotion Professionals</td>
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<td>SSB039</td>
<td>Contemporary Social Policies</td>
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<td>3</td>
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</table>

Or any other suitable unit as approved by the Course Coordinator.

**Bachelor of Health Science (PU43)**

With majors in: Nutrition and Dietetics and Podiatry.

**Location:** Kelving Grove Campus

**Course Duration:** 4 years full-time (Nutrition and Dietetics, Podiatry)

**Total Credit Points:** 384

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Bruce Fleming

**NUTRITION AND DIETETICS**

**Professional Recognition**

Students who complete the Nutrition and Dietetics major will be eligible for membership of the Dietitians Association of Australia (accreditation currently being sought).

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>CHB142 Chemistry 1</td>
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<tr>
<td>LSB131 Anatomy</td>
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<td>PUB251 Contemporary Public Health</td>
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<td>Course Code</td>
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<td>Credits</td>
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**Year 2, Semester 2**

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<td>Clinical Physiology</td>
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<td>PUB405</td>
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**Year 3, Semester 1**

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<td>Research Methods</td>
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<td>PUB506</td>
<td>Foodservice Management</td>
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<td>Public Health Nutrition 2</td>
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<td>PUB526</td>
<td>Clinical Dietetics 1</td>
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**Year 3, Semester 2**

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<td>PUB628</td>
<td>Advanced Food Studies</td>
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**Year 4, Semester 1**

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<td>PUB501</td>
<td>Applied Counselling for Health Professionals</td>
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<td>PUB721</td>
<td>Practice in Clinical Dietetics 1</td>
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<td>PUB722</td>
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**Year 4, Semester 2**

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<td>Practice in Community Nutrition</td>
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<td>PUB824</td>
<td>Practice in Foodservice Management</td>
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<td>PUB825</td>
<td>Professional Practice Elective</td>
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**PODIATRY**

**Professional Recognition**

Students who complete the Podiatry major will be eligible for membership of the Australian Podiatry Association, The Queensland Podiatry Association and the Australian Sports Medicine Federation.

<table>
<thead>
<tr>
<th>Course Code</th>
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<td>PHB150</td>
<td>Physics 1H</td>
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<td>PUB251</td>
<td>Contemporary Public Health</td>
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**Year 2, Semester 2**

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<thead>
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<td>Advanced Anatomy</td>
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<td>Biochemistry 4</td>
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<td>5</td>
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<td>PUB233</td>
<td>Communication, Information &amp; Education for Health Professionals</td>
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**Year 2, Semester 1**

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<td>Human Physiology</td>
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<td>PUB314</td>
<td>Epidemiology &amp; Statistics</td>
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<td>PUB324</td>
<td>Podiatric Medicine 1 (includes clinic work)</td>
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<td>16</td>
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**Year 2, Semester 2**

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<td>LSB411</td>
<td>Microbiology</td>
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<td>LSB475</td>
<td>Disease Processes 4</td>
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Year 3, Semester 1
- PUB522 Podiatric Anaesthesiology 12 3
- PUB523 Medicine 12 3
- PUB524 Podiatric Medicine 3 (includes clinic work) 12 6
- PUB525 Pharmacology 12 3

Year 3, Semester 2
- PHB313 Radiographic Image Interpretation 12 3
- PUB623 Dermatology 12 3
- PUB624 Podiatric Medicine 4 (includes clinic work) 12 16
- PUB635 Podiatric Surgery 12 5

Year 4, Semester 1
- PUB726 Orthopaedics 12 3
- PUB727 Physical Medicine 12 3
- PUB728 Clinical Medicine 1 12 3
- PUB729 Professional Internship 1 12

Year 4, Semester 2
- PUB826 Project & Professional Management 12 3
- PUB827 Sports Medicine 12 3
- PUB828 Clinical Medicine 2 12 3
- PUB829 Professional Internship 2 12

Elective Units
Elective units may be chosen from any degree course, subject to prerequisite requirements, credit points, availability of the unit and approval of the Head of School. Suggested electives include:

**Semester 1 Electives**

**List A (Level 1)**
- CHB149 Principles of Chemistry
- EPB104 Microeconomics
- HMB171 Fitness, Health & Wellness
- LSB142 Human Anatomy & Physiology
- LWS001 Medicine & the Law
- PUB107 Introduction to Environmental Health
- PUB112 Occupational Health & Safety 1
- PUB309 Design Applications
- PUB341 Nutrition Education
- PUB316 Research Methods
- PUB349 Families & Households in Australia
- SSB806 Interpersonal & Group Processes
- SSB807 Human Sexuality
- SSB913 Developmental Psychology
- HMB171 Fitness, Health & Wellness

**Semester 2 (Level 1)**
- HMB171 Fitness, Health & Wellness
- HMB273 Exercise Physiology
- HMB277 Exercise & Sports Nutrition
- LSB401 Microbiology
- PUB202 Approaches to Public Health Problems
- PUB217 Management & Consumer Studies
- PUB225 Shelter Studies
- PUB316 Research Methods
- PUB318 Conceptual Foundations
- PUB336 Women’s Health
- PUB338 Substance Use in Contemporary Society
- PUB432 Health Care Economics
- SSB806 Interpersonal & Group Processes
- SSB807 Human Sexuality
- SSB913 Developmental Psychology
Bachelor of Nursing (Postregistration) (NS48)

Location: Kelvin Grove campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48cp

Course Coordinator: Associate Professor Paul Morrison

Electives

Students may select electives (other than the identified nursing elective) either within or outside the School of Nursing. It will be necessary to seek approval from the appropriate School/Faculty to enrol in elective units.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>NSB321 Professional Practice Development&lt;sup&gt;10&lt;/sup&gt;</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>NSB224 Research Approaches in Nursing&lt;sup&gt;10&lt;/sup&gt;</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LSB182 Bioscience 1 OR SSB982 Introduction to Social Science &amp; Health Care OR SSB101 Introduction to Psychology &amp; Health Care OR HUB009 Ethics, Law &amp; Health Care&lt;sup&gt;11&lt;/sup&gt; AND Elective (from List A)</td>
<td>12</td>
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</table>

<sup>10</sup> Compulsory Core Units

<sup>11</sup> Or any other approved unit.
**Year 1, Semester 2**

<table>
<thead>
<tr>
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<th>Course Name</th>
<th>Credits</th>
<th>Points</th>
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<tbody>
<tr>
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<tr>
<td>OR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSB113</td>
<td>Values, Culture &amp; Nursing</td>
<td>12</td>
<td>3</td>
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<tr>
<td>OR</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>NSB223</td>
<td>Mental Health Nursing(^{11})</td>
<td>12</td>
<td>3</td>
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<tr>
<td>AND</td>
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<tr>
<td>Electives(^{12})</td>
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**Part-Time Course Structure**

**Year 1, Semester 1**

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<tr>
<td>LSB182</td>
<td>Bioscience 1</td>
<td>12</td>
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</tr>
<tr>
<td>OR</td>
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<td></td>
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</tr>
<tr>
<td>SSB982</td>
<td>Introduction to Social Science &amp; Health Care</td>
<td>12</td>
<td>3</td>
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<tr>
<td>OR</td>
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</tr>
<tr>
<td>SSB101</td>
<td>Introduction to Psychology &amp; Health Care</td>
<td>12</td>
<td>3</td>
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<td>OR</td>
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<tr>
<td>HUB009</td>
<td>Ethics, Law &amp; Health Care(^{11})</td>
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**Year 1, Semester 2**

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<tr>
<td>NSB113</td>
<td>Values, Culture &amp; Nursing</td>
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<tr>
<td>OR</td>
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<tr>
<td>NSB223</td>
<td>Mental Health Nursing</td>
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<td>3</td>
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<td>OR</td>
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**Year 2, Semester 1**

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<tr>
<td>NSB224</td>
<td>Research Approaches in Nursing</td>
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**Year 2, Semester 2**

| Electives\(^{12}\) |                               | 24      |        |

**ADVANCED STANDING ONLY (DIPLOMATES)**

**Full-Time Course Structure**

**Semester 1**

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<th>Course Name</th>
<th>Credits</th>
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<td>Professional Practice Development</td>
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<td>3</td>
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<tr>
<td>NSB224</td>
<td>Research Approaches in Nursing</td>
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**Part-Time Course Structure**

**Semester 1**

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<td>3</td>
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<tr>
<td>NSB224</td>
<td>Research Approaches in Nursing</td>
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**Semester 2**

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<th>Points</th>
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<tbody>
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<td>Research Approaches in Nursing</td>
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<td>4</td>
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<td>Elective</td>
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**List A**

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<tbody>
<tr>
<td>PUB329</td>
<td>Foundations of Health Studies &amp; Health Behaviour</td>
</tr>
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<td>PUB336</td>
<td>Women’s Health</td>
</tr>
<tr>
<td>PUB251</td>
<td>Contemporary Public Health</td>
</tr>
<tr>
<td>PUB107</td>
<td>Introduction to Environmental Health</td>
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</tbody>
</table>

\(^{10}\) Compulsory Core Units  
\(^{11}\) Or any other approved unit.  
\(^{12}\) NSB413 Advanced Research Approaches in Nursing should be taken as an elective if students wish to proceed to an Honours degree.
### Bachelor of Nursing (Preregistration) (NS40)

**Location:** Kelvin Grove campus  
**Course Duration:** 3 years full-time, 6 years part-time  
**Total Credit Points:** 288  
**Standard Credit Points/Full-Time Semester:** 48  
**Course Coordinator:** Helen Edwards

### Professional Recognition
Graduates are eligible for registration within Australia, and have been successful in obtaining registration in Britain, New Zealand and North America.

This course is recognised by the Royal College of Nursing, Australia as satisfying the academic requirements for admission as a professional member.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<td>NSB116</td>
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<td>Introduction to Psychology and Health Care</td>
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<td></td>
<td>NSB212</td>
<td>Clinical Practice 2(^{13})</td>
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<td></td>
<td>NSB224</td>
<td>Research Approaches in Nursing</td>
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<tr>
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### Part-Time Course Structure

<table>
<thead>
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<th>Year, Semester</th>
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<tr>
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\(^{13}\) This unit contains off-campus clinical experience.
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>LSB382  Bioscience 3</td>
<td>12</td>
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<td>SSB982  Introduction to Social Science and Health Care</td>
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<td>NSB223  Mental Health Nursing</td>
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<tbody>
<tr>
<td>HUB009  Ethics, Law &amp; Health Care</td>
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<td>NSB224  Research Approaches in Nursing</td>
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<th>Year 3, Semester 4</th>
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<tbody>
<tr>
<td>NSB321  Professional Practice Development</td>
</tr>
<tr>
<td>NSB323  Clinical Practice 5(^{13})</td>
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</table>

**Electives for 1997 (subject to availability)**

**List A:**
- PUB107  Introduction to Environmental Health
- PUB112  Occupational Health and Safety 1
- PUB127  Health Issues in Australia
- PUB130  Australian Health Industry
- PUB251  Contemporary Public Health
- PUB329  Foundations of Health Studies and Health Behaviour
- PUB349  Families and Households in Australia

**List C:**
- NSB414  Independent Study
- NSB415  Special Topic
- PUB423  Food and Nutrition
- HUB008  Research Methods in Ethics and Bioethics

**Advanced Standing**
(For students who have completed an undergraduate degree which includes specified prerequisite studies)

**Full-time Course Structure**

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
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<tbody>
<tr>
<td>LSB382  Bioscience 3</td>
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<tr>
<td>NSB417  Introduction to Nursing</td>
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\(^{13}\) This unit contains off-campus clinical experience.
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<thead>
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<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Workload</th>
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**Year 1, Semester 2**

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<td>NSB221</td>
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<td>NSB212</td>
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**Year 2, Semester 1**

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<th>Course Code</th>
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<td>NSB222</td>
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**Year 2, Semester 2**

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<tr>
<td>NSB312</td>
<td>Professional Practice Development</td>
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<tr>
<td>NSB322</td>
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<td>Elective – List C</td>
<td></td>
<td>8</td>
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</tbody>
</table>

\(^{13}\) This unit contains off-campus clinical experience.

\(^{14}\) This unit contains off-campus clinical experience following semester.
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- Master of Information Technology (Research) (IT60) ............................................................ 501
- Master of Information Technology (IT40)/Graduate Diploma in Information Technology (IT35) .... 506
- Graduate Diploma in Library and Information Studies (IT25) ................................................... 511
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COURSE STRUCTURES

INFORMATION FOR ALL INFORMATION TECHNOLOGY STUDENTS

Rules and regulations
Students undertaking courses in the Faculty of Information Technology should acquaint themselves with Faculty policy on assessment, deferred examinations, and plagiarism. In many cases, Faculty policy is more explicit than University policy. Commencing students should make sure they familiarise themselves with the Faculty Resource Guide.

Note that from first semester 1995 a minimum grade of 4 is normally required to fulfil the prerequisite requirement for all units in courses offered by the Faculty of Information Technology.

Faculty policy regarding use of University computer facilities
Access to computer accounts, E-mail, and bulletin board facilities via QUT equipment is provided solely to assist students in education and research. Use of such facilities by students for matters unrelated to their course of study or approved research represents misuse. Any misuse may result in fines, suspension of use of computer accounts, and/or strict disciplinary action. Students will be required to sign a code of conduct on the use of these facilities.

---

Master of Applied Science (Research) (IT84)

Location: Gardens Point campus
Course Duration: 2 years full-time, 4 years part-time
Total Credit Points Required: 192
Standard Credit Points/Full-time Semester: 48
Course Coordinator: Associate Professor George Mohay

Note: The Master of Applied Science (Research) course was discontinued at the end of 1995. It has been replaced with the Master of Information Technology (Research) (IT60). Students currently enrolled in IT84 are able to complete the award Master of Applied Science (Research).

Students should enrol in the relevant Masters research unit in each semester. At the end of each semester a result in this unit will be recorded as “T” – Assessment Continues. A final grade (Satisfactory/Unsatisfactory) will be given once the thesis has been examined according to the degree rules.

<table>
<thead>
<tr>
<th>Year 3, Semester 1</th>
<th>IFN200 Part-time Masters Research</th>
<th>24</th>
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<tbody>
<tr>
<td>Year 3, Semester 2</td>
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<td>Year 4, Semester 1</td>
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<td>IFN200 Part-time Masters Research</td>
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</table>

For part-time students who have exceeded the normal course duration and for whom an extension of time has been approved, IFN201 – Part-time Masters Research (extension) is substituted for IFN200 in subsequent semesters.

---

Master of Information Technology (Research) (IT60)

Location: Gardens Point campus
Course Duration: 1.5 years full-time, 3 years part-time

The option to enrol in Summer School is available to students who wish to complete the course in one calendar year.
Total Credit Points Required: 144
Standard Credit Points/Full-time Semester: 48
Course Coordinator: Associate Professor George Mohay

COURSE OUTLINE

Full-time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITN100 Research Methodologies</td>
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</tr>
<tr>
<td>ITN160 Research Plan</td>
<td>12</td>
</tr>
<tr>
<td>Coursework Units (Selected in consultation with supervisor)</td>
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</tr>
<tr>
<td>Year 1, Semester 2</td>
<td></td>
</tr>
<tr>
<td>IFN100 Full-time Masters Research</td>
<td>48</td>
</tr>
<tr>
<td>Year 1, Summer School or Year 2, Semester 1</td>
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<tr>
<td>IFN100 Full-time Masters Research</td>
<td>48</td>
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For full-time students who have exceeded the normal course duration and for whom an extension of time has been approved, IFN101 – Full-time Masters Research (extension) is substituted for IFN100 in subsequent semesters.

Part-time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
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<tr>
<td>Coursework Units (Selected in consultation with supervisor)</td>
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<td>ITN100 Research Methodologies</td>
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<td>ITN160 Research Plan</td>
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<tr>
<td>IFN200 Part-time Masters Research</td>
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<tr>
<td>Year 2, Semester 1</td>
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</tr>
<tr>
<td>IFN200 Part-time Masters Research</td>
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</tr>
<tr>
<td>IFN200 Part-time Masters Research</td>
<td>24</td>
</tr>
</tbody>
</table>

For part-time students who have exceeded the normal course duration and for whom an extension of time has been approved, IFN201 – Part-time Masters Research (extension) is substituted for IFN200 in subsequent semesters.

Students may enrol in IFN203 Part-time Master Research (12 credit points) if their enrolled credit points need to be made up to 48 credit points or 24 credit points as the case may be.

COURSE RULES: MASTER OF INFORMATION TECHNOLOGY (RESEARCH)

Introduction
The objectives of the course are:

☐ To provide postgraduate educational opportunities in specialised fields of information technology by means of a program which involves either an original contribution to knowledge or an original application of existing knowledge.

☐ To provide postgraduate students with education in research processes in information technology.

☐ To enable graduates employed in industry to undertake further education by research and thesis.

☐ To enable students employed in industrial organisations and external agencies to undertake research projects related to their professional development.

☐ To further the relationships that exist between the University and industry or other external agencies engaged in information technology to their mutual advantage.
1. General Conditions
1.1 The Council of the Queensland University of Technology was established in 1989 under the *Queensland University of Technology Act* 1988.

1.2 The Council’s power to approve recommendations from faculty academic boards regarding the registration, supervision and examination of research degree candidates and to develop policy and procedure relating to research degrees is exercised through a Research Management Committee which shall be a subcommittee of the University Academic Board.

1.3 The Research Management Committee has delegated responsibility for day-to-day administration of this course to the Faculty of Information Technology academic board. The academic board shall report biannually to the Research Management Committee on progress made by research Masters degree candidates.

1.4 In order to qualify for the award of the degree of Master of Information Technology (Research), a candidate must:
- have completed the approved course of study under the supervision prescribed by the academic board
- have submitted and the academic board have accepted a thesis prepared under the supervision of the supervisor
- have completed any other work prescribed by the academic board, and
- submit to the academic board a declaration signed by the candidate that he/she has not been a candidate for another tertiary award without permission of the academic board.

2. Registration
2.1 Applications shall be accepted subject to the availability of facilities and supervision.

2.2 Applications may be lodged with the Registrar at any time.

2.3 The minimum academic qualifications for admission to a program leading to a Master of Information Technology (Research) shall be:
- possession of a bachelor degree in information technology or other approved degree from the Queensland University of Technology, or
- possession of an equivalent qualification, or
- submission of such other evidence of qualifications as will satisfy the academic board that the applicant possesses the capacity to pursue the course of study.

2.4 In considering an applicant for registration the academic board shall, in addition to assessing the applicant’s suitability, assess the proposed program and its relevance to the aims and objectives of the University.

2.5 A candidate may register either as a full-time or as a part-time student. To be registered as a full-time student, a candidate must be able to commit to the course not less than three-quarters of a normal working week, averaged over each year of candidacy. Such a student may not devote more than 300 hours annually to teaching activities, including preparation and marking.

2.6 A candidate may be internal or external. An external candidate is one whose program of research and investigation is based at a place of employment or sponsoring institution. Normally, support of the sponsoring institution for the candidate’s application is required for registration.

2.7 A candidate shall receive confirmed registration as a graduate student when he or she:
- has been accepted for provisional registration in the Faculty of Information Technology and has met the requirements of the Faculty’s confirmation procedures, which are: (i) submission of a written progress report, detailing the results of both coursework and research work to date; (ii) presentation of a public seminar defending the proposed research plan; and (iii) interview with a review panel consisting of three members of the Faculty’s academic staff; and when
- the Faculty academic board has approved confirmed registration.

2.8 Applicants holding an appropriate and current honours degree or its equivalent may apply to the Faculty academic board for confirmed enrolment on admission. Such applicants approved by the academic board shall have individual minimum and maximum completion times specified.
2.9 The academic board may cancel a candidate’s registration, after consulting the relevant supervisors and having taken account of all relevant circumstances and having given the candidate opportunity to show cause why it should not do so:
- if it is of the opinion that the candidate either has effectively discontinued his/her studies or has no reasonable expectation of completing the course of study within the maximum time allowed (see Section 4), or
- if the quality and progress of research gives no reasonable expectation of successful completion of the degree, or
- if the candidate’s performance in coursework undertaken is considered unsatisfactory.

2.10 A candidate whose registration has lapsed or has been cancelled and who wishes subsequently to re-enter the course to undertake a research program which is the same or essentially the same as the previous program may be re-admitted under such conditions as the academic board may prescribe.

3. Course of Study

3.1 A candidate for the degree of Master of Information Technology (Research) shall undertake a program of research and investigation on a topic approved by the academic board. All projects should be sponsored either by outside agencies such as industry, government authorities, or professional organisations, or by the University itself.

3.2 The program must be such as to enable the candidate to develop and demonstrate a level of technical competence significantly higher than that expected of a first degree graduate. The required competence normally would include mastery of relevant techniques, investigatory skills, critical thinking, and a high level of knowledge in the specialist area.

3.3 A candidate may be required by the academic board to undertake an appropriate course of study concurrently with the research program.

The course of study normally will include:
- a program of assessed coursework
- participation in University scholarly activities such as research seminars, teaching and publication
- regular face-to-face interaction with supervisors, and
- a program of supervised research and investigation.

3.4 Coursework at Masters level demands a capacity for critical analysis and a specialisation of research interests not normally appropriate for an undergraduate program.

In all cases, coursework will be based upon a formal syllabus setting out the educational outcomes expected from the course, a list of topics to be covered, the prescribed reading material and the method of assessment of progress through and at the end of the course.

3.5 Coursework will occupy not more than a third of the total period of registration.

3.6 An application for registration should set out systematically and fully the candidate’s intended course of study. The description should include the area of study within which the candidate’s course lies, the coursework to be undertaken, the proposed title of the thesis to be written, the aim of the proposed program of research and investigation, its background, the significance and possible application of the research program, and the research plan.

4. Period of Time for Completion of Course of Study

4.1 A full-time student shall normally be eligible for confirmation of registration after a period of at least six months has elapsed from initial registration. The corresponding period in the case of a part-time student shall be normally at least 12 months.

4.2 Students initially admitted as provisionally enrolled students shall present the thesis for examination after a minimum period of at least 18 months and within a maximum period of three years for a full-time student or a minimum period of at least three years and within a maximum period of five years for a part-time student. In special cases the academic board may approve a shorter period.

4.3 Where application is made for permission to extend the period within which the candidate may submit a thesis for examination, details of the candidate’s progress shall be presented to the academic board together
with the reasons for the delay in completing the course and the expected date of completion. Where the academic board agrees to an extension, it may set a limit to the maximum period of registration in the program.

5. Supervision

5.1 For each candidate the academic board shall appoint two or more supervisors with appropriate experience provided that one shall be nominated as the Principal Supervisor and others as associate supervisors.

5.2 In the case of an internal student, the Principal Supervisor normally shall be from the academic staff of the school where the student carries out the work.

5.3 In the case of an external student, the Principal Supervisor normally shall be from the academic staff of the school supporting the work and at least one associate supervisor shall be from the sponsoring organisation.

5.4 At the end of each six-month period a student shall submit a report on the work undertaken to the Principal Supervisor and the Principal Supervisor shall submit a report to the academic board on the student’s work. This report shall be seen by the candidate before submission to the academic board.

6. Place and Conditions of Work

6.1 The research program must normally be carried out under supervision in a suitable environment in Australia.

6.2 The academic board shall not admit a candidate to undertake a program of research based at the University unless it has received a statement from the head of school and/or director of centre in which the study is proposed that, in their opinion, the applicant is a fit person to undertake a research program leading to the Masters degree, that the program is supported, and that the school/department is willing to undertake the responsibility of supervising the applicant’s work.

6.3 The academic board shall not admit a candidate to undertake a research program based at a sponsoring establishment unless it has received:

- a statement from the employer or director of the sponsoring institution that the applicant will be provided with facilities to undertake the research project and that he/she is willing to accept responsibility for supervising the applicant’s work, and

- a statement from the head of school or director of centre in which the study is proposed that, in his or her opinion, the applicant is a fit person to undertake a research program leading to the Masters degree, that the program is supported, and that after examination of the proposed external facilities and supervision, the school/department is willing to accept the responsibility of supervising the work.

7. Thesis

7.1 In the form of presentation, availability and copyright, the thesis shall comply with the provisions of the document Requirements for Presenting Theses.

7.2 Not later than six months after confirmed registration the candidate shall submit the title of the thesis for approval by the academic board. After approval has been granted, no change shall be made except with the permission of the academic board.

7.3 The candidate shall give two months’ notice of intention to submit the thesis. Such notice shall be accompanied by the appropriate fee, if any.

7.4 The thesis shall comply with the following requirements:

- A significant portion of the work described must have been carried out subsequent to initial registration for the degree.

- It must describe a program of work carried out by the candidate, and must involve either an original contribution to knowledge or an original application of existing knowledge.

- It must reach a satisfactory standard of literary presentation.

- It shall be the candidate’s own account of the work. Where work is carried out conjointly with other persons, the academic board shall be advised of the extent of the candidate’s contribution to the joint work.

- The thesis shall not contain as its main content any work or material which the student has previously submitted for another degree or similar award.
Supporting documents, such as published papers, may be submitted with the thesis if they have a bearing on the subject of the thesis.

The thesis shall contain an abstract of not more than 300 words.

7.5 Except with the specific permission of the academic board, the thesis must be presented in the English language. Such permission must be sought at the time of application for registration, and will not be granted solely on the grounds that the candidate’s ability to satisfy the examiners will be affected adversely by the requirement to present the thesis in English.

7.6 Subject to QUT’s Intellectual Property policy, the copyright of the thesis is vested in the candidate.

7.7 Where a candidate or the sponsoring establishment wishes the thesis to remain confidential for a period of time after completion of the work, application for approval must be made to the Research Management Committee when the thesis is submitted. The period normally shall not exceed two years from the date on which the examiners recommend acceptance of the thesis, during which time the thesis will be held on restricted access in the QUT Library.

8. Examination of Thesis

8.1 The academic board shall appoint at least two examiners of whom at least one shall be from outside the University.

8.2 Normally, examiners must agree to read and report upon the thesis within two months of its receipt.

8.3 A candidate may be required to make an oral defence of the thesis.

8.4 On receipt of satisfactory reports from the examiners, and when the provisions of Section 7.1 have been fulfilled, the academic board shall recommend that the candidate be awarded the degree.

8.5 If the examiners’ reports are conflicting, the academic board may, after appropriate consultation with the Principal Supervisor:

☐ seek advice from a further external examiner, or

☐ not award the degree.

8.6 If, on the basis of the examiners’ reports, the academic board does not recommend that the degree be awarded then it shall:

☐ permit the student to resubmit the thesis within one year for re-examination, or

☐ cancel the student’s registration.

Master of Information Technology (IT40)/Graduate Diploma in Information Technology (IT35)

Location: Gardens Point campus

Course Duration: 1.5 years full-time, 3 years part-time

Total Credit Points: 144

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Mr Mike Roggenkamp

Course Structure

The course structure is determined by the student’s entry qualifications:

Non-Information Technology graduates (students with a degree in a discipline other than information technology) complete the Introductory Module before choosing units from other modules, subject to fulfilling prerequisite requirements.

Information Technology graduates (students with a Bachelor degree or Graduate Diploma in Information Technology) choose units from any module. They will not be permitted to do the Introductory Module.

On successful completion of 96 credit points in IT35:

(i) Students with a GPA of $\geq 5$ will be eligible to continue to the Third Module (IT40) and on completion of an additional 48 credit points will graduate with the Master of Information Technology.
(ii) Students with a GPA of < 5 will not be eligible to continue to the Third Module (IT40) and will graduate with the Graduate Diploma in Information Technology.

**Elective Units**

The offering of elective units in any semester depends upon sufficient minimum enrolments in the unit and the availability of staff. The choice of elective units is subject to the approval of the Course Coordinator. Full-time students should note that electives may be offered in the evenings only.

Subject to the approval of the Course Coordinator, students can undertake advanced undergraduate units as substitutes for the elective units listed.

**NON-INFORMATION TECHNOLOGY GRADUATES**

<table>
<thead>
<tr>
<th><strong>Full-Time Course Structure</strong></th>
<th><strong>Credit Points</strong></th>
<th><strong>Contact Hrs/Wk</strong></th>
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<tr>
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<tr>
<td>ITN210 Foundations of Information Modelling</td>
<td>12</td>
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<td>ITN410 Software Principles</td>
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<td>ITN343 Principles of Information Management</td>
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<td>ITN411 Systems Architecture &amp; Operating Systems</td>
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<tr>
<td>MAB177 Mathematics for Data Communications</td>
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</table>

**SECOND MODULE**

**Year 1, Semester 2**

Select four units from any of the Module Lists, subject to fulfilling prerequisite requirements.

**THIRD MODULE (IT40)**

**Year 2, Semester 1**

Select four units from any of the Module Lists, subject to fulfilling prerequisite requirements.

**NON-INFORMATION TECHNOLOGY GRADUATES**

<table>
<thead>
<tr>
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**SECOND MODULE**

**Year 2, Semester 1**

Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.

**Year 2, Semester 2**

Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.

**THIRD MODULE (IT40)**

**Year 3, Semester 1**

Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.

**Year 3, Semester 2**

Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.
INFORMATION TECHNOLOGY GRADUATES

Full-Time Course Structure
FIRST MODULE
Year 1, Semester 1
Select four units from any of the Module Lists, subject to fulfilling prerequisite requirements.

SECOND MODULE
Year 1, Semester 2
Select four units from any of the Module Lists, subject to fulfilling prerequisite requirements.

THIRD MODULE (IT40)
Year 2, Semester 1
Select four units from any of the Module Lists, subject to fulfilling prerequisite requirements.

INFORMATION TECHNOLOGY GRADUATES

Part-Time Course Structure
FIRST MODULE
Year 1, Semester 1
Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.

Year 1, Semester 2
Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.

SECOND MODULE
Year 2, Semester 1
Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.

Year 2, Semester 2
Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.

THIRD MODULE (IT40)
Year 3, Semester 1
Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.

Year 3, Semester 2
Select two units from any of the Module Lists, subject to fulfilling prerequisite requirements.

MODULE LISTS

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1 Unit extends over two semesters.
### Second Semester

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<td>ITN443</td>
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### DATA COMMUNICATIONS MODULES

#### Data Communications Module 1

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<td>Network Applications</td>
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#### Data Communications Module 2

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<td>ITN530</td>
<td>Corporate Telecommunications</td>
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<td>ITN531</td>
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#### Data Communications Modules 1 & 2 – Elective Units

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<td>ITB532</td>
<td>Network Management</td>
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<td>ITB533</td>
<td>Comparative Network Systems</td>
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<td>ITB542</td>
<td>Network Programming</td>
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<td>ITB548</td>
<td>Introduction to Cryptology</td>
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<td>ITB549</td>
<td>Error Control and Data Compression</td>
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### INFORMATION MANAGEMENT MODULES

#### Information Management Module 1

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<th>Semester</th>
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<td>Systems Analysis and Design</td>
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<tr>
<td>ITN340</td>
<td>Information Agencies</td>
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#### Information Management Module 2

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<tr>
<td>ITN341</td>
<td>Information Policy and Planning</td>
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1. Unit extends over two semesters.
2. Students taking Projects are required to do ITN100.
### Electives

#### Information Management Module 1 – Elective Units

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<td>ITN238</td>
<td>Advances in Information Retrieval</td>
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#### Information Management Module 2 – Elective Units

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The following units available in the Library and Information Studies module are available to Information Management students:

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<td>ITN352</td>
<td>Information Organisation 2</td>
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<tr>
<td>ITN355</td>
<td>Information Resources &amp; Services for Business &amp; Industry</td>
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### INFORMATION SYSTEMS MODULES

#### Information Systems Module 1

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<td>Major Issues in Information Systems</td>
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<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITN221</td>
<td>Object-oriented Analysis and Design</td>
<td>1, 2</td>
<td>12</td>
<td>3</td>
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</table>

Elective Unit

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semesters</th>
<th>Credits</th>
<th>Load</th>
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<tbody>
<tr>
<td>ITN221</td>
<td>Object-oriented Analysis and Design</td>
<td>1, 2</td>
<td>12</td>
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<tr>
<td></td>
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#### Information Systems Module 2

<table>
<thead>
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<th>Semesters</th>
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<tbody>
<tr>
<td>ITN230</td>
<td>Current Advances in Database Technology</td>
<td>2</td>
<td>12</td>
<td>3</td>
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<tr>
<td>ITN231</td>
<td>Knowledge-based Systems</td>
<td>1, 2</td>
<td>12</td>
<td>3</td>
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Elective Unit

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semesters</th>
<th>Credits</th>
<th>Load</th>
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</thead>
<tbody>
<tr>
<td>ITN231</td>
<td>Knowledge-based Systems</td>
<td>1, 2</td>
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<td>3</td>
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<tr>
<td></td>
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#### Information Systems Modules 1 and 2 – Elective Units

<table>
<thead>
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<th>Semesters</th>
<th>Credits</th>
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<tr>
<td>ITB220</td>
<td>Database Design</td>
<td>1, 2</td>
<td>12</td>
<td>3</td>
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<tr>
<td>ITB223</td>
<td>Laboratory 4 (4GL Programming)</td>
<td>2</td>
<td>12</td>
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<tr>
<td>ITB232</td>
<td>Database Management</td>
<td>1, 2</td>
<td>12</td>
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<td>ITB233</td>
<td>File Structures</td>
<td>1, 2</td>
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<td>ITB241</td>
<td>Information Systems Management</td>
<td>1, 2</td>
<td>12</td>
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<tr>
<td>ITN162</td>
<td>Project (IS)</td>
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<td>24</td>
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<td>ITN172/1</td>
<td>Project (IS)</td>
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<td>ITN172/2</td>
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<td>ITN238</td>
<td>Advances in Information Retrieval</td>
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</tr>
<tr>
<td>ITN241</td>
<td>Advanced Topics in Human-Computer Interaction</td>
<td>1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITN244</td>
<td>Special Topic</td>
<td>1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITN245</td>
<td>Special Topic</td>
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<tr>
<td>ITN246</td>
<td>Minor Project 1 (IS)</td>
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<tr>
<td>ITN248</td>
<td>Minor Project 2 (IS)</td>
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<td>12</td>
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<tr>
<td>ITN250</td>
<td>Distributed Database Systems</td>
<td>2</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

### LIBRARY & INFORMATION STUDIES MODULE

This module is generally only available to students who have completed the revised Graduate Diploma in Library & Information Studies (IT25) with a GPA of 5 or better. Students who have completed the Graduate Diploma in Library & Information Studies (IS25) with a GPA of 5 or better are eligible to undertake the Masters Module, but will be required to undertake additional units.

---

1 Unit extends over two semesters.
Note: BOTH elective choices must be drawn from the SAME elective group, i.e. EITHER the Information Resources and Services Group OR the Program Management Group. Each elective group builds on and expands the focus and/or increases the depths of the knowledge gained from units studied in earlier semesters. Thus each Masters graduate will have a recognisable strength in one or other of the designated group areas.

**Elective units**

**Group 1: Resources and Services**

- ITN340 Information Agencies 1 12 3
- ITN354 Organising Multicultural Information Resources & Services 2 12 3
- ITN355 Information Resources & Services for Business & Industry 2 12 3
- ITN357 Special Topic (Information User Instruction) 1 12 -

**Group 2: Program Management**

- ITN341 Information Policy & Planning 2 12 3
- ITN345 Information Systems Audit 2 12 3
- ITN354 Organising Multicultural Information Resources & Services 2 12 3
- ITN355 Information Resources & Services for Business & Industry 2 12 3
- ITN360 Evaluation of Information Programs 3 12 3

**DISTRIBUTED SYSTEMS MODULE**

- ITN250 Distributed Database Systems 2 12 3
- ITN431 Distributed Systems 1 12 3
- ITN531 Network Security 2 12 3

Select one unit from the following:

- ITN444 Parallel Programming 2 12 3
- ITN553 OS Security and Management TBA 12 3

**MAJOR PROJECT MODULE**

**For Full-Time Information Technology Graduates**

- ITN142 Major Project (IS) 1, 2 48
- ITN144 Major Project (CS) 1, 2 48
- ITN145 Major Project (DC) 1, 2 48

**For Part-Time Information Technology Graduates**

- ITN152/1 Major Project (IS) 1, 2 24
- ITN152/2 Major Project (CS) 1, 2 24
- ITN154/1 Major Project (DC) 1, 2 24
- ITN154/2 Major Project (CS) 1, 2 24
- ITN155/1 Major Project (DC) 1, 2 24
- ITN155/2 Major Project (DC) 1, 2 24

---

**Graduate Diploma in Library and Information Studies (IT25)**

**Location:** Gardens Point campus

**Course Duration:** 1 year full-time, 2 years part-time

**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Mr Michael Middleton

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1. Unit extends over two semesters.
2. Offered only in odd-numbered years.
3. The pre-requisite for the Major Project module is the completion of 96 credit points including ITN100 Research Methodology.
Entry Requirements
To be eligible for admission to the Graduate Diploma in Library and Information Studies, applicants are required to have a degree (or equivalent) from a recognised tertiary institution in a discipline other than library and information studies and to have successfully completed a degree level introductory computing unit (the equivalent of at least three hours per week for one semester).

Professional Recognition
Graduates are eligible to become ‘Associates’ (that is, professional members) of the Australian Library and Information Association.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB105 Study of Information Technology</td>
<td>0</td>
<td>2 weeks</td>
</tr>
<tr>
<td>ITN343 Principles of Information Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITP327 Information Organisation 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITP328 Information Sources 1</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

One unit selected from the following:

| ITN210 Foundations of Information Modelling | 12 | 3 |
| ITN340 Information Agencies<sup>5</sup> | 12 | 3 |
| ITB330 Information Issues & Values<sup>5</sup> | 12 | 3 |

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITN211 Systems Analysis &amp; Design</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITP329 Information Resources Provision</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITP330 Professional Practice</td>
<td>12</td>
<td>-</td>
</tr>
<tr>
<td>MGN409 Introduction to Management</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Part-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB105 Study of Information Technology</td>
<td>0</td>
<td>2 weeks</td>
</tr>
<tr>
<td>ITP327 Information Organisation 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITP328 Information Sources 1</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITP329 Information Resources Provision</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN409 Introduction to Management</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITN343 Principles of Information Management</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

One unit selected from the following:

| ITN210 Foundations of Information Modelling | 12 | 3 |
| ITB330 Information Issues & Values<sup>5</sup> | 12 | 3 |

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITN211 Systems Analysis &amp; Design</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITP330 Professional Practice</td>
<td>12</td>
<td>-</td>
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MID-YEAR INTAKE

Part-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB105 Study of Information Technology</td>
<td>0</td>
<td>2 weeks</td>
</tr>
<tr>
<td>ITP329 Information Resources Provision</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>MGN409 Introduction to Management</td>
<td>12</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITP327 Information Organisation 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITP328 Information Sources 1</td>
<td>12</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITN211 Systems Analysis &amp; Design</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITP330 Professional Practice</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<sup>5</sup> Option available only for students who do not intend to proceed to the Master of Information Technology program.
Year 3, Semester 1
ITN343 Principles of Information Management 12 3
One unit selected from the following:
ITN210 Foundations of Information Modelling 12 3
ITB330 Information Issues & Values 12 3

Bachelor of Information Technology (Honours) (IT30)

Location: Gardens Point campus
Course Duration: 1 year full-time, 2 years part-time
Total Credit Points: 96
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Ms Alison Anderson

Entry Requirements
To be eligible for admission, students should have completed QUT’s Bachelor of Information Technology or equivalent and normally should have attained a grade point average (GPA) of at least 5.0 on a seven-point scale (or its equivalent), having completed the relevant pre-honours extended major (or equivalent).

Application for admission should be made at the end of the final year of the pass degree, or within 18 months of completing that degree.

Applicants who do not satisfy the above conditions but who have demonstrated outstanding performance in only the final year of a degree, or whose application is based on other factors, including work experience or involvement in research, may be admitted at the discretion of the Dean.

Professional Recognition
This course will be accredited by the Australian Computer Society as meeting the knowledge requirements associated with the grade of ‘Member’ of the Society.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITN100 Research Methodologies</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITN110 Project (Honours)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>12</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:
ITN122 Dissertation (IS) 24
ITN124 Dissertation (CS) 24
ITN125 Dissertation (DC) 24

Part-Time Course Structure

Year 1, Semester 1
ITN100 Research Methodologies 12 3
ITN110 Project (Honours) 12

Year 1, Semester 2
Elective 12 3
Elective 12 3

Year 2, Semester 1
Elective 12 3

Select one of the following:
ITN132/1 Dissertation (IS) 12
ITN134/1 Dissertation (CS) 12
ITN135/1 Dissertation (DC) 12

Unit extends over two semesters.
Option available only for students who do not intend to proceed to the Master of Information Technology program.
Year 2, Semester 2

Elective

Select one of the following:
- ITN132/2 Dissertation (IS)\(^1\) 12
- ITN134/2 Dissertation (CS)\(^1\) 12
- ITN135/2 Dissertation (DC)\(^1\) 12

Elective Units

Elective units may be chosen from the following specified units in the areas of Computing Science, Data Communications, Database Systems, Information Management, Information Systems, or Software Engineering, each of which is subject to undergraduate prerequisite requirements. With the approval of the Course Coordinator, students may also choose as electives Masters-level units offered by any School of the Faculty, or by other Faculties. Students should note also that the offering of elective units in any semester depends on sufficient minimum enrolments in the unit and the availability of staff. Full-time students should note that many electives may be offered in the evenings only.

Computing Science/Software Engineering

ITA420 Comparative Programming Languages 12 3
ITA421 Software Specification 12 3
ITA430 Advanced Operating Systems 12 3
ITA431 Distributed Systems 12 3
ITA440 Advanced Graphics 12 3
ITA441 Artificial Intelligence 12 3
ITA442 Compiler Construction 12 3
ITA443 Neurocomputing 12 3
ITA444 Parallel Processing 12 3
ITA445 Pattern Recognition 12 3

Data Communications

ITA530 Corporate Telecommunications 12 3
ITA531 Network Security 12 3
ITA535 Access Control 12 3
ITA536 Topics in Security 12 3
ITA537 Information Security Management 12 3
ITA540 Advanced Network Technologies 12 3
ITA553 OS Security & Management 12 3
ITA554 Special Topic 12 3
ITA555 Special Topic 12 3
ITA556 Advanced Topics in Cryptology 12 3

Information Management

ITA238 Advances in Information Retrieval 12 3
ITA340 Information Agencies 12 3
ITA341 Information Policy & Planning 12 3

Information Systems

ITA220 Major Issues in Information Systems 12 3
ITA221 Object-Oriented Analysis & Design 12 3
ITA230 Current Advances in Database Technology 12 3
ITA231 Knowledge-based Systems 12 3
ITA238 Advances in Information Retrieval 12 3
ITA241 Advanced Topics in Human-Computer Interaction 12 3
ITA244 Special Topic 12 3
ITA245 Special Topic 12 3
ITA250 Distributed Database Systems 12 3

Bachelor of Information Technology (IT21)

Location: Gardens Point campus

Course Duration: 3 years full-time, 6 years part-time

\(^1\) Unit extends over two semesters.
Total Credit Points: 288
Standard Credit Points/Full-time Semester: 48
Course Coordinator: Mr Peter Cattell

Course Structure
The common first year of the new Bachelor of Information Technology degree will be offered in 1997. The remainder of the course will be introduced in 1998 and will contain a greater range of major/extended major options than are available in the current degree. For information on the units offered in the current Bachelor of Information Technology refer to the IT20 entry.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1, Semester 1</td>
<td>ITB105</td>
<td>Study of Information Technology</td>
<td>0</td>
<td>(2 weeks)</td>
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<tr>
<td></td>
<td>ITB106</td>
<td>Foundations of Computing</td>
<td>12</td>
<td>3</td>
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<tr>
<td></td>
<td>ITB225</td>
<td>Introduction to Databases</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ITB410</td>
<td>Software Development 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ITB412</td>
<td>Technology of Information Systems</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Year 1, Semester 2</td>
<td>ITB411</td>
<td>Software Development 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ITB107</td>
<td>Programming Laboratory</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ITB310</td>
<td>Information Management</td>
<td>12</td>
<td>3</td>
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<tr>
<td></td>
<td>ITB510</td>
<td>Communications Networks</td>
<td>12</td>
<td>3</td>
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</table>

Part-Time Course Structure

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1, Semester 1</td>
<td>ITB105</td>
<td>Study of Information Technology</td>
<td>0</td>
<td>(2 weeks)</td>
</tr>
<tr>
<td></td>
<td>ITB106</td>
<td>Foundations of Computing</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ITB412</td>
<td>Technology of Information Systems</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Year 1, Semester 2</td>
<td>ITB225</td>
<td>Introduction to Databases</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ITB410</td>
<td>Software Development 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Year 2, Semester 1</td>
<td>ITB411</td>
<td>Software Development 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ITB310</td>
<td>Information Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Year 2, Semester 2</td>
<td>ITB107</td>
<td>Programming Laboratory</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ITB510</td>
<td>Communications Networks</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Bachelor of Information Technology (IT20)

Location: Gardens Point campus
Course Duration: 3 years full-time, 6 years part-time
Total Credit Points: 288
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Mr Peter Cattell

Note: This course structure only relates to continuing students.

Course Structure
The course is divided into three blocks of equal weight (96 credit points each).

Block 1
All students undertake the Common First Year, the first full-time year or first two years part-time, of the course. This block is worth 96 credit points.

Block 2
At the end of the Common First Year, students choose a Primary Major in either:
The Primary Major is worth 96 credit points and extends over the second and third years of the course for full-time students, and the third to sixth years for part-time students.

**Block 3**

Students choose the composition of the third block of the course, which also extends over the later years of the course and is worth 96 credit points. Choices are:

(i) **Extended Major and a Minor**

An extended major consists of 48 credit points of further study in the area of the primary major. A minor consists of a cohesive set of units of approved study equal to 48 credit points. Examples of minors are given at the end of this section on IT20, Block 3, Section 4.

(ii) **Pre-Honours Extended Major and a Minor**

The pre-honours extended major is available for selected students who have performed well in the Common First Year and the first half of the primary major. The pre-honours extended major consists of 48 credit points of advanced study in the area of the primary major and prepares students for the Honours course and higher-level studies.

A minor (see above) is taken with this extended major to make up the 96 credit points of Block 3.

(iii) **Secondary Major**

A secondary major consists of 96 credit points of study in an area of relevance and interest. Examples of secondary majors are given at the end of this section on IT20.

(iv) **Two Minors**

Students can undertake two minors that don’t have units in common, worth 48 credit points each, to complete Block 3; see above for explanation of minors.

**Course Requirements**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>BLOCK 1 (96 credit points)</th>
<th>Common Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Years 2 &amp; 3</td>
<td>BLOCK 2 (96 credit points)</td>
<td>Primary Major</td>
</tr>
<tr>
<td></td>
<td>BLOCK 3 (96 credit points)</td>
<td>ONE OF THE FOLLOWING:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Extended Major and a Minor</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Pre-Honours Extended Major and a Minor</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Secondary Major</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Two Minors</td>
</tr>
</tbody>
</table>

**Cooperative Education Program**

An optional one-year period of paid work experience is available to eligible full-time students at the end of the second year of full-time study. Students participating in this program enrol in ITB904 – Industrial Training Experience, a 24 credit point unit. The unit normally replaces two minor units. Part-time students may be able to seek credit for professional experience (ITB905).

☐ **Block 1: Common First Year**

**First Year Coordinator:** Dr John Hynd

The following superceded First Year units will be offered in Semester 1 for students with previous failures:

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<th>Title</th>
<th>Weeks</th>
<th>Credit</th>
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<tr>
<td>BSB118</td>
<td>Business Communication &amp; Application Systems</td>
<td>12</td>
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<tr>
<td>ITB210</td>
<td>Formal Representation</td>
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Part-Time Course Structure (Students who commenced in 1996)

Year 2, Semester 1
BSB118  Business Communication & Application Systems 12 3
ITB412  Technology of Information Systems 12 3

Year 2, Semester 2
ITB107  Programming Laboratory 12 3
ITB411  Software Development 2 12 3

Block 2: Primary Majors
Primary majors are available in the following areas:
A: Computing Science
B: Data Communications
C: Database Systems
D: Information Management
E: Information Systems
F: Software Engineering

A: Computing Science Primary Major (CSC)
Major Coordinator: Dr Gerard Finn

Full-Time Course Structure

Year 2, Semester 1
ITB420  Computer Architecture 12 3
ITB421  Data Structures & Algorithms 12 3
ITB422  Laboratory 3 (ADTs in a Unix environment) 12 3
ITB520  Data Communications 12 3

Year 2, Semester 2
ITB424  Software Engineering Principles 12 3
ITB431  Programming Language Paradigms 12 3
  Block 3 Unit 12 3
  Block 3 Unit 12 3

Year 3, Semester 1
ITB423  Laboratory 4 (Software Development) 12 3
ITB430  Concurrent Systems 12 3
  Block 3 Unit 12 3
  Block 3 Unit 12 3

Year 3, Semester 2
  Block 3 Unit 12 3
  Block 3 Unit 12 3
  Block 3 Unit 12 3
  Block 3 Unit 12 3

Part-Time Course Structure

Year 3, Semester 1
ITB520  Data Communications 12 3
  Block 3 Unit 12 3

Year 3, Semester 2
ITB421  Data Structures & Algorithms 12 3
ITB422  Laboratory 3 (ADTs in a Unix environment) 12 3

Year 4, Semester 1
ITB424  Software Engineering Principles 12 3
  Block 3 Unit 12 3

6 ITB107 replaces ITB102 Laboratory 2.
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<thead>
<tr>
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<th>Course Name</th>
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<td>Year 5, Semester 1</td>
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<td>Programming Language Paradigms</td>
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**B: Data Communications Primary Major (DAT)**

**Major Coordinator:** Mr Neville Richter

**Full-Time Course Structure**

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<td>MAB177</td>
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<td>ITB535</td>
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<td>ITB531</td>
<td>Applications Services</td>
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**Part-Time Course Structure**

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<td>ITB532 Network Management</td>
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### C: Database Systems Primary Major (DBS)

**Major Coordinator:** Mr David Edmond

#### Full-time Course Structure

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<th>Credit Points</th>
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<tbody>
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<tr>
<td>ITB221 Laboratory 3 (Commercial Programming)</td>
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<tr>
<td>ITB222 Systems Analysis &amp; Design 1</td>
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<tr>
<td>ITB233 File Structures</td>
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<td>ITB246 Unix &amp; C</td>
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<td>ITB249 The Theoretical Foundations of Database Systems</td>
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### Part-time Course Structure

#### Year 3, Semester 1

| ITB222 Systems Analysis & Design 1 | 12 | 3 |
| Block 3 Unit | 12 | 3 |

#### Year 3, Semester 2

| ITB220 Database Design | 12 | 3 |
| Block 3 Unit | 12 | 3 |

#### Year 4, Semester 1

| ITB246 Unix & C | 12 | 3 |
| ITB249 The Theoretical Foundations of Database Systems | 12 | 3 |

#### Year 4, Semester 2

| ITB221 Laboratory 3 (Commercial Programming) | 12 | 3 |
| ITB232 Database Management | 12 | 3 |

#### Year 5, Semester 1

| ITB233 File Structures | 12 | 3 |
| Block 3 Unit | 12 | 3 |
**D: Information Management Primary Major (IFM)**

**Major Coordinator:** Mr Michael Middleton

<table>
<thead>
<tr>
<th>Full-Time Course Structure</th>
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<tr>
<td>ITB222 Systems Analysis &amp; Design 1</td>
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<td>3</td>
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<tr>
<td>ITB322 Information Resources</td>
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<td>ITB320 Laboratory 3 (Database Applications)</td>
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<td>ITB323 Laboratory 4 (Information Support Methods)</td>
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<td>ITB331 Information Management 2</td>
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<td>ITB330 Information Issues &amp; Values</td>
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| Part-Time Course Structure | | |
|---------------------------|| |
| **Year 3, Semester 1**    | | |
| ITB222 Systems Analysis & Design 1 | 12 | 3 |
| ITB520 Data Communications | 12 | 3 |
| **Year 3, Semester 2**    | | |
| ITB220 Database Design    | 12 | 3 |
| ITB322 Information Resources | 12 | 3 |
| **Year 4, Semester 1**    | | |
| ITB320 Laboratory 3 (Database Applications) | 12 | 3 |
| ITB331 Information Management 2 | 12 | 3 |
| **Year 4, Semester 2**    | | |
| Block 3 Unit              | 12 | 3 |
| Block 3 Unit              | 12 | 3 |
| **Year 5, Semester 1**    | | |
| ITB323 Laboratory 4 (Information Support Methods) | 12 | 3 |
| Block 3 Unit              | 12 | 3 |
| **Year 5, Semester 2**    | | |
| ITB330 Information Issues & Values | 12 | 3 |
| Block 3 Unit              | 12 | 3 |
### Full-Time Course Structure

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#### Year 3, Semester 1

- Block 3 Unit
- Block 3 Unit
- Block 3 Unit

Select one of the following units:

- ITB230 Project
- ITB231 Applications Development

#### Year 3, Semester 2

- Block 3 Unit
- Block 3 Unit
- Block 3 Unit
- Block 3 Unit

### Part-Time Course Structure

#### Year 3, Semester 1

- ITB222 Systems Analysis & Design 1
- ITB520 Data Communications

#### Year 3, Semester 2

- ITB220 Database Design
- ITB221 Laboratory 3 (Commercial Programming)

#### Year 4, Semester 1

- ITB223 Laboratory 4 (4GL Programming)
- ITB224 Systems Analysis & Design 2

#### Year 4, Semester 2

- Block 3 Unit
- Block 3 Unit

#### Year 5, Semester 1

- ITB233 File Structures
- Block 3 Unit

#### Year 5, Semester 2

- Block 3 Unit

Select one of the following units:

- ITB230 Project
- ITB231 Applications Development
### Year 6, Semester 1
- Block 3 Unit: 12 Credit Points, 3 Contact Hrs/Wk

### Year 6, Semester 2
- Block 3 Unit: 12 Credit Points, 3 Contact Hrs/Wk

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**F: Software Engineering Primary Major (SOF)**

**Major Coordinator:** Mr Richard Thomas

#### Full-Time Course Structure

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<td>ITB222</td>
<td>Systems Analysis &amp; Design 1</td>
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<td>ITB421</td>
<td>Data Structures &amp; Algorithms</td>
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<td><strong>Year 3, Semester 2</strong></td>
<td>ITB422</td>
<td>Laboratory 3 (ADTs in a Unix environment)</td>
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<td>Software Engineering Principles</td>
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<tr>
<td><strong>Year 4, Semester 2</strong></td>
<td>ITB423</td>
<td>Laboratory 4 (Software Development)</td>
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<td><strong>Year 5, Semester 1</strong></td>
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<td>ITB448</td>
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<td>ITB455</td>
<td>Integrated Software Engineering Environments</td>
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<td>3</td>
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<tr>
<td><strong>Year 6, Semester 1</strong></td>
<td>ITB454</td>
<td>Software Quality Assurance</td>
<td>12</td>
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<td>Block 3 Unit</td>
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<tr>
<td><strong>Year 6, Semester 2</strong></td>
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Block 3: Options

Either:
1. Extended Major (48 credit points)
   plus a Minor (48 credit points)
   OR
2. Pre-Honours Extended Major (48 credit points)
   for selected primary major students only plus
   a Minor (48 credit points)
   OR
3. Secondary Major (96 credit points)
   OR
4. Two Minors (48 credit points each)

Extended Major and Pre-Honours Extended Majors are detailed below by Primary Major heading. Examples of Secondary Majors and Minors follow.

Extended and Pre-Honours Extended Majors

A: Computing Science Extended Major
(for Computing Science primary major students only)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>ITB440</td>
<td>Languages &amp; Language Processing</td>
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<td>ITB446</td>
<td>Project</td>
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Computing Science Electives

First Semester Electives

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<tr>
<td>ITB441</td>
<td>Graphics</td>
<td>12 3</td>
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<tr>
<td>ITB442</td>
<td>Foundations of Artificial Intelligence</td>
<td>12 3</td>
</tr>
<tr>
<td>ITB443</td>
<td>Systems Programming</td>
<td>12 3</td>
</tr>
<tr>
<td>ITB444</td>
<td>Special Studies 1</td>
<td>12 3</td>
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<tr>
<td>ITB447</td>
<td>Project</td>
<td>12 3</td>
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<tr>
<td>ITB448</td>
<td>Object Technology</td>
<td>12 3</td>
</tr>
<tr>
<td>ITB451</td>
<td>Project</td>
<td>24 3</td>
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<tr>
<td>ITB454</td>
<td>Software Quality Assurance</td>
<td>12 3</td>
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<tr>
<td>ITB457</td>
<td>Functional Programming</td>
<td>12 3</td>
</tr>
<tr>
<td>ITB458</td>
<td>Java &amp; Extensible Programming</td>
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</tr>
<tr>
<td>ITB461</td>
<td>Foundations of Neurocomputing</td>
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<tr>
<td>ITB463</td>
<td>Pattern Recognition</td>
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Second Semester Electives

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<th>Course Name</th>
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<td>ITB445</td>
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<td>ITB451</td>
<td>Project</td>
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<tr>
<td>ITB453</td>
<td>Project</td>
<td>24 3</td>
</tr>
<tr>
<td>ITB455</td>
<td>Integrated Software Engineering Environments</td>
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<td>ITB456</td>
<td>Intelligent Graphic User Interfaces</td>
<td>12 3</td>
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<tr>
<td>ITB458</td>
<td>Java &amp; Extensible Programming</td>
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<td>ITB462</td>
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<td>ITB463</td>
<td>Pattern Recognition</td>
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<tr>
<td>MAB172</td>
<td>Statistical Methods</td>
<td>12 3</td>
</tr>
</tbody>
</table>

7 ITB446 Project and one elective unit may, subject to the approval of the Major Coordinator, be replaced with a 24 credit point project which may be undertaken across two semesters (ITB451 Project) or in one semester (ITB453 Project).

8 A 24 credit point project may be undertaken across two semesters (ITB451 Project) or in one semester (ITB453 Project), subject to the approval of the Major Coordinator.
Pre-Honours Extended Major
(for selected Computing Science primary major students only)
ITB440  Languages & Language Processing  12  3
ITB450  Advanced Computer Architecture  12  3
ITB452  Project Work  24  -

B: DATA COMMUNICATIONS EXTENDED MAJOR
(for Data Communications primary major students only)
Students may select one of the following three extended majors:

1a: Data Communications Extended Major (Network Systems)
ITB533  Comparative Network Systems  12  3
ITB542  Network Programming  12  3
ITB544  Project  12
Data Communications Elective Unit  12  3

1b: Data Communications Extended Major (Telecommunications)
ITB534  Telecommunications Modelling  12  3
ITB544  Project  12
MAB178  Mathematics for Telecommunications  12  3
Data Communications Elective Unit  12  3

1c: Data Communications Extended Major (Information Security)
ITB544  Project  12
ITB548  Introduction to Cryptology  12  3
ITB549  Error Control & Data Compression  12  3
Data Communications Elective Unit  12  3

Pre-Honours Extended Major
(for selected Data Communications primary major students only)
The Data Communications Pre-Honours Extended Major consists of one of the above Data Communications extended majors.

Data Communications Elective Units
Students may choose electives from any unit offered within the Data Communications major and extended majors plus the units listed below (the offering of elective units depends on sufficient minimum enrolments and availability of staff).

BSB115  Management, People & Organisations  12  3
ITB448  Object Technology  12  3
ITB541  Transmission Techniques  12  3
ITB543  Data Security  12  3

C: INFORMATION MANAGEMENT EXTENDED MAJOR
(for Information Management primary major students only)
ITB340  Project  12
ITB341  Information Management 3  12  3
MAB172  Statistical Methods  12  3
SSB937  Applied Cognitive Psychology  12  3

Pre-Honours Extended Major
(for selected Information Management primary major students only)
ITB350  Project – H  12
ITB351  Information Management 3H  12  3
MAB172  Statistical Methods  12  3
SSB937  Applied Cognitive Psychology  12  3

D: INFORMATION SYSTEMS EXTENDED MAJOR
(for Information Systems primary major students only)
Students may select one of the following two extended majors:

Information Systems Extended Major 1
ITB232  Database Management  12  3
ITB240  Project  12
### Information Systems Elective Unit

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Semesters</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ITB231</td>
<td>Applications Development</td>
<td>12</td>
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<td>ITB232</td>
<td>Database Management</td>
<td>12</td>
<td>3</td>
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<tr>
<td>ITB235</td>
<td>Multimedia Systems Technologies</td>
<td>12</td>
<td>3</td>
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<tr>
<td>ITB236</td>
<td>Object-oriented Analysis &amp; Design</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB238</td>
<td>Introduction to Electronic Text Storage</td>
<td>12</td>
<td>3</td>
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<tr>
<td>ITB240</td>
<td>Project</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB241</td>
<td>Information Systems Management</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB242</td>
<td>Decision Support Systems</td>
<td>12</td>
<td>3</td>
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<tr>
<td>ITB243</td>
<td>Knowledge-based Systems</td>
<td>12</td>
<td>3</td>
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<tr>
<td>ITB244</td>
<td>Special Topic 1</td>
<td>12</td>
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<tr>
<td>ITB245</td>
<td>Special Topic 2</td>
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<td>ITB246</td>
<td>Unix &amp; C</td>
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<td>ITB247</td>
<td>Project</td>
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<td>ITB249</td>
<td>Theoretical Foundations of Database Systems</td>
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<td>3</td>
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### Information Systems Extended Major 2

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</thead>
<tbody>
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<td>Database Management</td>
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<tr>
<td>ITB236</td>
<td>Object-oriented Analysis &amp; Design</td>
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<td>3</td>
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<td>ITB243</td>
<td>Knowledge-based Systems</td>
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<td>Theoretical Foundations of Database Systems</td>
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### Pre-Honours Extended Major

(for selected Information Systems primary major students only)

<table>
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<td>ITB249</td>
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<td>MAB272</td>
<td>Research Methods</td>
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### E: SOFTWARE ENGINEERING EXTENDED MAJOR

(for Software Engineering primary major students only)

<table>
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<td>ITB456</td>
<td>Intelligent Graphic User Interfaces</td>
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### Software Engineering Elective Unit

#### First Semester Electives

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<th>Course Title</th>
<th>Semesters</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ITB220</td>
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<td>ITB420</td>
<td>Computer Architecture</td>
<td>12</td>
<td>3</td>
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<td>ITB430</td>
<td>Concurrent Systems</td>
<td>12</td>
<td>3</td>
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<tr>
<td>ITB431</td>
<td>Programming Language Paradigms</td>
<td>12</td>
<td>3</td>
</tr>
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<td>ITB441</td>
<td>Graphics</td>
<td>12</td>
<td>3</td>
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<tr>
<td>ITB451</td>
<td>Project</td>
<td>12</td>
<td>3</td>
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<tr>
<td>ITB520</td>
<td>Data Communications</td>
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#### Second Semester Electives

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<thead>
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<th>Course Title</th>
<th>Semesters</th>
<th>Credits</th>
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<tbody>
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<td>ITB223</td>
<td>Laboratory 4 (4GL Programming)</td>
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<td>ITB224</td>
<td>Systems Analysis &amp; Design 2</td>
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<td>ITB420</td>
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<td>ITB430</td>
<td>Concurrent Systems</td>
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<td>ITB431</td>
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<td>ITB440</td>
<td>Languages &amp; Language Processing</td>
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<td>ITB450</td>
<td>Advanced Computer Architecture</td>
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<tr>
<td>ITB453</td>
<td>Project</td>
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</table>

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7 ITB446 Project and one elective, subject to the approval of the Major Coordinator, may be replaced with ITB451 – a 24 credit point project taken over two semesters, or with ITB453 – a 24 credit point project taken in one semester.
Pre-Honours Extended Major
(for selected Software Engineering primary major students only)

ITB452 Project 24
ITB456 Intelligent Graphic User Interfaces 12 3
Software Engineering Elective Unit 12 3

For choice of elective units – see Software Engineering Extended Major above.

Secondary Majors (96 Credit Points)

POSSIBLE SECONDARY MAJORS: It is the responsibility of the student to check prerequisite requirements and availability of secondary majors prior to enrolment. The choice of a secondary major is subject to the approval of the relevant primary major coordinator and/or the IT20 Course Coordinator. Listed below are Secondary Majors available within the Faculty of Information Technology; other majors are available in other Faculties of this University.

COMPUTING SCIENCE SECONDARY MAJOR
(for Software Engineering primary major students)

ITB420 Computer Architecture 12 3
ITB430 Concurrent Systems 12 3
ITB431 Programming Language Paradigms 12 3
ITB520 Data Communications 12 3

Select one of the following options:
Option 1 Electives to the value of 48 credit points
Option 2 Relevant minor (48 credit points)

DATA COMMUNICATIONS SECONDARY MAJOR
(for Non-Data Communications primary major students)

ITB522 Advanced Data Communications 12 3
ITB530 Transport Protocols 12 3
ITB531 Applications Services 12 3
ITB532 Network Management 12 3
ITB535 Network Administration 12 3
MAB177 Mathematics for Data Communications 12 3
Data Communications Elective Unit 12
Data Communications Elective Unit 12

INFORMATION MANAGEMENT SECONDARY MAJOR
(for Computing Science, Data Communications, Information Systems and Software Engineering primary major students)

BSB115 Management, People & Organisations 12 3
ITB322 Information Resources 12 3
ITB323 Laboratory 4 (Information Support Methods) 12 3
ITB330 Information Issues & Values 12 3
ITB331 Information Management 2 12 3
SSB937 Applied Cognitive Psychology 12 3

Select two of the following units:
ITB241 Information Systems Management 12 3
ITB242 Decision Support Systems 12 3
ITB320 Laboratory 3 (Database Applications) 12 3
ITB340 Project 12
ITB341 Information Management 3 12 3
MAB172 Statistical Methods 12 3

INFORMATION SYSTEMS SECONDARY MAJOR
(for Computing Science, Data Communications, Software Engineering primary major students)

ITB220 Database Design 12 3
ITB222 Systems Analysis & Design 1
ITB223 Laboratory 4 (4GL Programming) 12 3
ITB224 Systems Analysis & Design 2 12 3
ITB241 Information Systems Management 12 3
### INFORMATION SYSTEMS SECONDARY MAJOR
(for Information Management primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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</thead>
<tbody>
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</tr>
<tr>
<td>ITB221</td>
<td>Laboratory 3 (Commercial Programming)</td>
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<td>Systems Analysis &amp; Design 2</td>
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<td>ITB241</td>
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<tr>
<td>MAB172</td>
<td>Statistical Methods</td>
<td>12</td>
</tr>
<tr>
<td>SSB937</td>
<td>Applied Cognitive Psychology</td>
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</table>

### LIBRARY AND INFORMATION STUDIES SECONDARY MAJOR
(for Information Management primary major students wishing to work in the Library field)

<table>
<thead>
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<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
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<td>ITP328</td>
<td>Information Sources 1</td>
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<td>ITP329</td>
<td>Information Resources Provision</td>
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<tr>
<td>ITP330</td>
<td>Professional Practice</td>
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<td>MAB172</td>
<td>Statistical Methods</td>
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<tr>
<td>SSB937</td>
<td>Applied Cognitive Psychology</td>
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### SOFTWARE ENGINEERING SECONDARY MAJOR
(for Computing Science primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>ITB222</td>
<td>Systems Analysis &amp; Design 1</td>
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<tr>
<td>ITB448</td>
<td>Object Technology</td>
<td>12</td>
</tr>
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<td>ITB454</td>
<td>Software Quality Assurance</td>
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</tr>
<tr>
<td>ITB455</td>
<td>Integrated Software Engineering Environments</td>
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</tbody>
</table>

Select one of the following options:

*Option 1* Electives to the value of 48 credit points
*Option 2* Relevant minor (48 credit points)

### SOFTWARE ENGINEERING SECONDARY MAJOR
(for Data Communications primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ITB222</td>
<td>Systems Analysis &amp; Design 1</td>
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<td>Data Structures &amp; Algorithms</td>
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<td>ITB423</td>
<td>Laboratory 4 (Software Development)</td>
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<td>ITB424</td>
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<td>ITB454</td>
<td>Software Quality Assurance</td>
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<tr>
<td>ITB455</td>
<td>Integrated Software Engineering Environments</td>
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<td>ITB456</td>
<td>Intelligent Graphic User Interface</td>
<td>12</td>
</tr>
</tbody>
</table>

### SOFTWARE ENGINEERING SECONDARY MAJOR
(for Database Systems primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB421</td>
<td>Data Structures &amp; Algorithms</td>
<td>12</td>
</tr>
<tr>
<td>ITB423</td>
<td>Laboratory 4 (Software Development)</td>
<td>12</td>
</tr>
<tr>
<td>ITB424</td>
<td>Software Engineering Principles</td>
<td>12</td>
</tr>
<tr>
<td>ITB454</td>
<td>Software Quality Assurance</td>
<td>12</td>
</tr>
<tr>
<td>ITB455</td>
<td>Integrated Software Engineering Environments</td>
<td>12</td>
</tr>
<tr>
<td>ITB456</td>
<td>Intelligent Graphic User Interface</td>
<td>12</td>
</tr>
<tr>
<td>Software Engineering Elective Unit</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>Software Engineering Elective Unit</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

### SOFTWARE ENGINEERING SECONDARY MAJOR
(for Information Management primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB222</td>
<td>Systems Analysis &amp; Design 1</td>
<td>12</td>
</tr>
<tr>
<td>ITB421</td>
<td>Data Structures &amp; Algorithms</td>
<td>12</td>
</tr>
<tr>
<td>ITB422</td>
<td>Laboratory 3 (ADTs in a Unix environment)</td>
<td>12</td>
</tr>
</tbody>
</table>
SOFTWARE ENGINEERING SECONDARY MAJOR
(for Information Systems primary major students)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB421</td>
<td>Data Structures &amp; Algorithms</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB422</td>
<td>Laboratory 3 (ADTs in a Unix environment)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB423</td>
<td>Laboratory 4 (Software Development)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB424</td>
<td>Software Engineering Principles</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB448</td>
<td>Object Technology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB454</td>
<td>Software Quality Assurance</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB455</td>
<td>Integrated Software Engineering Environments</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB456</td>
<td>Intelligent Graphic User Interfaces</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Two Minors (48 Credit Points each)

Minors are available from other Faculties as well as from the Faculty of Information Technology. It is the responsibility of the student to check prerequisite requirements and the availability and suitability of minors prior to enrolment. The choice of minors is subject to the approval of the relevant primary Major Coordinator and/or the IT20 Course Coordinator.

COMPUTING SCIENCE MINORS

Computing Science Minor 1
(for Data Communications primary major students)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB421</td>
<td>Data Structures &amp; Algorithms</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB422</td>
<td>Laboratory 3 (ADTs in a Unix environment)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Computing Science Elective Unit</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Computing Science Elective Unit</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Computing Science Minor 2
(for Information Management primary major students)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB115</td>
<td>Management, People &amp; Organisations</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB421</td>
<td>Data Structures &amp; Algorithms</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB422</td>
<td>Laboratory 3 (ADTs in a Unix environment)</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Computing Science Elective Unit</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Computing Science Minor 3
(for Information Systems primary major students)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB421</td>
<td>Data Structures &amp; Algorithms</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB431</td>
<td>Programming Language Paradigms</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Computing Science Elective Unit</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Computing Science Elective Unit</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Computing Science Minor 4
(for Software Engineering primary major students)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB420</td>
<td>Computer Architecture</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB430</td>
<td>Concurrent Systems</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB431</td>
<td>Programming Language Paradigms</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Computing Science Elective Unit</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

Computational Intelligence Minor

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB442</td>
<td>Foundations of Artificial Intelligence</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB461</td>
<td>Foundations of Neurocomputing</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

plus two of:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB456</td>
<td>Intelligent Graphic User Interfaces</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB462</td>
<td>Cognitive Systems</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB463</td>
<td>Pattern Recognition</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>
### DATA COMMUNICATIONS MINOR
(for non-Data Communications primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB522</td>
<td>Advanced Data Communications</td>
<td>12</td>
</tr>
<tr>
<td>ITB535</td>
<td>Network Administration</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Data Communications Elective Unit</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Data Communications Elective Unit</td>
<td>12</td>
</tr>
</tbody>
</table>

### INFORMATION MANAGEMENT MINORS

#### Information Management Minor
(for non-Information Management primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB323</td>
<td>Laboratory 4 (Information Support Methods)</td>
<td>12</td>
</tr>
<tr>
<td>ITB330</td>
<td>Information Issues &amp; Values</td>
<td>12</td>
</tr>
<tr>
<td>ITB331</td>
<td>Information Management 2</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Information Management Elective Unit</td>
<td>12</td>
</tr>
</tbody>
</table>

#### Library Services Minor

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB115</td>
<td>Management, People &amp; Organisations</td>
<td>12</td>
</tr>
<tr>
<td>ITP327</td>
<td>Information Organisation 1</td>
<td>12</td>
</tr>
<tr>
<td>ITP328</td>
<td>Information Sources 1</td>
<td>12</td>
</tr>
<tr>
<td>ITP329</td>
<td>Information Resources Provision</td>
<td>12</td>
</tr>
</tbody>
</table>

#### Records Management Minor

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB115</td>
<td>Management, People &amp; Organisations</td>
<td>12</td>
</tr>
<tr>
<td>ITP312</td>
<td>Organisation of Knowledge</td>
<td>12</td>
</tr>
<tr>
<td>ITP330</td>
<td>Professional Practice</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Information Systems Elective Unit</td>
<td>12</td>
</tr>
</tbody>
</table>

### INFORMATION SYSTEMS MINORS

#### Information Systems Minor 1
(for Computing Science, Data Communications and Software Engineering primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB220</td>
<td>Database Design</td>
<td>12</td>
</tr>
<tr>
<td>ITB222</td>
<td>Systems Analysis &amp; Design 1</td>
<td>12</td>
</tr>
<tr>
<td>ITB241</td>
<td>Information Systems Management</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Information Systems Elective Unit</td>
<td>12</td>
</tr>
</tbody>
</table>

#### Information Systems Minor 2
(for Information Management primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSB115</td>
<td>Management, People &amp; Organisations</td>
<td>12</td>
</tr>
<tr>
<td>ITB242</td>
<td>Decision Support Systems</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Information Systems Elective Unit</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Information Systems Elective Unit</td>
<td>12</td>
</tr>
</tbody>
</table>

#### Information Systems Minor 3
(for Computing Science and Software Engineering primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB221</td>
<td>Laboratory 3 (Commercial Programming)</td>
<td>12</td>
</tr>
<tr>
<td>ITB236</td>
<td>Object-oriented Analysis &amp; Design</td>
<td>12</td>
</tr>
<tr>
<td>ITB243</td>
<td>Knowledge-based Systems</td>
<td>12</td>
</tr>
<tr>
<td>ITB249</td>
<td>Theoretical Foundations of Database Systems</td>
<td>12</td>
</tr>
</tbody>
</table>

### SOFTWARE ENGINEERING MINORS

#### Software Engineering Minor 1
(for Computing Science primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB448</td>
<td>Object Technology</td>
<td>12</td>
</tr>
<tr>
<td>ITB454</td>
<td>Software Quality Assurance</td>
<td>12</td>
</tr>
<tr>
<td>ITB455</td>
<td>Integrated Software Engineering Environments</td>
<td>12</td>
</tr>
<tr>
<td>ITB456</td>
<td>Intelligent Graphic User Interfaces</td>
<td>12</td>
</tr>
</tbody>
</table>

#### Software Engineering Minor 2
(for Data Communications, Database Systems, Information Management or Information Systems primary major students)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB421</td>
<td>Data Structures &amp; Algorithms</td>
<td>12</td>
</tr>
<tr>
<td>ITB424</td>
<td>Software Engineering Principles</td>
<td>12</td>
</tr>
<tr>
<td>ITB454</td>
<td>Software Quality Assurance</td>
<td>12</td>
</tr>
</tbody>
</table>
Select one of the following units:

ITB423 Laboratory 4 (Software Development) 12 3
ITB448 Object Technology 12 3
ITB455 Integrated Software Engineering Environments 12 3
ITB456 Intelligent Graphic User Interfaces 12 3

INFORMATION SYSTEMS/SOFTWARE ENGINEERING MINOR
(for Data Communications primary major students)

ITB220 Database Design 12 3
ITB222 Systems Analysis & Design 1 12 3
ITB424 Software Engineering Principles 12 3
ITB448 Object Technology 12 3

Bachelor of Information Technology – Mid Year Intake 1996

The following course structure is for students who commenced the Bachelor of Information Technology in July 1996.

In order to allow students to undertake any one of the majors, the First Year units are spread over three semesters.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB210 Formal Representation</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB411 Software Development 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Unit from selected major/minor</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>BSB118 Business Communications &amp; Application Systems</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITB412 Technology of Information Systems</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB107 Programming Laboratory</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Three units selected from major/minor</td>
<td>36</td>
<td></td>
</tr>
</tbody>
</table>

Students will then follow the normal progression through their primary major area.

Cooperative Education Program
(Elective Unit ITB904 – Industrial Training Experience)

Aims

The purpose of the Cooperative Education Program is to provide students within the Bachelor of Information Technology experience of a real-world environment prior to the study of the more advanced aspects of the course. This experience:

(i) enables the student to place the concepts learned in the first two years in context, and

(ii) provides an experience that will enhance the benefits obtained from early study.

The Cooperative Education period necessarily involves reorientation and on-the-job training but students are expected to apply study skills to the acquisition of the necessary knowledge and, in general, employers are not expected to provide formal training.

Selection Criteria

The Cooperative Education program is available to full-time students enrolled in the fourth semester of the Bachelor of Information Technology degree (IT20), that is, who will have credit points in the range of 144-192 by the end of the year prior to the commencement of the program. Students are eligible to participate in the program if they have passed all units at the first attempt, or have a GPA (Grade Point Average) of at least 4.5. Students entering the course with exemptions for prior studies must have been exempted from no more than 96 credit points.

6 ITB107 replaces ITB102 Laboratory 2.
9 Select unit not undertaken in previous semester.
Features
The Cooperative Education Program is offered under the guise of the 24 credit point unit ITB904 Industrial Training Experience and has the following features:

- The Faculty assists students to obtain suitable employment for the one-year period and also discusses the nature of the work to be undertaken with the employer. As employers choose their placements from interviews, the Faculty also arranges for students to attend sessions on interview techniques conducted by the Counselling Centre.

- An academic member of staff normally visits the student once per semester and discusses progress with the student and a representative of the employer.

- During the training period the student writes two reports on the experience, submits them to the employer for endorsement and comment, and then hands them to the Administration Officer (Academic) for assessment. The reports should highlight different aspects of the period, and include comments and recommendations.

- Students will be assessed as either satisfactory or unsatisfactory in this unit. A satisfactory grade will be granted on the basis of:
  (i) satisfactory completion of an approved period of cooperative education, and
  (ii) submission of satisfactory reports on the year’s experience. The reports must be submitted not later than the due dates specified in the study guides.

- A salary is paid to the student by the employer during this training period.

- The Faculty carefully monitors all cooperative education placements and keeps a list of employers prepared to offer training. The Faculty makes its best endeavour to find suitable training places for all students who meet the selection criteria and elect to undertake this option.

- It is intended that full-time students on the scheme will devote their prime efforts to the Industrial Training Experience and will not, therefore, be permitted to register for more than one other unit per semester during that year.

Notes
(i) Where there has been significant evidence of plagiarism or computer misuse by a student at any time during the course, no placement will be available to that student.

(ii) Part-time students may be eligible for credit for industry experience, subject to certain conditions. Students should consult the Administration Officer (Academic) in the Faculty for further information.
COURSES

- Doctor of Juridical Science (LW50) ................................................................. 535
- Master of Arts (Justice Studies) by Coursework (JS51) .............................................. 540
- Master of Arts (Justice Studies) by Research and Thesis (JS52) .................................. 540
- Master of Laws by Coursework (LW51) .................................................................. 541
- Master of Laws by Research and Thesis (LW52) ....................................................... 545
- Graduate Certificate in Law (LW60) ........................................................................ 547
- Graduate Diploma in Legal and Justice Studies (JS41) .............................................. 549
- Graduate Diploma in Legal Practice (LP41) ............................................................ 550
- Bar Practice Course ............................................................................................... 552
- Bachelor of Business – Accounting (USQ)/Bachelor of Laws (LX33) ....................... 553
- Bachelor of Laws (LW33) ..................................................................................... 554
- Bachelor of Arts (Justice Studies)/Bachelor of Laws (LW41) .................................... 560
- Bachelor of Arts (Justice Studies) (Honours) (JS40) ............................................... 561
- Bachelor of Arts (Justice Studies) (JS31) ............................................................... 562
- Bachelor of Arts (Justice Studies) (In-service) (JS33) ............................................. 566
COURSE STRUCTURES

Doctor of Juridical Science (LW50)

Location: Gardens Point campus
Course Duration: Minimum of 2 1/2 years full-time, 5 years part-time
Total Credit Points: 288
Standard Credit Points/Full-Time Semester: 48 (Average)
Course Coordinator: Professor D.E. Fisher (Acting)

Entry Requirements
On the recommendation of the Dean of the Faculty of Law, the Research Management Committee may admit to candidature for the degree an applicant who:

(i) holds or has completed the requirements for the degree of Bachelor of Laws at QUT with at least Second Class Honours Division A or its equivalent from another institution which in the opinion of the Dean maintains standards comparable with those required for the award of the degree of Bachelor of Laws at QUT, or

(ii) is a graduate of another institution and is accepted by the Dean and the Research Management Committee as having qualifications equivalent to those specified in paragraph (i), or

(iii) has either (a) completed the requirements for a degree of Bachelor of Laws at QUT or its equivalent from another institution which, in the opinion of the Dean, maintains standards comparable with those required for the award of the degree of Bachelor of Laws at QUT, or (b) is admitted to practice as a barrister or solicitor in Queensland or another state or territory of Australia or, who in the opinion of the Dean, is similarly qualified; and in both cases (a) and (b) has completed at least 48 credit points towards the requirements for a degree of Master of Laws at QUT or its equivalent from another institution which in the opinion of the Dean maintains standards comparable with those required for the award of the degree of Master of Laws at QUT; or

(iv) holds or has completed the requirements for a degree of Master of Legal Practice at QUT, and

(v) has a minimum of two years’ professional experience in a position of responsibility appropriate to the proposed course of study, and

(vi) is recommended by the Dean as being suitably qualified in the particular field of study in which the applicant proposes to be a candidate.

Course Structure
Students undertake 96 credit points of coursework units taken from Schedule 1 and complete a dissertation component.

Stage 1
96 credit points of coursework units taken from Schedule 1 in the entry for LW51 Master of Laws by Coursework. The unit LWN048 Advanced Legal Research must be undertaken by candidates in their coursework component. (Schedule 1 lists units available in 1997.)

Stage 2
Dissertation component (approximately 70,000 words).

Full-Time Course Structure

Year 1, Semesters 1 and 2
Units taken from Schedule 1 for any given year equal to 48 credit points per semester. (Whole year units are counted as 12 credit points per semester.)
Year 2, Semesters 1 and 2
LWR002/1 and LWR002/2 Thesis (48 credit points each)

Year 3, Semesters 1 and 2
LWR002/3 and LWR002/4 Thesis (48 credit points each)

Part-Time Course Structure

Year 1, Semester 1 and 2
Units taken from Schedule 1 for any given year equal to 24 credit points per semester. (Whole year units are counted as 12 credit points.)

Year 2, Semester 1 and 2
Units taken from Schedule 1 for any given year equal to 24 credit points per semester. (Whole year units are counted as 12 credit points.)

Year 3, Semesters 1 and 2
LWR102/1 and LWR102/2 Thesis (24 credit points each)

Year 4, Semesters 1 and 2
LWR102/3 and LWR102/4 Thesis (24 credit points each)

Year 5, Semesters 1 and 2
LWR102/5 and LWR102/6 Thesis (24 credit points each)

Year 6, Semesters 1 and 2
LWR102/7 and LWR102/8 Thesis (24 credit points each)

Students have the option of enrolling in the dissertation component of the degree during summer semester (subject to availability of supervision staff), which would reduce the number of years taken to complete the course.

1. Studies During the Candidature

1.1 A candidate is required to complete successfully a course of study which results in a notable contribution to professional knowledge and practice. This contribution may be in the form of new knowledge and practice, or of significant and original adaptation, application and interpretation of existing knowledge and practice.

1.2 The degree comprises both a coursework (approximately 33%) and a dissertation component (approximately 66%). Candidates will pursue an approved course of advanced study and research, comprising 96 credit points of coursework whether by approved projects or in courses offered by QUT (including courses selected from within the subject offerings for the LLM degree by coursework at a grade point average of at least 5.0). The candidate will also pursue a dissertation in accordance with Rules 3 and 6. One of the units studied for the coursework requirements must be Advanced Legal Research, or equivalent as approved by the Faculty’s Research and Postgraduate Studies Committee.

1.3 Candidates must successfully complete all coursework requirements at the appropriate standard prior to commencing the dissertation. As far as possible, the topic of the dissertation must extend the coursework component. Subject to Rule 3, the Research and Postgraduate Studies Committee will approve the course of study for the degree prior to commencement and will recommend for each candidate an Academic Supervisor who will normally be the Principal Supervisor for the candidate’s dissertation.

1.4 The Research Management Committee on the recommendation of the Dean of the Faculty of Law may approve a variation in a candidate’s course of study and research.

2. Credit for Previous Studies/Transfer of Registration

The Research Management Committee on the recommendation of the Dean of the Faculty of Law may grant a candidate credit in the following circumstances:

2.1 Where a candidate has undertaken part of a proposed course of study as a registered student in another institution, and has undertaken coursework as part of a Master’s degree, that candidate, through application in writing to Research Management Committee at the time of applying for registration, may have credit granted towards the candidate’s course of study at QUT provided that the work for which a candidate seeks credit has been completed at a grade point average of at least 5.0 on a seven-point grading scale. The
applicant must include details of the work already undertaken, the reasons for the transfer and the expected date of completion.

2.2 A candidate who has completed at least 48 credit points towards a Masters degree at QUT or elsewhere at a grade point average of 5.0 may apply for transfer to a doctoral degree in the professional field of law. The candidate shall prepare for the Research Management Committee a detailed progress report, and the Committee shall seek the advice through the Dean of the candidate’s Academic Supervisor. Where coursework has been undertaken as part of the Masters degree, a transfer normally may be approved only if the candidate has attained a grade point average of at least 5.0 on a seven-point scale.

2.3 Subject to these rules, a candidate who has completed a Masters degree in Law may be granted credit of up to 48 credit points for units passed for that degree at a grade point average of at least 5.0 on a 7 point scale.

2.4 Application for transfer normally should be submitted at least 24 months in advance of the probable date of completion of the dissertation component of the QUT Doctor of Juridical Science program.

2.5 The registration period for a doctoral degree in a professional field shall include such prior registration as may be approved by the Research Management Committee.

2.6 A candidate who is unable to complete the approved course of study may apply for transfer to an appropriate Masters degree.

3. Dissertation Requirements

3.1 When a candidate successfully completes the coursework component of the degree, the Academic Supervisor shall so certify to the Research Management Committee. The dissertation may not be commenced until the Committee receives such certification.

3.2 The dissertation must be presented in accordance with the requirements of the relevant rules of QUT.

3.3 Subject to the above and subject to the requirements of Rule 1, the candidate shall submit a detailed proposal for a topic for the dissertation to the Research and Postgraduate Studies Committee at the time the candidate seeks approval for the candidate’s course of studies.

3.4 The topic for the dissertation must involve both an appropriate theoretical perspective and a specific orientation to professional practice and application.

3.5 Normally, two supervisors shall be appointed for each dissertation prepared by a candidate. One supervisor shall be the Principal Supervisor, with responsibility for supervising the preparation of the dissertation on a frequent basis. The Principal Supervisor shall be a member of the QUT Faculty of Law. Recommendations of suitable persons to be Principal Supervisor and Associate Supervisor for a dissertation shall be made by the Research and Postgraduate Studies Committee to the Dean and approved by the Research Management Committee.

3.6 A candidate enrolled for the degree shall, at least once per semester during the period of candidature, consult with the Principal Supervisor and, where appropriate, any Associate Supervisor.

3.7 A candidate shall participate in such University scholarly activity, such as research seminars, as are deemed appropriate by the Principal Supervisor.

4. Progress Reports

4.1 A candidate shall prepare at the end of each semester during which the dissertation is being written a statement in the appropriate form of the work done towards the degree and submit it to the Principal Supervisor.

4.2 The Principal Supervisor shall within a fortnight of receiving the candidate’s statement of work prepare a report to be given to the candidate for comment. The candidate shall sign the report in acknowledgment of this and return it to the supervisor forthwith, together with any written comments the candidate may wish to make.

4.3 Both reports together with any accompanying comments by the candidate shall then be forwarded through the Faculty’s Research and Postgraduate Studies Committee and the Dean to the Research Management Committee.

4.4 Where, in the opinion of the Research Management Committee, a candidate has not made satisfactory progress towards completing the requirements for the degree, the Research Management Committee on the
advice of the Dean shall call upon the candidate to show cause why the enrolment of the candidate should not be terminated for lack of satisfactory progress.

4.5 Upon failure of the candidate to show cause the candidate’s enrolment will be terminated.

5. Confirmation of Candidature

5.1 At the end of the second semester only after commencement of the dissertation component of the course the candidate will have to seek confirmation of candidature in accordance with this Rule.

5.2 To seek confirmation of candidature the Supervisor shall submit a written report of the candidate’s progress together with a report from the candidate to the first Research and Postgraduate Studies Committee meeting held immediately after the end of the second semester of enrolment in the dissertation component of the degree.

5.3 The report of the Supervisor shall provide a written appraisal of:

☐ the candidate’s progress
☐ the candidate’s suitability for continuation in the SJD program
☐ the full course of study
☐ likely budget requirements and funds available
☐ certification: signature of the Principal Supervisor and date.

The report of the candidate shall provide:

☐ a detailed account of:
  – progress of the date, including details of completed coursework and grades obtained
  – problems encountered
☐ an indication of whether the thesis will be completed on time
☐ certification: signature of the candidate and date

5.4 If confirmation of candidature is not approved then the Research and Postgraduate Studies Committee shall decide whether or not to extend the period for confirmation, and, if so, by what time, or recommend cancellation of enrolment, as the case may be.

6. Time Limits

6.1 Subject to Rules 6.2 and 6.3, a candidate may proceed either on a full-time or part-time basis.

6.2 Subject to 6.3 and 6.5, and except in special circumstances and with the approval of the Research Management Committee, all candidates shall complete a minimum of 36 months’ registration if a full-time student, or 72 months if a part-time student, or such other period as may be approved by the Research Management Committee.

6.3 Where the candidate is a holder of a Masters Degree in Law, the period of registration shall be not less than 30 months in the case of a full-time student and not less than 60 months in the case of a part-time student.

6.4 Except in special circumstances and with the approval of the Research Management Committee:

(i) A full-time candidate shall complete all the requirements for the degree not later than 54 months after first registration.

(ii) A part-time candidate shall complete all the requirements for the degree not later than 72 months after first registration.

6.5 Where a candidate has approval from the Faculty Research and Postgraduate Studies Committee to enrol in a dissertation component during a summer semester, the minimum time limit for registration may be reduced.

7. Examination of the Dissertation

7.1 The candidate shall present a dissertation of approximately 70,000 words which shall constitute a substantial and original contribution to knowledge and understanding in the area of the law that is the subject of the research, in satisfaction of Rule 1.1. The dissertation must include a statement of objectives of the investigation and must acknowledge the sources from which the information is derived, the extent to which the work of others has been used, and that the work is original and otherwise complies with the
University’s requirements for presenting dissertations. Any substantial financial assistance received must also be acknowledged.

7.2 A candidate may not present as the dissertation any work which has been presented for another degree at QUT or any other institution.

7.3 Subject to agreement between supervisors and not later than three months before the proposed date for submission of the dissertation, the Principal Supervisor will recommend through the Faculty’s Research and Postgraduate Studies Committee to the Research Management Committee the composition of a proposed Examination Committee, together with the title of the candidate’s dissertation.

7.4 In order to determine whether a dissertation is acceptable for examination, a candidate may be examined orally by a Law Faculty panel of three persons appointed by the Dean. The Principal Supervisor shall be one of those three persons and shall chair the panel. All available members of the Examination Committee should attend the oral examination. The examination will be based on the work described in the dissertation and the field of study in which the investigation lies. The candidate will provide sufficient copies of the dissertation, bound in temporary cover, for the panel and the examiners.

7.5 The Faculty Panel will advise the Research and Postgraduate Studies Committee and the Research Management Committee whether the dissertation is acceptable for examination. If it does, the dissertation, in the format required by QUT, must be presented to the Research Management Committee together with certification that the dissertation has been accepted by the Law Faculty. Receipt of the dissertation by the Research Management Committee constitutes submission of the candidate’s dissertation for examination. The candidate’s Principal Supervisor shall forward proposed arrangements for examination of the dissertation through the Law Faculty Research and Postgraduate Studies Committee to the Research Management Committee for approval.

7.6 A dissertation shall normally be examined by an Examination Committee comprising one examiner from the QUT Faculty of Law, who shall chair the Committee, and two external examiners. The external examiners must be independent of QUT. The Research Management Committee will provide the examiners with a copy of the dissertation and of all relevant requirements and information. Normally, examiners must read and report upon the dissertation within two months of its receipt.

7.7 When the examiners are in agreement with respect to the dissertation, the Chairperson shall transmit the result of the examination on the prescribed form to the Chairperson of the Research Management Committee. The examiners’ report shall recommend (i) that the dissertation be accepted, with or without minor modifications, or (ii) that the candidate be re-examined, or (iii) that the dissertation not be accepted and the candidature be terminated. When the recommendation is that the dissertation be accepted, the chairperson must return an Examiners’ Report together with a certificate signed by each examiner recommending acceptance of the dissertation towards fulfilment of the conditions for the award of the Doctor of Juridical Science degree.

8. Award of Degree

8.1 In order to qualify for the award of the Doctor of Juridical Science degree, a candidate must submit to the Research Management Committee:

(i) a declaration signed by the candidate that he or she has not been a candidate for another tertiary award during the period of candidature without the permission of the Research Management Committee, and

(ii) a certificate recommending acceptance of the dissertation towards fulfilment of the conditions for the Doctor of Juridical Science degree signed by each member of the Faculty Panel that recommended examination of the dissertation, and the Examination Committee which accepted it, together with three copies of the dissertation in the format required by the Queensland University of Technology, and

(iii) a certificate of satisfactory completion of the candidate’s approved course of study signed by the candidate’s Academic Supervisor, and

(iv) an application for conferral of the degree.

8.2 When the degree has been awarded, a copy of the dissertation incorporating any required amendments and revisions shall be lodged in the University and the Law Libraries.
Master of Arts (Justice Studies) by Coursework (JS51)

Location: Kelvin Grove campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Gayre Christie

Entry Requirements

To be eligible to apply for admission an applicant should:

(i) hold a Bachelor of Arts (Justice Studies) degree (or a qualification deemed equivalent) and have an approved Honours degree, or a graduate diploma in an appropriate field of study with a GPA of 5.0 or better, or approved professional experience deemed equivalent; or

(ii) hold an approved four-year undergraduate degree in an appropriate field.

Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>JSN001 Theories of Justice 1</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>JSN002 Theoretical Criminology</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>JSN003 Applied Criminology</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSN006 Independent Study 1 OR Elective</td>
<td>12</td>
<td>3</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>JSN004 Issues in Criminal Justice</td>
</tr>
<tr>
<td>JSN005 Theories of Justice 2</td>
</tr>
<tr>
<td>Elective</td>
</tr>
<tr>
<td>JSN007 Independent Study 2 OR Elective</td>
</tr>
</tbody>
</table>

Part-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>JSN001 Theories of Justice 1</td>
</tr>
<tr>
<td>JSN002 Theoretical Criminology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>JSN004 Issues in Criminal Justice</td>
</tr>
<tr>
<td>JSN005 Theories of Justice 2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>JSN003 Applied Criminology</td>
</tr>
<tr>
<td>JSN006 Independent Study 1 OR Elective</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective</td>
</tr>
<tr>
<td>JSN007 Independent Study 2 OR Elective</td>
</tr>
</tbody>
</table>

Master of Arts (Justice Studies) by Research and Thesis (JS52)

Location: Kelvin Grove campus

Course Duration: Minimum of 1 year full-time, 2 years part-time

Total Credit Points: 96

Course Coordinator: Dr Gayre Christie

Entry Requirements

To be eligible to apply for admission, an applicant should:

(i) hold a Bachelor of Arts (Justice Studies) (Honours) or a Graduate Diploma in Legal and Justice Studies; or

(ii) hold an approved Honours degree or appropriate postgraduate diploma; or
(iii) have substantial professional experience in the field in which the proposed research work is to be undertaken and deemed to be appropriate by the Course Coordinator; or
(iv) undertake an appropriate Masters qualifying program as stipulated by the Course Coordinator on the recommendation of the Justice Studies Research and Ethics Committee. Pending satisfactory completion of a qualifying program, provisional status may be granted to the candidate; or
(v) submit professional publications or other appropriate evidence which satisfies the Course Coordinator, on the recommendation of the Justice Studies Research and Ethics Committee, that advanced knowledge and research ability has been acquired in an appropriate field which the proposed research work is to be undertaken.

**Thesis Requirements**
The thesis submitted for the degree should be not less than 50 000 words and should constitute a substantial contribution to knowledge and understanding in the areas of criminology, law enforcement, intelligence and security, corrections and the community and legal and justice policy.

**Course Structure**

**Semester 1**

**Full-Time students**
IFN100  Full-time Masters research
or, in instances where a candidate has exceeded the normal course duration and an extension of time has been approved,
IFN101  Full-time Masters research (extension)

**Part-Time students**
IFN200  Part-time Masters research
or, in instances where a candidate has exceeded the normal course duration and an extension of time has been approved,
IFN201  Part-time Masters research (extension)

**Master of Laws by Coursework (LW51)**

**Location:** Gardens Point campus

**Course Duration:** 1 year full-time, 3 years part-time

**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Professor D.E. Fisher (Acting)

**Entry Requirements**
Applicants for admission shall have satisfied one of the following conditions:
(i) completed the requirements for the degree of Bachelor of Laws of QUT
(ii) completed the requirements for the award of a degree in law of another tertiary institution which, in the opinion of the Dean, maintains standards comparable with those required for the award of the degree of Bachelor of Laws of QUT
(iii) hold a professional qualification in law and at least three years of professional legal experience subsequent to first admission to practice and also satisfy the Dean that they have the requisite ability to complete the LLM by Coursework degree.

**Course Structure**
The Course Structure comprises 96 credit points of coursework units for a Pass degree together with a dissertation (a further 48 credit points) for an Honours degree.
The units from which 96 credit points shall be chosen are subject to availability.

**Full-Time Course Structure**

**Year 1, Semesters 1 and 2**
Units taken from Schedule 1 for any given year equal to 48 credit points per semester. (Whole year units are counted as 12 credit points per semester.)
Part-Time Course Structure

**Year 1, Semesters 1 and 2**
Units taken from Schedule 1 for any given year equal to a minimum of 12 credit points per semester.
(Whole year units are counted as 12 credit points per semester.)

**Year 2, Semesters 1 and 2**
Units taken from Schedule 1 for any given year equal to a minimum of 12 credit points per semester.
(Whole year units are counted as 12 credit points per semester.)

**Year 3, Semesters 1 and 2**
Units taken from Schedule 1 for any given year equal to a minimum of 24 credit points per semester.
(Whole year units are counted as 12 credit points per semester.) Where students undertake more than the minimum course load in Years 1 and 2, they may undertake a minimum of 12 credit points per semester in Year 3.

**Course Majors**

In 1997 students undertaking the Master of Laws by Coursework) may elect to major in Environmental Resources Law or Commercial Law.

### Schedule 1: Accredited Coursework Units

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>LWN003</td>
<td>Advanced Family Law 2</td>
<td>24</td>
</tr>
<tr>
<td>LWN008</td>
<td>Commercial Leases 2</td>
<td>24</td>
</tr>
<tr>
<td>LWN017</td>
<td>Restitution</td>
<td>12</td>
</tr>
<tr>
<td>LWN018</td>
<td>Select Problems of Trusts 2</td>
<td>12</td>
</tr>
<tr>
<td>LWN020</td>
<td>Non-resident &amp; Foreign Source Taxation</td>
<td>12</td>
</tr>
<tr>
<td>LWN021</td>
<td>Banking &amp; Finance Law 1</td>
<td>12</td>
</tr>
<tr>
<td>LWN022</td>
<td>Banking &amp; Finance Law 2</td>
<td>12</td>
</tr>
<tr>
<td>LWN024</td>
<td>Select Problems of Tribunals &amp; Enquiries</td>
<td>12</td>
</tr>
<tr>
<td>LWN025</td>
<td>Research Project 1A</td>
<td>12</td>
</tr>
<tr>
<td>LWN026</td>
<td>Research Project 2A 1</td>
<td>24</td>
</tr>
<tr>
<td>LWN028</td>
<td>Advanced Securities</td>
<td>12</td>
</tr>
<tr>
<td>LWN030</td>
<td>Dispute Resolution/Mediation</td>
<td>12</td>
</tr>
<tr>
<td>LWN031</td>
<td>Foreign Investment Law &amp; Practice</td>
<td>12</td>
</tr>
<tr>
<td>LWN032</td>
<td>Credit for UQ Subject 1</td>
<td>12</td>
</tr>
<tr>
<td>LWN033</td>
<td>Credit for UQ Subject 2</td>
<td>12</td>
</tr>
<tr>
<td>LWN034</td>
<td>Credit for UQ Subject 3</td>
<td>24</td>
</tr>
<tr>
<td>LWN035</td>
<td>Medico-legal Issues</td>
<td>12</td>
</tr>
<tr>
<td>LWN036</td>
<td>Select Issues of Intellectual Property Law</td>
<td>12</td>
</tr>
<tr>
<td>LWN037</td>
<td>Stamp Duty &amp; Commercial Transactions</td>
<td>12</td>
</tr>
<tr>
<td>LWN038</td>
<td>Capital Gains Tax &amp; Commercial Transactions</td>
<td>12</td>
</tr>
<tr>
<td>LWN041</td>
<td>Economic Analysis of the Law</td>
<td>12</td>
</tr>
<tr>
<td>LWN043</td>
<td>Law of Company Takeovers</td>
<td>12</td>
</tr>
<tr>
<td>LWN044</td>
<td>Institutional Investors</td>
<td>12</td>
</tr>
<tr>
<td>LWN045</td>
<td>The Law Relating to Public &amp; Official Corruption</td>
<td>12</td>
</tr>
<tr>
<td>LWN046</td>
<td>Advanced Planning Law 2</td>
<td>12</td>
</tr>
<tr>
<td>LWN047</td>
<td>Legal Education</td>
<td>12</td>
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<tr>
<td>LWN048</td>
<td>Advanced Legal Research</td>
<td>12</td>
</tr>
<tr>
<td>LWN049</td>
<td>International Environmental Law 2</td>
<td>12</td>
</tr>
<tr>
<td>LWN050</td>
<td>Restrictive Trade Practices Law 2</td>
<td>12</td>
</tr>
<tr>
<td>LWN051</td>
<td>Consumer Protection &amp; Product Liability</td>
<td>12</td>
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<tr>
<td>LWN052</td>
<td>Litigation – Civil Procedure 2</td>
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<tr>
<td>LWN053</td>
<td>Research Project 1B</td>
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</tr>
<tr>
<td>LWN054</td>
<td>Contemporary Commercial Legal Issues 2</td>
<td>12</td>
</tr>
<tr>
<td>LWN055</td>
<td>Civil Rights</td>
<td>12</td>
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<tr>
<td>LWN056</td>
<td>Research Project 1C</td>
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</tbody>
</table>

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1. *Subject to University approval.*
2. *It is intended that these units will be offered in 1997 subject to demand and availability of staff.*
3. *Unit extends over two semesters.*
LWN057 Research Project 1D 12
LWN058 Research Project 2B 24
LWN059 Remedies 12
LWN060 Environmental Legal System 12
LWN061 Natural Resources Law 12
LWN062 Federal Environmental Law 12
LWN063 Comparative Environmental Law 12
LWN064 Theories of Contemporary Legal Critiques 12
LWN065 Construction & Engineering Law 12
LWN066 Advanced Insurance Law 24
LWN070 Credit for UQ Subject 4 12
LWN071 Credit for UQ Subject 5 12
LWN072 Credit for UQ Subject 6 24
LWN075 International Commercial Transactions 12
LWN076 International Commercial Disputes 12
LWN077 Litigation – Evidence 12
LWN078 Advanced Criminal Evidence & Procedure 12
LWN079 Joint Ventures 12
LWN080 Select Issues in the Law of Obligations 12
LWN081 Restitution 12
LWN082 Intellectual Property: Litigation 12
LWN083 Estate Planning 12
LWN084 International Marine Pollution Law 12
LWN085 International Law of the Sea 12
LWN086 Selected Issues in Practising Law 12
LWN087 Contemporary Issues in Torts 12
LWN088 Government Law, Policy & Practice 12
LWN089 Current Legal Problems Affecting Sports 12
LWN090 Corporate Taxation 1 12
LWN091 Taxation of Non-Corporate Entities 1 12
LWN092 Australian Immigration & Citizenship Law 1 12

Note that in 1997 the units LWN008 Commercial Leases, LWN048 Advanced Legal Research, LWN051 Consumer Protection and Product Liability and LWN060 Environmental Legal System will be offered in the external mode as well as the internal mode.

**Major in Environmental Resources Law**

Students undertake 96 credit points selected from the following units:

LWN046 Advanced Planning Law 12
LWN049 International Environmental Law 12
LWN060 Environmental Legal System 12
LWN061 Natural Resources Law 12
LWN062 Federal Environmental Law 12
LWN063 Comparative Environmental Law 12
LWN065 Construction & Engineering Law 12
LWN079 Joint Ventures 12
LWN084 International Marine Pollution Law 12
LWN085 International Law of the Sea 12
LWN086 Selected Issues in Practising Law 12
LWN087 Contemporary Issues in Torts 12
LWN088 Government Law, Policy & Practice 12
LWN089 Current Legal Problems Affecting Sports 12
LWN090 Corporate Taxation 1 12
LWN091 Taxation of Non-Corporate Entities 1 12
LWN092 Australian Immigration & Citizenship Law 1 12

Up to 48 credit points may be taken in the form of research projects.

These units may be taken in any order. However, it is recommended that LWN060 Environmental Legal System and LWN061 Natural Resources Law should be taken first.

**Major in Commercial Law**

Students undertake 96 credit points selected from the following units:

LWN008 Commercial Leases 24
LWN021 Banking & Finance Law 1 12

1. Subject to University approval.
2. It is intended that these units will be offered in 1997 subject to demand and availability of staff.
3. Unit extends over two semesters.
LWN022 Banking & Finance Law 2 12
LWN028 Advanced Securities 12
LWN043 Law of Company Takeovers\(^2\) 12
LWN050 Restrictive Trade Practices Law\(^2\) 12
LWN051 Consumer Protection & Product Liability\(^2\) 12
LWN054 Contemporary Commercial Legal Issues\(^2\) 12
LWN066 Advanced Insurance Law\(^2,3\) 24
LWN075 International Commercial Transactions\(^2\) 12
LWN076 International Commercial Disputes\(^2\) 12
LWN079 Joint Ventures\(^2\) 12
LWN090 Corporate Taxation\(^1,2\) 12
LWN091 Taxation of Non-Corporate Entities\(^1,2\) 12

**LWN100 Honours Dissertation**

A coursework student who has obtained 96 credit points and who has a grade point average of 6.0 or better for all units attempted shall be eligible to enrol for an Honours Dissertation. A coursework student who has obtained 96 credit points and who has a grade point average of better than 5.5 and less than 6.0 for all units attempted shall, with the prior approval of the Director of Research and Postgraduate Studies, be eligible to enrol for an Honours Dissertation.

Students who intend to undertake the Honours Dissertation should indicate their intention to the Secretary, Research and Postgraduate Studies, before the end of their last semester of study.

The Honours Dissertation shall be not less than 20 000 words and not more than 30 000 words in length, and shall be prepared in accordance with the paper *Presentation of Legal Theses* by E.M. Campbell, copies of which are held in the Law Library. It shall include a title page, table of contents and bibliography.

Applications to undertake an Honours Dissertation must be made on the prescribed form available from the Secretary, Research and Postgraduate Studies, detailing topic, proposed supervisor, etc. The obligation for finding a supervisor lies with the student. A list of research interests of Faculty staff is released in October of each year. Applications close in the second week of the semester in which the student is enrolled for the Honours dissertation. Students are advised of the success or otherwise of their application no later than Week 4 of the semester in which the student is enrolled. If the topic and supervisor are approved, the student shall pursue their research for the dissertation under the direction of the supervisor.

The student shall submit four clear typed copies of their dissertation to the Secretary, Research and Postgraduate Studies of the Faculty of Law. The dissertation must be submitted no later than the last day of the examination period of the second consecutive semester. On submission of the dissertation, the student shall furnish a signed statement that the dissertation is their work alone, except where due acknowledgment is made in the text, and does not include material which has been previously submitted or accepted for a degree or diploma. The dissertation shall be referred to two examiners. Each examiner shall report as to whether, in his or her opinion, the dissertation is of sufficient merit and is one that is likely to be accepted for publication by a learned journal. Each examiner shall also recommend that the dissertation:

(i) be accepted, or
(ii) not be accepted, or
(iii) be accepted subject to amendments to be made to the satisfaction of the supervisor,

and, in any event, shall recommend that the dissertation be awarded a grade of fail or one of the pass grades.

Following acceptance of the dissertation, two copies shall be bound in an approved form at the student’s expense and one copy submitted to the Law Librarian for deposit in the QUT Faculty of Law Library and the other copy submitted for inclusion in the Queensland University of Technology Library. Any corrections resulting from the examiners’ assessment shall be made prior to binding, and by retyping if they would otherwise be obtrusive.

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1. *Subject to University approval.*
2. *It is intended that these units will be offered in 1997 subject to demand and availability of staff.*
3. *Unit extends over two semesters.*
Master of Laws by Research and Thesis (LW52)

Location: Gardens Point campus

Course Duration: Minimum of 1 year full-time, 2 years part-time

Total Credit Points: 96

Course Coordinator: Professor D.E. Fisher (Acting)

1. Rules for the Master of Laws Degree by Research and Thesis

1.1 The following rules apply to the degree of Master of Laws to be obtained by research and thesis awarded by the Queensland University of Technology, and are made with the authority of the Academic Board of this University.

2. Master of Laws Degree by Research and Thesis

2.1 The Master of Laws (LLM) degree by Research and Thesis may be awarded as:

2.1.1 Master of Laws, or

2.1.2 Master of Laws with First Class Honours, or

2.1.3 Master of Laws with Second Class Honours.

3. Entry Requirements

The following persons shall be eligible to apply for admission as a student for the degree:

3.1 A person who has completed the requirements for the degree of Bachelor of Laws of QUT with at least Second Class Honours Division A, or its equivalent from another institution which, in the opinion of the Dean of the Faculty of Law, maintains standards comparable with those required for the award of the degree of Bachelor of Laws of QUT, or

3.1.1 A person who has completed the requirements for the degree of Bachelor of Laws of QUT at a standard of Second Class Honours Division B or a lesser standard, or its equivalent from another institution which, in the opinion of the Dean, maintains standards comparable with those required for the award of the degree of Bachelor of Laws of QUT, or

3.1.2 A person admitted or entitled to be admitted to practice in the State of Queensland.

3.2 Candidates falling within sub-clauses 3.1.1 and 3.1.2 must also satisfy the following to be eligible for admission:

3.2.1 Three years’ professional experience in the field in which the proposed research work is to be undertaken, or

3.2.2 Satisfactory completion of an appropriate Masters qualifying program stipulated by the Director of Research and Postgraduate Studies on the recommendation of the Research and Postgraduate Studies Committee. Pending satisfactory completion of a qualifying program, provisional status may be granted to the candidate, or

3.2.3 The submission of professional publications or other appropriate evidence which satisfies the Director of Research and Postgraduate Studies on the recommendation of the Faculty’s Research and Postgraduate Studies Committee that advanced knowledge and research ability has been acquired in the field of law in which the proposed research work is to be undertaken, and

3.2.4 The Dean of the Faculty of Law is satisfied of the ability of the candidate to complete the required research and thesis towards the degree.

4. Admission and Enrolment

4.1 A person applying for admission shall do so through the Registrar to the Dean.

4.2 Admission of a person as a candidate for the degree shall be at the discretion of the Dean on the recommendation of the Faculty’s Research and Postgraduate Studies Committee.

4.3 A person applying for admission as a candidate for the degree shall apply in accordance with the requirements of the Registrar and shall pay all prescribed fees.

For continuing students only. Students who commence the degree as of September 1996 will not have the option of having the degree awarded with Honours.
4.4 A person admitted as a candidate may enrol as either an internal full-time student or an internal part-time student.

5. Progress Reports
5.1 A candidate shall prepare within two weeks following the end of each semester a statement of the work done towards the degree and submit it to the appointed supervisor.

5.2 The supervisor shall prepare a report on the work done by the candidate during that semester and the report shall be given to the candidate for comment, and the candidate shall sign the report in acknowledgment of this and return it to the supervisor.

5.3 Both reports together with any accompanying comments by the candidate shall then be forwarded through the Faculty’s Research and Postgraduate Studies Committee and the Dean to the University’s Research Management Committee within four weeks following the end of that semester.

5.4 Where, in the opinion of the Research Management Committee, a candidate has not made satisfactory progress towards completing the requirements for the degree, the Research Management Committee on the advice of the Dean shall call upon the candidate to show cause why the enrolment of the candidate should not be terminated for lack of satisfactory progress.

5.5 Upon failure of the candidate to show cause the candidate’s enrolment will be terminated.

6. Thesis Requirements
6.1 The thesis submitted for the degree shall be not less than 50,000 words and not more than 60,000 words in length and shall constitute a substantial contribution to knowledge and understanding in the area of the law and subject of the research. It shall include a title page, table of contents and bibliography, and shall otherwise comply with the University’s requirements for presenting theses.

6.2 The candidate shall submit a detailed proposal for a topic for the thesis to the Dean not later than the end of February or August, as the case may be, in the year in which the candidate is enrolled.

6.3 The Faculty’s Research and Postgraduate Studies Committee may, upon the recommendation of the Dean, vary the title of the thesis topic.

6.4 A candidate enrolled for the degree shall, at least once per semester during the period of candidature, consult with the supervisor and, where appropriate, any co-supervisor appointed by the Law Academic Board on the advice of the Dean.

6.5 A candidate shall submit four copies of the thesis in the form prescribed by the University for the submission of theses to the Dean not later than the end of November or May, as the case may be, in the year in which the candidate is required to complete the degree. On submission of the thesis, the candidate shall furnish a written statement to the effect that the thesis is that candidate’s work alone, except where due acknowledgment is made in the text, and does not include material which has been previously submitted or accepted for a degree or diploma.

6.6 The Research and Postgraduate Studies Committee shall refer the thesis to two examiners, at least one of whom must be external to the University. Each examiner shall report, normally within two months of receipt of the thesis, whether in the examiner’s opinion, the thesis is of the standard required for the award of the degree. Each examiner shall also recommend that the thesis:

(i) be accepted
(ii) not be accepted, or
(iii) be accepted subject to amendments to be made to the satisfaction of the supervisor, and
(iv) if accepted, whether the degree be awarded with First Class Honours, Second Class Honours or as a Pass degree.4

6.7 The Faculty’s Research and Postgraduate Studies Committee shall forward the examiners’ reports to the Law Academic Board together with its recommendation.

6.8 The Academic Board shall thereafter refer the examiners’ reports to the Research Management Committee with its recommendations.

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4 For continuing students only. Students who commence the degree as of September 1996 will not have the option of having the degree awarded with Honours.
6.9 Following final acceptance of the thesis, two copies shall be bound in the prescribed form at the candidate’s expense and one copy submitted to the QUT Faculty of Law Library and the other copy submitted to the Queensland University of Technology Library and shall otherwise be treated in accordance with University policy. Any corrections resulting from the examiners’ assessment shall be made prior to binding, and by retyping if they would otherwise be obtrusive.

7. Credit for Research Work Done Elsewhere
7.1 The Dean, on the advice of the Director of Research and Postgraduate Studies, may grant credit toward the Master of Laws degree by Research and Thesis for work done at another institution of similar standing. Such credit shall not be granted unless the candidate provides to the Dean:
(i) evidence that the candidate has cancelled or terminated enrolment at the other institution, and
(ii) a written undertaking that the candidate will not seek credit in any form or manner for work done at the other institution or any other institutions except to complete the degree at QUT.

8. Time for Completion Requirements
8.1 Except in special circumstances and with the approval of the Director of Research and Postgraduate Studies:
(i) a full-time candidate shall complete all the requirements for the degree not earlier than the end of the second semester and not later than the end of the sixth semester of candidature
(ii) a part-time candidate shall complete all the requirements for the degree not earlier than the end of the fourth semester and not later than the end of the eighth semester of the candidature.

8.2 The Dean may, upon the application of the candidate and on the advice of the Director of Research and Postgraduate Studies, extend any time limited by the rules by such further period as may be consistent with general University rules.

9. Award of Degree
9.1 A candidate who has fulfilled the requirements of these rules and who has otherwise complied with the provisions of all statutes and other rules applicable may be admitted to the degree of Master of Laws at the grade which the Academic Board on the recommendation of the Law Academic Board and Research Management Committee recommends for the award.

Graduate Certificate in Law (LW60)
This course is subject to final University approval.

Location: Gardens Point Campus
Course Duration: 2 semesters part-time
Total Credit Points: 48
Standard Credit Points/Part-time semester: 24
Tuition Fees (Domestic Students): $75.00 per credit point
Course Coordinator: Professor D.E. Fisher (Acting)

Entry Requirements
Any of the following persons shall be eligible to apply for admission as a student for the Graduate Certificate in Law:
(i) A person who has completed the requirements for the degree of Bachelor of Laws of the Queensland University of Technology;
(ii) A person who has completed the requirements for the award of a degree in law of another tertiary institution which, in the opinion of the Director of Research and Postgraduate Studies, maintains standards comparable with those required for the award of the degree of Bachelor of Laws of the Queensland University of Technology;
(iii) A person who has a professional qualification in law and at least three years of professional legal experience subsequent to that person’s first admission to practice and who satisfies the Director of Research and Postgraduate Studies that that person has the requisite ability to complete the Graduate Certificate in Law.
Where a person applies for admission pursuant to rule (iii) the Director of Research and Postgraduate Studies may take into account, inter alia, any of the following matters: the applicant’s contributions to the study and teaching of law, legal publications, contribution to the legal profession and legal professional experience.

In relation to the Graduate Certificate in Law (Taxation), a person who has a professional qualification in accountancy which, in the opinion of the Director of Research and Postgraduate Studies equips the candidate for postgraduate study in this field, may apply to undertake this major.

**Articulation**
This course articulates with the Master of Laws (by Coursework).

**Course Structure**
Graduate certificates normally consist of four units of 12 credit points each. A different combination of units is specified for each certificate major.

Students undertake units equal to 24 credit points per semester from those listed for any one major in any given year. (Whole year units are counted as 12 credit points per semester.) Some units will be offered in more than one major.

**Course Majors**
A range of majors are available, including: International Law, Environment, Commercial Transactions, Planning and Resources, Litigation, Property, and Taxation.

It is intended that those units marked with a ‘+’ will be offered in 1997 (subject to demand and availability of staff).

### Credit Points

#### INTERNATIONAL LAW

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>LWN025</td>
<td>Research Project 1A</td>
<td>12</td>
</tr>
<tr>
<td>LWN049</td>
<td>International Environmental Law+</td>
<td>12</td>
</tr>
<tr>
<td>LWN075</td>
<td>International Commercial Transactions+</td>
<td>12</td>
</tr>
<tr>
<td>LWN076</td>
<td>International Commercial Disputes+</td>
<td>12</td>
</tr>
<tr>
<td>LWN084</td>
<td>International Marine Pollution Law+</td>
<td>12</td>
</tr>
<tr>
<td>LWN085</td>
<td>International Law of the Sea+</td>
<td>12</td>
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</table>

These units may be taken in any order.

#### ENVIRONMENT

<table>
<thead>
<tr>
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</tr>
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<tbody>
<tr>
<td>LWN025</td>
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<tr>
<td>LWN049</td>
<td>International Environmental Law+</td>
<td>12</td>
</tr>
<tr>
<td>LWN060</td>
<td>Environmental Legal System+</td>
<td>12</td>
</tr>
<tr>
<td>LWN061</td>
<td>Natural Resources Law+</td>
<td>12</td>
</tr>
<tr>
<td>LWN062</td>
<td>Federal Environmental Law</td>
<td>12</td>
</tr>
<tr>
<td>LWN063</td>
<td>Comparative Environmental Law+</td>
<td>12</td>
</tr>
<tr>
<td>LWN084</td>
<td>International Marine Pollution Law+</td>
<td>12</td>
</tr>
</tbody>
</table>

These units may be taken in any order. However, it is recommended that LWN061 Natural Resources Law be taken first.

#### COMMERCIAL TRANSACTIONS

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
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</thead>
<tbody>
<tr>
<td>LWN008</td>
<td>Commercial Leases +</td>
<td>24</td>
</tr>
<tr>
<td>LWN025</td>
<td>Research Project 1A</td>
<td>12</td>
</tr>
<tr>
<td>LWN043</td>
<td>Law of Company Takeovers+</td>
<td>12</td>
</tr>
<tr>
<td>LWN050</td>
<td>Restrictive Trade Practices+</td>
<td>12</td>
</tr>
<tr>
<td>LWN051</td>
<td>Consumer Protection &amp; Product Liability+</td>
<td>12</td>
</tr>
<tr>
<td>LWN054</td>
<td>Contemporary Commercial Legal Issues+</td>
<td>12</td>
</tr>
<tr>
<td>LWN066</td>
<td>Advanced Insurance Law+</td>
<td>24</td>
</tr>
<tr>
<td>LWN075</td>
<td>International Commercial Transactions+</td>
<td>12</td>
</tr>
<tr>
<td>LWN076</td>
<td>International Commercial Disputes+</td>
<td>12</td>
</tr>
<tr>
<td>LWN079</td>
<td>Joint Ventures+</td>
<td>12</td>
</tr>
</tbody>
</table>

These units may be taken in any order.

#### PLANNING AND RESOURCES

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>LWN025</td>
<td>Research Project 1A</td>
<td>12</td>
</tr>
</tbody>
</table>
LWN046  Advanced Planning Law+  12
LWN060  Environmental Legal System+  12
LWN061  Natural Resources Law+  12
LWN065  Construction & Engineering Law  12
LWN079  Joint Ventures+  12

These units may be taken in any order. However, it is recommended that LWN061 Natural Resources Law be taken first.

**LITIGATION**
LWN025  Research Project 1A+  12
LWN030  Dispute Resolution/Mediation+  12
LWN052  Litigation – Civil Procedure+  12
LWN077  Litigation – Evidence  12
LWN078  Advanced Criminal Evidence & Procedure+  12
LWN082  Intellectual Property: Litigation  12

These units may be taken in any order.

**PROPERTY**
LWN008  Commercial Leases+  24
LWN018  Select Problems of Trusts+  12
LWN025  Research Project 1A+  12
LWN028  Advanced Securities  12
LWN036  Select Issues of Intellectual Property Law  12
LWN043  Law of Company Takeovers+  12
LWN061  Natural Resources Law+  12
LWN083  Estate Planning  12

These units may be taken in any order.

**TAXATION**
LWN025  Research Project 1A+  12
LWN083  Estate Planning  12
LWN090  Corporate Taxation+  12
LWN091  Taxation of Non-Corporate Entities+  12

Students may undertake approved units from the University of Sydney for credit towards the Graduate Certificate in Law (Taxation). These units may be taken in any order.

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## Graduate Diploma in Legal and Justice Studies (JS41)

In the fields of: Law Enforcement, Intelligence & Security, Corrections and the Community and Legal & Justice Policy.

**Location:** Kelvin Grove campus

**Course Duration:** 1 year full-time, 2 years part-time

**Total Credit Points:** 96

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Dr Gayre Christie

### Entry Requirements

To be eligible to apply for admission an applicant should:

(i) hold an appropriate undergraduate degree from a recognised tertiary institution; or

(ii) have extensive professional experience as deemed appropriate by the Course Coordinator. Such applicants should provide documentary evidence of experience together with the standard application form. Those applicants may be interviewed prior to an offer being made.

### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>JSP001  Law &amp; Government 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSP002  Principles of Criminal Law 1</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

1 *Subject to University approval.*
plus: Professional Minor Unit 1* 12 3
plus: Professional Minor Unit 2* 12 3

**Year 1, Semester 2**
JSP003 Law & Government 2 12 3  
JSP004 Principles of Criminal Law 2 12 3
plus: Professional Minor Unit 3* 12 3
plus: Professional Minor Unit 4* 12 3

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### Part-Time Course Structure

**Year 1, Semester 1**
JSP001 Law & Government 1 12 3  
JSP002 Principles of Criminal Law 1 12 3

**Year 1, Semester 2**
JSP003 Law & Government 2 12 3  
JSP004 Principles of Criminal Law 2 12 3

**Year 2, Semester 1**
Professional Minor Unit 1* 12 3
plus: Professional Minor Unit 2* 12 3

**Year 2, Semester 2**
Professional Minor Unit 3* 12 3
plus: Professional Minor Unit 4* 12 3

* Select **Professional Minor** (48 credit points) from ONE of the following areas:

#### Law Enforcement
JSP051 Introduction to Criminal Law & Evidence 12 3  
JSP052 Police Procedure & Practice 12 3  
JSP053 Organised Crime 12 3  
JSP054 Issues in Policing 12 3

#### Intelligence and Security
JSP061 Process Theory & Application 12 3  
JSP062 Protective Security – Theory & Application 12 3  
JSP063 Intelligence Research – Issues, Procedures & Practice 12 3  
JSP064 Protective Security – Issues & Practice 12 3

#### Corrections and the Community
JSP071 Corrections & the Community 1 12 3  
JSP072 Corrections & the Community 2 12 3  
JSP073 Corrections & the Community 3 12 3  
JSP074 Corrections and the Community 4 12 3

#### Legal and Justice Policy
JSP081 Law & Public Policy 12 3  
JSP082 Legal Rights & Responsibilities 12 3  
JSP083 Administrative Law & Justice 12 3  
JSP084 Justice & Human Rights 12 3

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### Graduate Diploma in Legal Practice (LP41)

**Location:** Gardens Point campus  

**Course Duration:** 1 year full-time only  
**Total Credit Points:** 96  
**Standard Credit Points/Full-Time Semester:** 48  
**Course Coordinator:** Associate Professor John de Groot

### Entry Requirements

1. **Eligibility for Normal Entry**
   1.1 To be eligible for a place in the Graduate Diploma in Legal Practice applicants must hold, or be entitled to, an approved degree in law by the date the course commences.
2. Approved Degree in Law
2.1 An approved degree in law is a degree in which an applicant passed all the units required for admission as a solicitor of the Supreme Court of Queensland, whether as part of the degree or through additional study.

2.2 If an applicant has a degree from a university not in Queensland, the applicant must submit evidence that the applicant has passed as part of their degree of through additional study all the units required for admission as a solicitor in Queensland. (Applicants should submit a copy of their Bachelor of Laws academic record together with relevant unit outlines/synopses.)

3. Special Entry Where Applicants do not Hold an Approved Degree
3.1 Applicants who are not eligible for normal entry may apply for special entry. An application for special entry must be accompanied by a written statement setting out reasons for applying for special entry.

3.2 Applications for special entry will not be considered unless there are places available in the course after places have been allocated to applicants who are eligible for normal entry.

4. Application
4.1 Applications will be considered only after the applicants comply with the University’s requirements for admission to postgraduate courses.

5. Allocation of Places
5.1 If there are more applicants than quota places by the date applications for places in the course are due (the due date), places will be allocated:

(a) as to no less than 80 per cent of places, based on the relative preparedness of applicants for the course determined by reference to the units listed in 5.2 below completed before the course commences

(b) as to up to 20 per cent of quota places, as determined by the Director of Legal Practice having regard to:

   (i) the Faculty’s Equity Policy

   (ii) academic merit (usually first class or 2A honours at QUT or equivalent) or graduated or expect to graduate within the top 5 per cent of the applicant’s graduating class

   (iii) whether completion of the course is required by the applicant’s employer, or

   (iv) extraordinary circumstances.

5.2 The units on which preparedness for the course is determined are those prescribed for admission in Queensland together with those determined from time to time by the Academic Board, which for 1997 are listed below. Units studied as discrete units will receive preference over those studies studied as part of a unit incorporating other units.

- Family Law
- Succession
- Theories of Law/Jurisprudence
- Research & Legal Reasoning/Legal Research & Writing 1
- Advanced Research & Legal Reasoning/Legal Research & Writing II

5.3 To be considered for a place under rule 5.1(b), an applicant must be eligible for normal entry, complete the requirements in rule 4 above, and make a written submission to the Director of Legal Practice by the due date.

If the application relies on the Faculty’s Equity Policy, the submission must state the provisions of the Equity Policy under which the application is being made as well as all other matters which the applicant would like taken into consideration.

Submissions based on other grounds should also state all the matters which the applicant would like taken into consideration. Any relevant supporting documentation, such as letters from employers, medical certificates, etc. must be attached.

<table>
<thead>
<tr>
<th>Course Structure</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
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<tr>
<td>LPP001/1 Legal Practice</td>
<td>48</td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
</tr>
<tr>
<td>LPP001/2 Legal Practice</td>
<td>48</td>
</tr>
</tbody>
</table>
Content
Seven core areas are addressed and, within these areas, 22 topics are covered. The core areas and topics are:

PROPERTY
Conveyancing Practice
Lease Practice
Town Planning & Environment

FAMILY
Family Law Practice
Legal Aid

BANKING & FINANCE
Securities
Creditors’ Remedies

ADMINISTRATION OF
ESTATES & WILLS
Administration of Estates
Wills

COMMERCIAL
Commercial Transactions
Company Practice
Insurance Law
Trade Practices

LEGAL PROFESSIONALISM & SKILLS
Advocacy
Legal Drafting
Legal Interviewing & Communication
Legal Profession & Professional Conduct
Management Skills
Negotiation & Dispute Resolution

LITIGATION
Civil Litigation
Criminal Law Practice
Industrial Law

Attendance
(i) Subject to (ii) below, a student must, throughout the 32 weeks of the course, attend at the University or wherever the course is being conducted at any given time from 9.00 am to 5.00 pm and at such other times as may be specified on each weekday which is not a public holiday in Queensland and which does not fall within a course recess, and must participate in all the appropriate course activities. Normally attendance is not required on Wednesdays unless otherwise advised. Students have the option of working at home on this day.

(ii) A student who is absent from the course for more than an aggregate of seven days will be refused a Certificate of Satisfactory Completion of the course unless he or she shows cause to the Director of Legal Practice why such a Certificate should be granted. Such cause might be the circumstance that the student has completed in their own time to the satisfaction of the senior full-time instructor of the Legal Practice course all work missed during the period/s of absence.

Assessment
Throughout the course there will be continuous assessment of the performance of each student. This will be based on attendance, conduct, application and, most of all, proficiency.

A student whose performance is deemed to be unsatisfactory as regards any area of practice or any part of such an area must repeat such part of the course as he or she is directed to repeat.

Other Requirements
The Director of Legal Practice may require students to comply with such other regulations relating to the Legal Practice course as may be notified from time to time.

Certificate of Satisfactory Completion, Graduate Diploma in Legal Practice
Subject to the rules set out above, each student who satisfactorily participates in and completes each part of the course and who complies with all the requirements relating to the course will receive a Certificate of Satisfactory Completion of the Legal Practice Course and will be awarded a Graduate Diploma in Legal Practice.

Bar Practice Course
Warden: K. Maxwell, LLB QIT, GradDipLegalPrac QIT, LLM QUT

The Bar Practice Course is offered by the Bar Practice section of the Legal Practice unit located at the Gardens Point campus. The course was first offered in 1983 and is a joint venture between the Bar Association of Queensland and QUT within the administrative structure of the Faculty of Law. It is subject to a
Management Committee consisting of three members appointed by the Bar Association, three members appointed by the University, and a Chief Executive Officer, designated Warden, who is a member of the academic staff of the Faculty of Law.

The objectives of the Bar Practice Course are:

(i) to develop and enhance the practice skills of candidates for admission to the Bar of the Supreme Court of Queensland, and

(ii) to concern itself with training and standards directed towards the achievement of the highest possible levels of competence and professional integrity in the members of the Bar of the Supreme Court of Queensland.

All sessions are practical and are substantially conducted by members of the judiciary, the magistracy and the senior Bar, and are directed towards practice and applications. Knowledge of substantive law units is presumed.

The course has a four-week full-time component, and an intensive advocacy weekend workshop, presented to students (readers) who have qualified in Law from universities or the Bar Board, and who wish to practise as Barristers.

**Bachelor of Business – Accounting (USQ)/Bachelor of Laws (LX33)**

**Course Discontinued:** This course is being phased out. There will be no further intakes.

**Location:** Gardens Point campus (Law component)

**Course Duration:** 5 years full-time

**Standard Credit Points/Full-Time Semester:** 33.6 (Law component)

**Professional Recognition**

For information on the academic requirements of the Solicitors’ or Barristers’ Board of Queensland please refer to the section on Professional Recognition in the Bachelor of Laws course entry.

**Course Structure (Continuing students only)**

<table>
<thead>
<tr>
<th>Year 3, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>LWB231 Introduction to Public Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB232/1 Criminal Law &amp; Procedure</td>
<td>12</td>
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<table>
<thead>
<tr>
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<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>LWB232/2 Criminal Law &amp; Procedure</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB235 Australian Federal Constitutional Law</td>
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<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>LWB233/1 Property 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB234/1 Equity &amp; Trusts</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LWB331 Administrative Law</td>
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<td>3</td>
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<td>LWB332 Property 2</td>
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<tr>
<td>LWB234/2 Equity &amp; Trusts</td>
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<td>3</td>
</tr>
<tr>
<td>LWB333 Theories of Law</td>
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<td>3</td>
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<tr>
<td>LWB334 Corporate Law</td>
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<tr>
<th>Year 5, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>LWB431 Civil Procedure</td>
<td>12</td>
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<tr>
<td>LWB432 Evidence</td>
<td>12</td>
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Elective Units

5 This course structure represents only the law degree component of the course.

6 A student is required to complete 48 credit points of elective units. A student may undertake, as electives, units or courses offered by other Faculties but limitations are imposed on the number of introductory units or courses which may be undertaken. Before undertaking such units or courses, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the units or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
Year 5, Semester 2
LWB433 Professional Responsibility 12 3
LWB434 Advanced Research & Legal Reasoning 12 3
Elective Units5, 6

Elective Units
For availability of Law elective units, refer to the relevant section in the Bachelor of Laws course entry. The offering of elective units in any semester will be dependent upon sufficient minimum enrolments in the unit and the availability of staff. The selection of all elective units is subject to the approval of the Associate Dean of the Faculty of Law.

Bachelor of Laws (LW33)
Location: Gardens Point campus
Course Duration: 4 years full-time, 6 years part-time
Total Credit Points: 384
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Professor Malcolm Cope

Full-Time Course Structure (LW33) Credit Points Contact Hrs/Wk
Year 1, Semester 1
LWB130 Introduction to Study in Law (2 weeks)
LWB131/1 Law in Context 12 3
LWB132/1 Contracts 12 3
LWB133/1 Torts 12 4
LWB134 Research & Legal Reasoning 12 3
Year 1, Semester 2
LWB131/2 Law in Context 12 3
LWB132/2 Contracts 12 3
LWB133/2 Torts 12 4
LWB135 Legislation 12 3
Year 2, Semester 1
LWB231 Introduction to Public Law 12 3
LWB232/1 Criminal Law & Procedure 12 3
LWB233/1 Property 1 12 3
LWB234/1 Equity & Trusts 12 3
Year 2, Semester 2
LWB232/2 Criminal Law & Procedure 12 3
LWB233/2 Property 1 12 3
LWB234/2 Equity & Trusts 12 3
LWB235 Australian Federal Constitutional Law 12 3
Year 3, Semester 1
LWB331 Administrative Law 12 3
LWB332 Property 2 12 3
Elective Units7

5 This course structure represents only the law degree component of the course.
6 A student is required to complete 48 credit points of elective units. A student may undertake, as electives, units or courses offered by other Faculties but limitations are imposed on the number of introductory units or courses which may be undertaken. Before undertaking such units or courses, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the units or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
7 A student is required to complete 96 credit points of elective units. A student may undertake, as electives, units offered by other Faculties but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the units or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
### Professional Recognition for Admission to Practice

The LW33 Bachelor of Laws will enable students to meet the academic requirements for admission to practice as a Solicitor or Barrister in Queensland.

### Part-Time Internal and External Course Structure – LW33

#### Year 1, Semester 1
- **LWB130** Introduction to Study in Law (2 weeks)
- **LWB131/1** Law in Context 12 3
- **LWB134** Research & Legal Reasoning 12 3

#### Year 1, Semester 2
- **LWB131/2** Law in Context 12 3
- **LWB135** Legislation 12 3

#### Year 2, Semester 1
- **LWB132/1** Contracts 12 3
- **LWB133/1** Torts 12 4

#### Year 2, Semester 2
- **LWB132/2** Contracts 12 3
- **LWB133/2** Torts 12 4

#### Year 3, Semester 1
- **LWB231** Introduction to Public Law 12 3
- **LWB233/1** Property 1 12 3
- **LWB234/1** Equity & Trusts 12 3

#### Year 3, Semester 2
- **LWB233/2** Property 1 12 3
- **LWB234/2** Equity & Trusts 12 3
- **LWB235** Australian Federal Constitutional Law 12 3

#### Year 4, Semester 1
- **LWB232/1** Criminal Law & Procedure 12 3
- **LWB331** Administrative Law 12 3
  - Elective Units 7

#### Year 4, Semester 2
- **LWB232/2** Criminal Law & Procedure 12 3
- **LWB333** Theories of Law 12 3
  - Elective Units 7

#### Year 5, Semester 1
- **LWB332** Property 2 12 3
  - Elective Units 7
  - 24

#### Year 5, Semester 2
- **LWB334** Corporate Law 12 3
  - Elective Units 7
  - 24

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7 A student is required to complete 96 credit points of elective units. A student may undertake, as electives, units offered by other Faculties but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the units or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
Year 6, Semester 1
LWB431 Civil Procedure 12 3
LWB432 Evidence 12 3
Elective Units7 12

Year 6, Semester 2
LWB433 Professional Responsibility 12 3
LWB434 Advanced Research & Legal Reasoning 12 3
Elective Units7 12

Special Accelerated Full-Time Course Structure for Graduates (LW33)
A graduate of any degree course approved by the Associate Dean of the Faculty of Law is eligible to complete the Bachelor of Laws course in three years (six semesters) of full-time study.

Graduate students are eligible to apply for an exemption of 48 credit points of elective units.

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<td>LWB133/1 Torts 12 4</td>
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<tr>
<td></td>
<td>LWB134 Research &amp; Legal Reasoning 12 3</td>
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<table>
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<tr>
<td>LWB131/2 Law in Context 12 3</td>
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<td>LWB132/2 Contracts 12 3</td>
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<tr>
<td>LWB232/1 Criminal Law &amp; Procedure 12 3</td>
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<tr>
<td>LWB233/1 Property 1 12 3</td>
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<td>LWB332 Property 2 12 3</td>
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<th>Year 2, Semester 2</th>
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<td>LWB233/2 Property 1 12 3</td>
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<tr>
<td>LWB234/2 Equity &amp; Trusts 12 3</td>
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<tr>
<td>LWB235 Australian Federal Constitutional Law 12 3</td>
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<td>LWB334 Corporate Law 12 3</td>
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<tbody>
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<td>LWB331 Administrative Law 12 3</td>
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<tr>
<td>LWB431 Civil Procedure 12 3</td>
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<tr>
<td>LWB432 Evidence 12 3</td>
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<td>Elective Units6 24</td>
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<table>
<thead>
<tr>
<th>Year 3, Semester 2</th>
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</thead>
<tbody>
<tr>
<td>LWB333 Theories of Law 12 3</td>
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<td>LWB433 Professional Responsibility 12 3</td>
</tr>
<tr>
<td>LWB434 Advanced Research &amp; Legal Reasoning 12 3</td>
</tr>
<tr>
<td>Elective Units6 24</td>
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</tbody>
</table>

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6 A student is required to complete 48 credit points of elective units. A student may undertake, as electives, units or courses offered by other Faculties but limitations are imposed on the number of introductory units or courses which may be undertaken. Before undertaking such units or courses, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the units or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.

7 A student is required to complete 96 credit points of elective units. A student may undertake, as electives, units offered by other Faculties but limitations are imposed on the number of introductory units which may be undertaken. Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the units or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
Special Accelerated Part-Time and External Course Structure for Graduates (LW33)

A graduate of any degree course approved by the Associate Dean of the Faculty of Law is eligible to complete the Bachelor of Laws course in five years (10 semesters) of part-time study.

Graduate students are eligible to apply for an exemption of 48 credit points of elective units.

Note: The accelerated nature of the graduate Course Structures results in a credit point loading equivalent to that of a full-time student. Consequently, enrolment in these programs will attract student guild fees and HECS liability calculated at full-time rates.

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
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<td>LWB130 Introduction to Study in Law</td>
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<td>3</td>
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<tr>
<td>LWB131/1 Law in Context</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB134 Research &amp; Legal Reasoning</td>
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<td>LWB131/2 Law in Context</td>
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<td>LWB135 Legislation</td>
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<tr>
<td>LWB232/1 Criminal Law &amp; Procedure</td>
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<td>4</td>
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<tr>
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<tr>
<td>LWB231 Introduction to Public Law</td>
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<td>3</td>
</tr>
<tr>
<td>LWB233/1 Property 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB234/1 Equity &amp; Trusts</td>
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<th>Contact Hrs/Wk</th>
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<td>LWB234/2 Equity &amp; Trusts</td>
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<td>LWB332 Property 2</td>
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<th>Contact Hrs/Wk</th>
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<td>LWB434 Advanced Research &amp; Legal Reasoning</td>
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<td>Elective Units6</td>
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**Law Elective Units**

Elective units of 8 credit points with two hours of contact/work per week or 12 credit points with three hours of contact/work per week.

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<th>Credits</th>
<th>Contact/Hours</th>
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<td>Family Law</td>
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<td>3</td>
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<tr>
<td>LWB306</td>
<td>Local Government &amp; Planning Law</td>
<td>8</td>
<td>2</td>
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<tr>
<td>LWB307</td>
<td>Insolvency Law</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LWB308</td>
<td>Industrial Law</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>LWB309</td>
<td>Succession</td>
<td>8</td>
<td>2</td>
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<tr>
<td>LWB312</td>
<td>Land Contracts</td>
<td>12</td>
<td>3</td>
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<td>LWB313</td>
<td>Discrimination/Equal Opportunity Law</td>
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<td>LWB351</td>
<td>Aboriginal &amp; Islander Legal Issues</td>
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<td>LWB353</td>
<td>Select Issues in Law &amp; Government</td>
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<td>Advanced Civil Procedure</td>
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<td>LWB356</td>
<td>Advocacy</td>
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<td>Advanced Taxation Law</td>
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<td>LWB361</td>
<td>Drafting</td>
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<td>Insurance Law</td>
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<td>LWB364</td>
<td>Introduction to Taxation Law</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>LWB366</td>
<td>Law of Commercial Entities</td>
<td>8</td>
<td>2</td>
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<tr>
<td>LWB367</td>
<td>Law of Corporate Governance</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LWB406</td>
<td>Fundamentals of Public International Law</td>
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<td>2</td>
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<tr>
<td>LWB407</td>
<td>Private International Law</td>
<td>12</td>
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<tr>
<td>LWB410</td>
<td>Restrictive Trade Practices</td>
<td>8</td>
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<tr>
<td>LWB412</td>
<td>Research &amp; Writing Project&lt;sup&gt;8&lt;/sup&gt;</td>
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<tr>
<td>LWB451</td>
<td>Alternative Dispute Resolution</td>
<td>8</td>
<td>2</td>
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<tr>
<td>LWB452</td>
<td>Asian Legal Systems</td>
<td>8</td>
<td>2</td>
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<tr>
<td>LWB454</td>
<td>Banking &amp; Finance Law</td>
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<tr>
<td>LWB455</td>
<td>Legal Clinic (Individual Planned Exercise)</td>
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<tr>
<td>LWB456</td>
<td>Legal Clinic (Organised Program)</td>
<td>12</td>
<td>8</td>
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<tr>
<td>LWB458</td>
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<td>Private Law Remedies</td>
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<tr>
<td>LWB482</td>
<td>Computers &amp; the Law</td>
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<td>LWB483</td>
<td>Medico-Legal Issues</td>
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<tr>
<td>LWB485</td>
<td>Environmental Law</td>
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<td>LWB486</td>
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<td>LWB487</td>
<td>Maritime Law</td>
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<td>Securities</td>
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<td>LWB493</td>
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<td>LWB494</td>
<td>Principles of Sentencing</td>
<td>8</td>
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**Note:** The Law elective unit offerings are accurate at time of publication. The offering of elective units in any semester is dependent upon sufficient minimum enrolments in the unit and availability of staff. Any amendments to unit offerings will be posted on Faculty noticeboards prior to the commencement of Semester 1, 1997.

The law elective units will be offered to internal students as follows:

**Semester 1**

<table>
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<th>Title</th>
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<tbody>
<tr>
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<tr>
<td>LWB312</td>
<td>Land Contracts</td>
</tr>
<tr>
<td>LWB361</td>
<td>Drafting</td>
</tr>
<tr>
<td>LWB363</td>
<td>Insurance Law</td>
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<tr>
<td>LWB364</td>
<td>Introduction to Taxation Law</td>
</tr>
<tr>
<td>LWB406</td>
<td>Fundamentals of Public International Law</td>
</tr>
<tr>
<td>LWB410</td>
<td>Restrictive Trade Practices</td>
</tr>
<tr>
<td>LWB451</td>
<td>Alternative Dispute Resolution</td>
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<tr>
<td>LWB454</td>
<td>Banking &amp; Finance Law</td>
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<tr>
<td>LWB482</td>
<td>Computers &amp; the Law</td>
</tr>
<tr>
<td>LWB485</td>
<td>Environmental Law</td>
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</tbody>
</table>

<sup>8</sup> The Research and Writing Project is a one-semester unit offered to a student whenever the Director (Research in Programs) is satisfied that sufficient academic staff with the requisite expertise are available within the Faculty to supervise and examine the Project. For further information, refer to the Unit Synopsis, or contact the Faculty.
Semester 2
LWB307 Insolvency Law
LWB308 Industrial Law
LWB309 Succession
LWB313 Discrimination/Equal Opportunity Law
LWB353 Select Issues in Law & Government
LWB354 Advanced Civil Procedure
LWB359 Advanced Taxation Law
LWB366 Law of Commercial Entities
LWB367 Law of Corporate Governance
LWB407 Private International Law
LWB452 Asian Legal Systems
LWB456 Legal Clinic (Organised Program)
LWB458 Consumer Protection
LWB461 Private Law Remedies
LWB483 Medico-Legal Issues
LWB486 Intellectual Property Law
LWB487 Maritime Law
LWB492 Securities
LWB493 Law and Customs of Parliament & Cabinet
LWB494 Principles of Sentencing

Law elective units will be offered to external students as follows:

Semester 1
LWB302 Family Law
LWB306 Local Government & Planning Law
LWB312 Land Contracts
LWB361 Drafting
LWB363 Insurance Law
LWB364 Introduction to Taxation Law
LWB406 Fundamentals of Public International Law
LWB410 Restrictive Trade Practices
LWB454 Banking & Finance Law
LWB485 Environmental Law

Semester 2
LWB307 Insolvency Law
LWB308 Industrial Law
LWB309 Succession
LWB313 Discrimination/Equal Opportunity Law
LWB353 Select Issues in Law & Government
LWB354 Advanced Civil Procedure
LWB359 Advanced Taxation Law
LWB366 Law of Commercial Entities
LWB407 Private International Law
LWB452 Asian Legal Studies
LWB458 Consumer Protection
LWB486 Intellectual Property Law
LWB487 Maritime Law
LWB492 Securities

The following one-semester Law unit is offered internally during the summer recess:

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>2</td>
</tr>
</tbody>
</table>

LWB315 Jessup International Law Moot

Non-Law Elective Units (for students enrolled in LW33)
Students may undertake up to 96 credit points of elective units offered by other Faculties. Students enrolled in a graduate Course Structure are limited to 48 credit points of non-law elective units. Limitations are imposed on the number of introductory units which may be undertaken.

Before undertaking such units, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the units or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
Bachelor of Arts (Justice Studies)/Bachelor of Laws (LW41)

Location: Kelvin Grove campus and Gardens Point campus

Course Duration: 5 years full-time

Total Credit Points: 552

Standard Credit Points/Full-Time Semester: 54

Course Coordinators:
Justice Studies: Associate Professor Simon Petrie
Law: Professor Malcolm Cope

Professional Recognition
For information on the academic requirements of the Solicitors’ or Barristers’ Board of Queensland please refer to the section on Professional Recognition in the Bachelor of Laws (LW33) entry.

Course Structure
In the first three years students study a combination of Justice Studies units and Law units. The final two years of the course are devoted to the study of Law units only.

<table>
<thead>
<tr>
<th>Full-Time Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
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<tr>
<td>JSB011 Social Issues for Justice Professionals 1</td>
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<td>JSB012 Communication for Justice Professionals</td>
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</tr>
<tr>
<td>JSB014 Introduction to Justice Studies</td>
<td>12</td>
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</tr>
<tr>
<td>LWB130 Introduction to Study in Law</td>
<td>12 (2 weeks)</td>
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<tr>
<td>LWB131/1 Law in Context</td>
<td>12</td>
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</tr>
<tr>
<td>LWB134 Research &amp; Legal Reasoning</td>
<td>12</td>
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<tr>
<td><strong>Year 1, Semester 2</strong></td>
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<tr>
<td>JSB015 Social Issues for Justice Professionals 2</td>
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<td>JSB016 Interpersonal Skills for Justice Professionals</td>
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<td>3</td>
</tr>
<tr>
<td>JSB018 Criminology 1</td>
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<tr>
<td>LWB131/2 Law in Context</td>
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<tr>
<td>LWB135 Legislation</td>
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<td><strong>Year 2, Semester 1</strong></td>
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<tr>
<td>JSB023 Human Dynamics &amp; the Criminal Justice Process 1</td>
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<td>JSB022 Principles of Criminal Law 1</td>
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<tr>
<td>LWB132/1 Contracts</td>
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<tr>
<td>JSB051 Introduction to Criminal Law &amp; Evidence</td>
<td>12</td>
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<tr>
<td>JSB061 Process Theory &amp; Application</td>
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</tr>
<tr>
<td>JSB071 Corrections &amp; the Community 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSB081 Law &amp; Public Policy</td>
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<td>3</td>
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<td><strong>Year 2, Semester 2</strong></td>
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<tr>
<td>JSB021 Criminology 2</td>
<td>12</td>
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<tr>
<td>JSB024 Principles of Criminal Law 2</td>
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<tr>
<td>LWB132/2 Contracts</td>
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<td>3</td>
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<td>Select one unit from the following:</td>
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<tr>
<td>JSB052 Police Procedure &amp; Practice</td>
<td>12</td>
<td>3</td>
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<tr>
<td>JSB062 Protective Security Theory &amp; Application</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSB072 Corrections &amp; the Community 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>JSB082 Legal Rights &amp; Responsibilities</td>
<td>12</td>
<td>3</td>
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<td><strong>Year 3, Semester 1</strong></td>
<td></td>
<td></td>
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<tr>
<td>JSB031 Investigation &amp; Evidence</td>
<td>12</td>
<td>3</td>
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<tr>
<td>JSB032 Alternative Justice Processes</td>
<td>12</td>
<td>3</td>
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<tr>
<td>LWB133/1 Torts</td>
<td>12</td>
<td>4</td>
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<tr>
<td>Select one unit from the following:</td>
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<tr>
<td>JSB053 Organised Crime</td>
<td>12</td>
<td>3</td>
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<tr>
<td>JSB063 Intelligence Research Issues, Procedures &amp; Practice</td>
<td>12</td>
<td>3</td>
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<td>JSB073 Corrections &amp; the Community 3</td>
<td>12</td>
<td>3</td>
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<tr>
<td>JSB083 Administrative Law &amp; Justice</td>
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</table>
Year 3, Semester 2
JSB033  Human Dynamics & the Criminal Justice Process 2 12 3
JSB034  Justice & Accountability 12 3
LWB133/2  Torts 12 4
Select one unit from the following:
JSB054  Issues in Policing 12 3
JSB064  Protective Security: Issues & Practice 12 3
JSB074  Corrections & the Community 12 3
JSB084  Justice & Human Rights 12 3

Year 4, Semester 1
LWB232/1  Criminal Law & Procedure 12 3
LWB231  Introduction to Public Law 12 3
LWB233/1  Property 1 12 3
LWB234/1  Equity & Trusts 12 3
LWB332  Property 2 12 3

Year 4, Semester 2
LWB232/2  Criminal Law & Procedure 12 3
LWB235  Australian Federal Constitutional Law 12 3
LWB233/2  Property 1 12 3
LWB234/2  Equity & Trusts 12 3
LWB334  Corporate Law 12 3

Year 5, Semester 1
LWB331  Administrative Law 12 3
LWB431  Civil Procedure 12 3
LWB432  Evidence 12 3
Elective Units6  24

Year 5, Semester 2
LWB333  Theories of Law 12 3
LWB433  Professional Responsibility 12 3
LWB434  Advanced Research & Legal Reasoning 12 3
Elective Units6  24

Bachelor of Arts (Justice Studies) (Honours) (JS40)

In the fields of: Law Enforcement, Intelligence & Security, Corrections and the Community and Legal & Justice Policy.

Location: Kelvin Grove campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Gayre Christie

Entry Requirements
To be eligible to apply for admission an applicant should:

(i) hold a Bachelor of Arts (Justice Studies) three-year degree or equivalent and should have attained a grade point average (GPA) of at least 5.00 on a seven-point scale, and have completed the Research Design and Methodology unit offered in the undergraduate program prior to entry to the Honours Year; or

(ii) have other qualifications, including work experience or involvement in research as deemed appropriate by the Course Coordinator.

A student is required to complete 48 credit points of elective units. A student may undertake, as electives, units or courses offered by other Faculties but limitations are imposed on the number of introductory units or courses which may be undertaken. Before undertaking such units or courses, a student must obtain the approval of the Faculty of Law and the Faculty or School responsible for the units or course. Approval by the Faculty of Law will require a student to demonstrate that the units selected form a coherent program.
Final date for applications for admission to the Honours program is 1 December of the year preceding that for which application is being made.

Course Requirements
Students must complete two prescribed units (24 credit points), two units in Professional Studies (24 credit points) and a thesis (48 credit points).

The Course Coordinator, in conjunction with thesis examiners and supervisors, will recommend to the Law Academic Board awards of:

- 1st Class Honours to students with a grade point average (GPA) of 6.50-7.00;
- 2nd Class Honours, Division A to students with a GPA of 5.50-6.49;
- 2nd Class Honours, Division B with a GPA of 4.50-5.49; and
- 3rd Class Honours to students with a GPA of 4.00-4.49.

<table>
<thead>
<tr>
<th>Full-Time Course Structure</th>
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<tr>
<td>JSB401 Applied Criminology</td>
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<td>JSB402 Professional Studies 1&lt;sup&gt;9&lt;/sup&gt;</td>
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<td>JSB403 Professional Studies 2&lt;sup&gt;9&lt;/sup&gt;</td>
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<td>JSB404 Thesis</td>
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<td><strong>Year 1, Semester 2</strong></td>
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<td>JSB405 Justice Organisations</td>
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<td>JSB406 Thesis</td>
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<td>JSB401 Applied Criminology</td>
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<tr>
<td>JSB402 Professional Studies 1&lt;sup&gt;9&lt;/sup&gt;</td>
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<td><strong>Year 1, Semester 2</strong></td>
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<td>JSB405 Justice Organisations</td>
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<td>JSB404 Thesis</td>
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<td><strong>Year 2, Semester 1</strong></td>
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<td>JSB403 Professional Studies 2&lt;sup&gt;9&lt;/sup&gt;</td>
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<td>JSB407 Thesis</td>
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<td><strong>Year 2, Semester 2</strong></td>
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<tr>
<td>JSB408 Thesis</td>
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■ Bachelor of Arts (Justice Studies) (JS31)

Location: Kelvin Grove campus

Course Duration: 3 years full-time, 6 years part-time, 6 years external

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Associate Professor Simon Petrie

Course Structure
The Course Structure comprises the following:

(i) Eight Justice Studies core units (96 credit points)

(ii) Justice Studies Major (96 credit points)

(iii) Professional Minor (48 credit points) and either four elective units (48 credit points) or second Professional Minor (48 credit points)

OR

Secondary Major (72 credit points) and two elective units (24 credit points).

<sup>9</sup> Professional Studies 1 and 2 will be drawn from units in JS31 in the following areas: Law Enforcement, Intelligence and Security, Corrections and the Community, Legal and Justice Policy.
### Full-Time Course Structure

#### Year 1, Semester 1
- JSB011 Social Issues for Justice Professionals 1
- JSB012 Communication for Justice Professionals
- JSB013 Law & Government 1
- JSB014 Introduction to Justice Studies

#### Year 1, Semester 2
- JSB015 Social Issues for Justice Professionals 2
- JSB016 Interpersonal Skills for Justice Professionals
- JSB017 Law & Government 2
- JSB018 Criminology 1

#### Year 2, Semester 1
- JSB022 Principles of Criminal Law 1
- JSB023 Human Dynamics & the Criminal Justice Process 1
- Select one of:
  - JSB051 Introduction to Criminal Law & Evidence
  - JSB061 Process Theory & Application
  - JSB071 Corrections & the Community 1
  - JSB081 Law & Public Policy
  - Elective

#### Year 2, Semester 2
- JSB021 Criminology 2
- JSB024 Principles of Criminal Law 2
- Select one of:
  - JSB052 Police Procedure & Practice
  - JSB062 Protective Security – Theory & Application
  - JSB072 Corrections & the Community 2
  - JSB082 Legal Rights & Responsibilities
  - Elective

#### Year 3, Semester 1
- JSB031 Investigation & Evidence
- JSB032 Alternative Justice Processes
- Select one of:
  - JSB053 Organised Crime
  - JSB063 Intelligence Research – Issues, Procedures & Practice
  - JSB073 Corrections & the Community 3
  - JSB083 Administrative Law & Justice
  - Elective

#### Year 3, Semester 2
- JSB033 Human Dynamics & the Criminal Justice Process 2
- JSB034 Justice & Accountability
- Select one of:
  - JSB054 Issues in Policing
  - JSB064 Protective Security – Issues & Practice
  - JSB074 Corrections & the Community 4
  - JSB084 Justice & Human Rights
  - Elective

### Part-Time Course Structure

#### Year 1, Semester 1
- JSB011 Social Issues for Justice Professionals 1
- JSB012 Communication for Justice Professionals

#### Year 1, Semester 2
- JSB015 Social Issues for Justice Professionals 2
- JSB016 Interpersonal Skills for Justice Professionals

#### Year 2, Semester 1
- JSB013 Law & Government 1
- JSB014 Introduction to Justice Studies
<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Units</th>
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<td>Year 2, Semester 2</td>
<td>JSB017</td>
<td>Law &amp; Government 2</td>
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<td>JSB018</td>
<td>Criminology 1</td>
<td>12</td>
<td>3</td>
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<td>Year 3, Semester 1</td>
<td>JSB022</td>
<td>Principles of Criminal Law 1</td>
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<td>JSB023</td>
<td>Human Dynamics &amp; the Criminal Justice Process 1</td>
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<td>Year 3, Semester 2</td>
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<td>Principles of Criminal Law 2</td>
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<td>Year 4, Semester 1</td>
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<td>Principles of Criminal Law 1</td>
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<td>Year 4, Semester 2</td>
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<td>Elective</td>
<td>JSB051</td>
<td>Introduction to Criminal Law &amp; Evidence</td>
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<td>JSB061</td>
<td>Process Theory &amp; Application</td>
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<td>JSB071</td>
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<td>JSB081</td>
<td>Law &amp; Public Policy</td>
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<td>Alternative Justice Processes</td>
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<td>JSB034</td>
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<td>Year 6, Semester 1</td>
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<td>JSB083</td>
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<td>JSB064</td>
<td>Protective Security – Issues &amp; Practice</td>
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<td>JSB074</td>
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<td>JSB084</td>
<td>Justice &amp; Human Rights</td>
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<td>Elective Units</td>
<td>JSB055</td>
<td>Interprofessional Cooperation</td>
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<td>Introduction to Disaster Management</td>
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<td>Hazard Analysis &amp; Risk Assessment for Disaster Management</td>
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<td>JSB065</td>
<td>Intelligence &amp; National Security</td>
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<td></td>
<td>JSB066</td>
<td>Management of Protective Security</td>
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<td>JSB067</td>
<td>Intelligence, Organisations, Personnel &amp; Operations</td>
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<td>JSB068</td>
<td>Protective Security in Automated Systems</td>
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<td>JSB085</td>
<td>Law &amp; Legal Institutions</td>
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<td>Research Design &amp; Methodology&lt;sup&gt;10&lt;/sup&gt;</td>
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<td>JSB092</td>
<td>Applied Justice Research</td>
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</table>

<sup>10</sup> Prerequisite for the Bachelor of Arts (Justice Studies) (Honours).
Electives offered subject to availability.
Electives can be taken from other units offered within Justice Studies or the University although limitations are imposed on the number of electives at introductory level which may be undertaken.

**External Course Structure**

**Year 1, Semester 1**
- JSB011 Social Issues for Justice Professionals 1 12
- JSB012 Communication for Justice Professionals 12

**Year 1, Semester 2**
- JSB015 Social Issues for Justice Professionals 2 12
- JSB016 Interpersonal Skills for Justice Professionals 12

**Year 2, Semester 1**
- JSB013 Law & Government 111 12
- JSB014 Introduction of Justice Studies11 12

**Year 2, Semester 2**
- JSB017 Law and Government 211 12
- JSB018 Criminology 111 12

**Year 3, Semester 1**
- JSB022 Principles of Criminal Law 1 12
- JSB023 Human Dynamics & the Criminal Justice Process 1 12

**Year 3, Semester 2**
- JSB021 Criminology 2 12
- JSB024 Principles of Criminal Law 2 12

**Year 4, Semester 1**
- JSB031 Investigation & Evidence 12
- JSB032 Alternative Justice Processes 12

**Year 4, Semester 2**
- JSB033 Human Dynamics & the Criminal Justice Process 2 12
- JSB034 Justice & Accountability 12

**Year 5, Semester 1**
- JSB051 Introduction to Criminal Law & Evidence 12

**Law Enforcement Minor:**
- JSB052 Police Procedure & Practice 12

**Intelligence and Security Minor:**
- JSB061 Process Theory & Application 12

**Year 5, Semester 2**
- JSB052 Police Procedure & Practice 12

**Law Enforcement Minor:**
- JSB053 Organised Crime 12

**Intelligence and Security Minor:**
- JSB062 Protective Security – Theory & Application 12

**Year 6, Semester 1**
- JSB054 Issues in Policing 12

**Law Enforcement Minor:**
- JSB063 Intelligence Research – Issues, Procedures & Practice 12

**Intelligence & Security Minor:**
- JSB064 Protective Security – Issues and Practice 12

**Year 6, Semester 2**

**Law Enforcement Minor:**
- JSB053 Organised Crime 12

**Intelligence and Security Minor:**
- JSB063 Intelligence Research – Issues, Procedures & Practice 12

**Pre-enrolment of Commencing Students**

Commencing students have been pre-enrolled in their units for the year. Any student not entering the first year of the course or who has been given credit for one or more of the listed units should strike out the

11 Units not available until 1998.
relevant units by ruling a bold line through the unit code and unit name, and then attach a page to their enrolment form listing the different unit to be studied in 1997.

**Bachelor of Arts (Justice Studies) (In-Service) (JS33)**

**Location:** Kelvin Grove campus  
**Course Duration:** 3 years full-time, 6 years part-time, 6 years external  
**Total Credit Points:** 288  
**Standard Credit Points/Full-Time Semester:** 48  
**Course Coordinator:** Associate Professor Simon Petrie

**Course Structure**  
The structure of the course is identical to that of years 3-6 of the Part-Time Course Structure of the Bachelor of Arts (Justice Studies) (JS31).
COURSES

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POLICIES

Policy on credit transfer relating to Bachelor-level courses in the Faculty of Science

FROM INCOMPLETE BACHELOR-LEVEL SCIENCE COURSES
Students transferring to a Bachelor degree course offered by the Faculty of Science at QUT from a comparable, partially completed course in a recognised institution may be granted credit towards the QUT award. In general, credit will be granted pro rata; for example, 96 credit points of credit normally will be granted for each year of full-time study (or its equivalent) successfully completed at the other institution. The maximum credit which may be granted is 192 credit points.

Each application for credit towards a Faculty of Science award will be considered individually, on its merits. Students who have successfully completed a year or more of full-time study (or its equivalent) at another institution nevertheless may be required to undertake specific first-level units at QUT. Also, to satisfy the relevant QUT degree rules, some students may have to gain credit totalling more than 288 credit points.

FROM COMPLETED ASSOCIATE DIPLOMA COURSES
Students entering a Bachelor degree course offered by the Faculty of Science at QUT following successful completion of a relevant Associate Diploma course from a recognised institution may be granted credit towards the QUT award. The maximum credit which may be granted is 96 credit points.

Unless the Dean determines otherwise, the credit will be granted as provisional credit. To have the credit confirmed, the student undertakes in the QUT course a program of study of at least 48 credit points and attains a grade point average of not less than 4.0. If, at the conclusion of such a course of study, the student’s grade point average is less than 4.0, the Dean shall determine both the extent to which credit granted conditionally may be retained and the student’s subsequent program of study in the course.

Policy on submission of project reports for assessment
The Science Academic Board has approved the following rules with regard to the completion of project units in all undergraduate and postgraduate courses (including Honours projects):

(i) A student enrolled in a project unit is required to submit the associated project report, dissertation or thesis for assessment by no later than the final day of the examination period for the semester in which the student’s enrolment in that unit will terminate.

(ii) In special circumstances and on the written recommendation of the student’s supervisor, the Dean may grant an extension of time to complete the work associated with the project. The final date for submission of the report after such an extension shall be the last day of the deferred examination period for the semester in which the student’s enrolment in that unit would terminate. In such cases, an ‘A’ result shall be given initially to the student in respect of this unit.

(iii) The Academic Board may grant a further extension of time to complete the work associated with a project, on condition that the student re-enrols in the project unit for the succeeding semester. Failure to re-enrol in the project unit by the last day of the deferred examination period for the semester in which, otherwise, the student’s enrolment in that unit would terminate will result in a grade of 2 or 1 being awarded in that unit.

Subsequent to the assessment process, the relevant School shall have discretion as to whether a candidate needs to re-enrol to effect any amendments required, or whether such amendments are essentially editorial. However, a student who is required to undertake further investigative work relating to his or her project must continue to be enrolled in the relevant project unit.

Students seeking extensions are advised that late submission of a project report for assessment as indicated in (ii) above may prevent publication of the associated result in time for the student to be included on the
graduation list for that semester. Thus course completion and graduate status from the relevant course may be delayed. This could disadvantage students seeking employment or promotion on the basis of the qualification in question.

**Policy and procedures concerning exemption from practical work**

Exemptions from practical work will not normally be granted by Schools in the Faculty. However, where a student wishes to be exempt on the grounds of some extenuating circumstances from the practical component of a unit attempted previously, they must write to the Head of School controlling the unit (or Dean of Faculty in the case of Faculty units), stating the following:

(i) the year in which the unit was previously attempted,
(ii) the total mark/grade obtained for the practical component for the semester, and the maximum possible mark/grade, where known, and
(iii) the circumstances on which the students are basing their application.

Any documentation relevant to these circumstances must be provided with the application.

Students, if required, must submit practical reports, notebooks, field notes, etc. from their previous attempt at the unit. No exemption will be given for practicals where the unit has been attempted more than two years prior to the current enrolment. Students seeking exemption from practical work must do so within two weeks of the commencement of the semester in which the unit is taken.

Heads of School will:

(i) consult with relevant Course/Strand Coordinators and unit lecturers with regard to the application,
(ii) respond to the application in writing, and
(iii) forward a copy of their response to the Course/Strand Coordinator and unit lecturer.

Heads of School will determine individual School policies on exemptions and these may be obtained from the School offices.

**COURSE STRUCTURES**

**Master of Applied Science (SC80)**

Location: Gardens Point campus

Course Duration: 2 years full-time, 4 years part-time

Total Credit Points: 192

Course Coordinator: Dr Al Grenfell

Entry Requirement

Bachelor of Applied Science or equivalent.

The objectives of this course are:

☐ to provide postgraduate educational opportunities in specialised fields of applied science by means of a program that involves either an original contribution to knowledge or an original application of existing knowledge

☐ to provide education in research methods

☐ to enable graduates employed in industry to undertake further education by a combination of coursework, research and thesis

☐ to expand the involvement of students employed in industrial organisations and external agencies in undertaking relatively short-duration applied research or investigation.

1. General Conditions

1.1 The Council of the Queensland University of Technology was established in 1989 under the *Queensland University of Technology Act* 1988.
1.2 The Council’s power to approve recommendations from Faculty academic boards regarding the registration, supervision and examination of research degree candidates and to develop policy and procedure relating to research degrees is exercised through a Research Management Committee which shall be a subcommittee of University Academic Board.

1.3 Research Management Committee has delegated responsibility for day-to-day administration of research Masters degree courses to Faculty academic boards. Academic boards shall report semiannually to the Research Management Committee on progress made by research Masters degree candidates.

1.4 Unless the context otherwise indicates or requires, the words ‘academic board’ and ‘faculty’ shall refer to the Faculty in which the candidate registers.

1.5 In order to qualify for the award of the degree of Master of Applied Science, a candidate must:

☐ have completed the approved course of study under the supervision prescribed by the Academic Board
☐ have submitted, and the Academic Board have accepted, a thesis prepared under the supervision of the supervisor
☐ have completed any other work prescribed by the Academic Board, and
☐ submit to the Academic Board a declaration signed by the candidate that he/she has not been a candidate for another tertiary award without permission of the Academic Board during the term of enrolment.

2. Registration

2.1 Applications shall be accepted subject to the availability of facilities and supervision.

2.2 Applications may be lodged with the Registrar at any time.

2.3 The minimum academic qualifications for admission to a program leading to a Master of Applied Science shall be:

☐ possession of a Bachelor degree in applied science from the Queensland University of Technology, or
☐ possession of an equivalent qualification, or
☐ submission of such other evidence of qualifications as will satisfy the Academic Board that the applicant possesses the capacity to pursue the course of study.

2.4 Additional requirements for admission to a particular program may be laid down by the Academic Board.

2.5 In considering an applicant for registration the Academic Board shall, in addition to assessing the applicant’s suitability, assess the proposed program and its relevance to the aims and objectives of the University.

2.6 A candidate may register either as a full-time or as a part-time student.

2.6.1 To be registered as a full-time student, a candidate must be able to commit to the course not less than three-quarters of a normal working week, averaged over each year of candidacy. Such a student may not devote more than 300 hours annually to teaching activities, including preparation and marking.

2.6.2 A candidate who is unable to devote to the course the proportion of time specified in Section 2.6.1 may register as a part-time student.

2.7 A candidate may be internal or external. An external candidate is one whose program of research and investigation is based at a place of employment or sponsoring institution. Normally, support of the sponsoring institution for the candidate’s application is required for a registration.

2.8 The Academic Board may cancel a candidate’s registration if, after consulting a candidate’s supervisors and having taken account of all relevant circumstances, the Academic Board is of the opinion that the candidate either has effectively discontinued his/her studies or has no reasonable expectation of completing the course of study within the maximum time allowed (see Section 4).

2.9 A candidate whose registration has lapsed or has been cancelled and who wishes subsequently to re-enter the course to undertake a program which is the same or essentially the same as the previous program may be re-admitted under such conditions as the Academic Board may prescribe.
3. Course of Study

3.1 A candidate for the degree of Master of Applied Science shall undertake a program of research and investigation on a topic approved by the Academic Board. All projects should be sponsored either by outside agencies such as industry, government authorities, or professional organisations, or by the University itself.

3.2 The program must be such as to enable the candidate to develop and demonstrate a level of scientific competence significantly higher than that expected of a first degree graduate. The required competence normally would include mastery of relevant techniques, investigatory skills, critical thinking, and a high level of knowledge in the specialist area.

3.3 The program includes both coursework and research. The coursework is a program of up to 64 credit points as defined in 3.5 and 3.6 as appropriate for each candidate. The research component is a program of supervised research and investigation of at least 128 credit points as described in 3.1 and 3.2.

3.4 The student’s progress will be monitored continually throughout the first 96 credit points of the course. Where the School Research Committee, on the advice of the supervisors, is of the opinion that progress is not satisfactory, the student will be advised to consider transferring his/her enrolment to the SC71 Graduate Diploma in Applied Science course.

3.5 Coursework at Masters level may be conducted in a number of ways such as:

- advanced lecture courses
- seminars in which faculty and students present critical studies of selected problems within the subject field
- independent study or reading courses

In all cases, coursework is based upon a formal syllabus setting out the educational outcomes expected from the course, a list of topics to be covered, the prescribed reading material and the method of assessment of progress through and at the end of the course.

3.6 A candidate shall be required to participate in and present seminars as considered appropriate by the Principal Supervisor. The candidate shall be notified of minimum attendance requirements at the time of acceptance of enrolments.

3.7 Students entering the course with an Honours degree or its equivalent or candidates with substantial relevant work experience normally gain exemptions to a maximum of 96 credit points at the discretion of the Academic Board on the recommendation of the Head of School.

3.8 Students entering the course with a Graduate Diploma may gain exemption to a maximum of 96 credit points at the discretion of the Academic Board on the recommendation of the Head of School.

3.9 An application for registration should set out the candidate’s intended course of study in broad outline but with specific objectives for the first year. The description should include the area of study within which the candidate’s course lies, the coursework to be undertaken and the proposed title of the thesis to be written. At an appropriate time during the first year of full-time study or its equivalent the candidate must document and have approved by the Academic Board on the recommendation of the Head of School a detailed course of study for the entire program. This description must include in addition to the proposed thesis title, the aim of the proposed program of research and investigation, its background, the significance and possible application of the research program, and the research plan.

4. Period of Time for Completion of Course of Study

4.1 A full-time candidate who does not hold an Honours degree appropriate to the course of study will normally be required to complete both course and research work, including submission of the thesis for examination during a period of registration of 24 months. The corresponding period in the case of a part-time candidate shall be 48 months. In special cases the Academic Board may approve a shorter period.

4.2 A holder of an Honours degree or its equivalent appropriate to the course of study may submit the thesis for examination after not less than 12 months of registration if a full-time student, or 24 months if a part-time student. In special cases the Academic Board may approve a shorter period.
4.3 Where application is made for permission to extend the period within which the candidate may submit a thesis for examination, details of the candidate’s progress shall be presented to the Academic Board together with the reasons for the delay in completing the work and the expected date of completion. Where the Academic Board agrees to an extension, it may set a limit to the maximum period of registration in the program.

5. Transfer of Registration

5.1 Where a candidate has undertaken part of a proposed course of study as a registered student in another institution, this period of registration may, on application in writing to the Academic Board at the time of application for registration, be counted towards the candidate’s period of registration in the QUT course. The application must include details of the work already undertaken, the reasons for the transfer and the expected date of completion.

5.2 Applications for transfer normally should be submitted at least 12 months in advance of the probable date of submission of the thesis.

6. Supervision

6.1 For each candidate the Academic Board shall appoint one or more supervisors with appropriate experience provided that, where more than one supervisor is appointed, one shall be nominated as the Principal Supervisor and the others as Associate Supervisors.

6.2 In the case of an internal student, the Principal Supervisor normally shall be from the academic staff of the school where the student carries out the work.

6.3 In the case of an external student, the Principal Supervisor normally shall be from the academic staff of the school supporting the work and at least one Associate Supervisor shall be from the sponsoring organisation.

6.4 At the end of each six-month period a student shall submit a report on the work undertaken to the Principal Supervisor and the Principal Supervisor shall submit a report to the Academic Board on the student’s work. This report shall be seen by the candidate before submission to the Academic Board.

7. Place and Conditions of Work

7.1 The research program is carried out under supervision in a suitable environment normally in Australia.

7.2 The Academic Board shall not admit a candidate to undertake a program of research based at the University unless it has received a statement from the Head of School in which the study is proposed that, in their opinion, the applicant is a fit person to undertake a research program leading to the Masters degree, that the program is supported, and that the School/Centre is willing to undertake the responsibility of supervising the applicant’s work.

7.3 The Academic Board shall not admit a candidate to undertake a research program based at a sponsoring establishment unless it has received:

- a statement from the employer or director of the sponsoring institution that the applicant will be provided with facilities to undertake the research project and that they are willing to accept responsibility for supervising the applicant’s work, and

- a statement from the Head of School or the Director of the Centre in which the study is proposed that, in their opinion, the applicant is a fit person to undertake a research program leading to the Masters degree, that the program is supported, and that after examination of the proposed external facilities and supervision, the school is willing to accept the responsibility of supervising the work.

8. Thesis

8.1 In the form of presentation, availability and copyright, the thesis shall comply with the provisions of the document Requirements for Presenting Theses.

8.2 The candidate’s application for registration should set out the intended course of study in broad outline but with specific objectives for the first year. The description should include the area of study within which the candidate’s course lies, the coursework to be undertaken and the proposed title of the thesis to be written.

At an appropriate time during the first year of full-time study or its equivalent the candidate must document and have approved by Academic Board on the recommendation of the relevant Head of School a detailed course of study for the entire program. This description must include in addition to the proposed thesis title, the aim of the proposed program of research and investigation, its background, the significance and possible application of the research program, and the research plan.
The candidate shall give two months’ notice of intention to submit the thesis. Such notice shall be accompanied by the appropriate fee, if any.

8.3 The thesis shall comply with the following requirements:

☐ A significant portion of the work described must have been carried out subsequent to initial registration for the degree.

☐ It must describe a program of work carried out by the candidate, and must involve either an original contribution to knowledge or an original application of existing knowledge.

☐ It must reach a satisfactory standard of literary presentation.

☐ It shall be the candidate’s own account of the work. Where work is carried out jointly with other persons, the Academic Board shall be advised of the extent of the candidate’s contribution to the joint work.

☐ The thesis shall not contain as its main content any work or material which the student has previously submitted for another degree or similar award.

☐ Supporting documents, such as published papers, may be submitted with the thesis if they have a bearing on the subject of the thesis.

☐ The thesis shall contain an abstract of not more than 300 words.

8.4 Except with the specific permission of the Academic Board, the thesis must be presented in the English language. Such permission must be sought at the time of application for registration, and will not be granted solely on the grounds that the candidate’s ability to satisfy the examiners will be affected adversely by the requirement to present the thesis in English.

8.5 Subject to QUT’s Intellectual Property policy, the copyright of the thesis is vested in the candidate.

8.6 Where a candidate or the sponsoring establishment wishes the thesis to remain confidential for a period of time after completion of the work, application for approval must be made to the Academic Board when the thesis is submitted. The period of confidentiality normally shall not exceed two years from the date on which the examiners recommend acceptance of the thesis, during which time the thesis will be held on restricted access in the QUT Library.

9. Examination of Thesis

9.1 The Academic Board shall appoint at least two examiners, of whom at least one shall be from outside the University. Normally examiners will be required to agree to read and report upon the thesis within two months of its receipt.

9.2 A candidate may be required to make an oral defence of the thesis.

9.3 On receipt of satisfactory reports from the examiners, and when the provisions of 7.1 have been fulfilled, the Academic Board shall recommend to University Academic Board that the candidate be awarded the degree.

9.4 If the examiners’ reports are conflicting, the Academic Board may, after appropriate consultation with the Principal Supervisor, seek advice from a further external examiner.

9.5 If, on the basis of the examiners’ reports, the Academic Board does not recommend that the degree be awarded, then it shall:

☐ permit the student to resubmit the thesis within one year for re-examination, or

☐ cancel the student’s registration.

If a candidate is required to revise and resubmit a thesis, the examiners’ reports will be made available to the candidate, the anonymity of the examiners being maintained.

9.6 After the examination process is complete, examiners’ reports are to be made available to the candidate on request. The names of examiners will be released on request providing the examiner has indicated willingness to have his/her identity revealed to the candidate.

Course Structure

☐ Coursework

The unit IFN001 Advanced Information Retrieval Skills (4 credit points) should normally be included.
The coursework units for individual strands are as follows. All the units shown on these two pages are units designed for this course.

### Chemistry Strand

<table>
<thead>
<tr>
<th>Unit</th>
<th>Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHN701</td>
<td>Topics in Advanced Chemistry 1</td>
<td>12</td>
</tr>
<tr>
<td>CHN801</td>
<td>Topics in Advanced Chemistry 2</td>
<td>12</td>
</tr>
<tr>
<td>CHN705</td>
<td>Research Methodology</td>
<td>12</td>
</tr>
</tbody>
</table>

Elective Units: Two of:

- CHN710 Chemical Instrumentation
- CHN720 Chemometrics
- CHN730 Advanced Physical Methods in Chemistry
- CHN740 Laboratory Techniques for Preparative Chemistry

### Geology Strand

Selections from the following and other programs, depending on background and research area:

- ESN110 Advanced Topics in Earth Science 1
- ESN130 Computer Applications in Earth Science
- ESN140 Research Methodology 1
- ESN160 Seminars
- ESN170 Literature Survey

### Life Science Strand

Students are normally expected to complete the following:

- LSN011 Research Seminars in Life Science 1
- LSN023 Research Seminars in Life Science 3
- LSN013 Readings in Life Science 3

Selections from other programs to a maximum of 18 credit points.

### Mathematics Strand

Selections from other School programs or:

- MAN001 Reading Course 1
- MAN002 Reading Course 2

To a maximum of 60 credit points.

### Physics Strand

- PHN715 Advanced Topics in Physics 1
- PHN716 Advanced Topics in Physics 2

Selections from other programs to 36 credit points.

### Research Work

At least 128 credit points of Masters research

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**Master of Applied Science (Medical Physics)**

**Master of Applied Science (Medical Ultrasound)**

**Master of Applied Science (Medical Imaging) (PH80)**

**Location:** Gardens Point campus

**Course Duration:** 1½ years full-time, 3 years part-time (plus Summer School, except for Medical Physics students)

**Total Credit Points:** 144

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Associate Professor Brian J Thomas

**Strand Coordinators:**
- **Medical Physics Major:** Dr Greg Michael
- **Medical Ultrasound Major:** Ms Margo Harkness
- **Medical Imaging Major:** Ms Margo Harkness

**Entry Requirements**

This program commences in February each year. Applications are to be made prior to 31 October in the preceding year.
Medical Physics Major
To be eligible to enrol for the Medical Physics Major, an applicant must have completed an acceptable tertiary course with a major in Physics.

Applicants with other qualifications (e.g. Engineering) may be enrolled subject to the approval of the Head of the School of Physics. In some instances, a bridging program may be necessary.

Medical Ultrasound and Medical Imaging Majors
To be eligible to enrol in the Medical Ultrasound or Medical Imaging Major, an applicant will normally be qualified as a diagnostic radiographer (or medical imaging technologist) at degree or diploma level for the Medical Ultrasound Major, or degree level for the Medical Imaging major, and have a minimum of two years’ experience in clinical practice.

Applicants with other qualifications (e.g. in paramedical or physical sciences), and appropriate experience, may be permitted to enrol subject to the approval of the Head of the School of Physics. In some instances, a bridging program may be necessary.

Applicants must also demonstrate, in writing, that access to suitable clinical experience will be available for the duration of the course.

Course Requirements
Medical Physics Major
To complete Stage 1, students must complete units from the list below, totalling 96 credit points. Units available to students in the Medical Physics Major are indicated by C and MP.

In Semester 2, students may select either PHN213 Biomechanics/Physiological Measurement or PHN214 Health and Occupational Physics for a total of 48 credit points (FT).

Medical Ultrasound Major
To complete Stage 1, students must complete units from the list below, totalling 96 credit points. Units available to students in the Medical Ultrasound Major are indicated by C, C+ and MU.

Medical Imaging Major
To complete Stage 1, students must complete units from the list below, totalling 96 credit points. Units available to students in the Medical Imaging Major are indicated by C, C+ and MI.

Student progress will be monitored continually throughout Stage 1 of the course. Where the Head of School, on the advice of Coordinators, is of the opinion that progress is not appropriate, the student will be advised to consider transferring his/her enrolment to the PH71 Graduate Diploma in Applied Science (Medical Physics/Medical Imaging/Medical Ultrasound).

Stage 1

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Semester</td>
<td></td>
</tr>
<tr>
<td>LSB142 Human Anatomy &amp; Physiology (MP) 12cp, 5chw</td>
<td>12</td>
</tr>
<tr>
<td>LSN159 Advanced Pathology (C+)</td>
<td>12</td>
</tr>
<tr>
<td>PHN112 Medical Imaging Science (MP)</td>
<td>12</td>
</tr>
<tr>
<td>PHN113 Radiation Physics (MP/MI)</td>
<td>12</td>
</tr>
<tr>
<td>PHN114 Microprocessors &amp; Instrumentation (MP)</td>
<td>12</td>
</tr>
<tr>
<td>PHN159 Ultrasonic Examinations 1 (MU)</td>
<td>12</td>
</tr>
<tr>
<td>PHN162 Principles of Medical Ultrasound (MU/MI)</td>
<td>12</td>
</tr>
<tr>
<td>PHN185 Principles of Medical Image Processing &amp; Computed Tomography (MI)</td>
<td>12</td>
</tr>
<tr>
<td>PHN187 Specialist Imaging Studies 1 (MI)</td>
<td>12</td>
</tr>
<tr>
<td>PHN197/1/2 Clinical Attachment 1 (C+)</td>
<td>12</td>
</tr>
<tr>
<td>Second Semester</td>
<td></td>
</tr>
<tr>
<td>PHN211 Medical Imaging (MP)</td>
<td>12</td>
</tr>
<tr>
<td>PHN212 Radiotherapy (MP)</td>
<td>12</td>
</tr>
<tr>
<td>PHN213 Biomechanics/Physiological Measurement (MP)</td>
<td>12</td>
</tr>
<tr>
<td>PHN214 Health &amp; Occupational Physics (MP)</td>
<td>12</td>
</tr>
<tr>
<td>PHN218 Research Methodology &amp; Professional Studies (C)</td>
<td>12</td>
</tr>
<tr>
<td>PHN287 Specialist Imaging Studies 2 (MI),</td>
<td>12</td>
</tr>
<tr>
<td>PHN281 Magnetic Resonance Imaging (MI)</td>
<td>12</td>
</tr>
<tr>
<td>PHN356 Ultrasonic Examinations 2 (MU)</td>
<td>12</td>
</tr>
</tbody>
</table>
The unit PHN218 Research Methodology and Professional Studies is compulsory for students in all majors. Units LSN159 Advanced Pathology, PHN197 Clinical Attachment 1 and PHN297 Clinical Attachment 2 are compulsory for students in the Medical Ultrasound and Medical Imaging Majors. Each clinical attachment unit (i.e. PHN197/1, PHN197/2 and PHN297) involves a minimum of 240 hours of clinical experience. Students must successfully complete these units in the order PHN197/1, PHN197/2 and PHN297 unless special permission is granted.

**Stage 2**

**Project Over One Semester**

PHN520  

**Project Over Two Semesters**

PHN540/1/2  

**Note:** A student may request an extension of time in which to submit the project report for assessment. A request for an extension of time up to a maximum of six months shall be made in writing through the Head of School to the Dean. Any request for a further extension, or any request for an extension to a date later than six months after the original due date, shall be made in writing to the Academic Board. The Academic Board may grant the extension under such conditions as it may consider appropriate, or may award the student a ‘Fail’ result in the project unit.

A student who has received a ‘Fail’ result in the project unit may re-enrol in the unit only in exceptional circumstances and with the express permission of the Academic Board.

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**Master of Applied Science (Life Science) (LS80)**

**Location:** Gardens Point campus

**Course Duration:** 1.5 years full-time, 3 years part-time

**Total Credit Points:** 144

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Dr David Allen

**Entry Requirements**

Applicants shall hold a Bachelor of Applied Science with a GPA of 5.0 (on a seven-point scale) or better in the appropriate discipline for which they are seeking admission.

Applicants may be required to attend an interview with the Head of School and/or Course Coordinator to establish suitability for entrance into the course.

Graduates of the Graduate Diploma in Biotechnology (LS70) with a GPA of 5.0 or better (on a seven-point scale) will be eligible for entry into the course with a credit for 96 credit points.

Applicants who do not hold the specific tertiary qualification required of normal entrants may be admitted upon successful completion of a qualifying program prescribed by the Head of School.

**Special Course Requirements**

Students should consult the Course Coordinator regarding their programs.

Students must select two disciplinary specialisation elective units.

For part-time students, the project (dissertation) is normally carried out in the employer’s laboratory. The employer’s written permission is required.

**Note:** This course commences in mid-year.

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Full-year subject, continues semester 2.
### Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1, Semester 2</strong></td>
<td></td>
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</tr>
<tr>
<td>LSB637</td>
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<tr>
<td>LSN102</td>
<td>Cellular Basis of Disease</td>
<td>12</td>
<td>3</td>
<td></td>
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<tr>
<td>LSN110</td>
<td>Molecular Basis of Disease</td>
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<tr>
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<td>LSN510</td>
<td>Clinical Biochemistry 1</td>
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<tr>
<td></td>
<td>LSN511</td>
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<tr>
<td></td>
<td>LSN512</td>
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<tr>
<td></td>
<td>LSN515</td>
<td>Microbiology 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LSN517</td>
<td>Immunology 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LSN518</td>
<td>Diagnostic Cytology 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td><strong>Year 2, Semester 1</strong></td>
<td>LSN150</td>
<td>Ethics &amp; Life Science</td>
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<td>3</td>
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<tr>
<td></td>
<td>LSP735</td>
<td>Human Molecular Biology</td>
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<tr>
<td></td>
<td>MGN409</td>
<td>Introduction to Management</td>
<td>12</td>
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<tr>
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<tr>
<td></td>
<td>LSN611</td>
<td>Haematology 2</td>
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<td></td>
<td>LSN612</td>
<td>Histopathology 2</td>
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<td></td>
<td>LSN615</td>
<td>Microbiology 2</td>
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<tr>
<td></td>
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<td>Diagnostic Cytology 2</td>
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<td><strong>Year 2, Semester 2</strong></td>
<td>LSN710</td>
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### Part-Time Course Structure

<table>
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<tr>
<th>Year, Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
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<td><strong>Year 1, Semester 2</strong></td>
<td></td>
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<tr>
<td>LSN102</td>
<td>Cellular Basis of Disease</td>
<td>12</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>LSN110</td>
<td>Molecular Basis of Disease</td>
<td>12</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Year 2, Semester 1</strong></td>
<td>LSN150</td>
<td>Ethics &amp; Life Science</td>
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<td>3</td>
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<tr>
<td></td>
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<tr>
<td><strong>Year 2, Semester 2</strong></td>
<td>LSB637</td>
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<tr>
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<td>LSN511</td>
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<td>3</td>
</tr>
<tr>
<td></td>
<td>LSN512</td>
<td>Histopathology 1</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LSN515</td>
<td>Microbiology 1</td>
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<td>3</td>
</tr>
<tr>
<td></td>
<td>LSN517</td>
<td>Immunology 1</td>
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<td>3</td>
</tr>
<tr>
<td></td>
<td>LSN518</td>
<td>Diagnostic Cytology 1</td>
<td>12</td>
<td>3</td>
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<td>12</td>
<td>3</td>
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<tr>
<td></td>
<td>LSN611</td>
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<td>3</td>
</tr>
<tr>
<td></td>
<td>LSN612</td>
<td>Histopathology 2</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
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</tr>
<tr>
<td></td>
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<td>3</td>
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<td><strong>Year 3, Semester 2</strong></td>
<td>LSN711</td>
<td>Project 1</td>
<td>24</td>
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<td><strong>Year 4, Semester 1</strong></td>
<td>LSN712</td>
<td>Project 2</td>
<td>24</td>
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</table>
Graduate Diploma in Applied Science (SC71)

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Average Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Al Grenfell

Entry Requirement
Bachelor of Applied Science or equivalent.

Course Structure
Candidates for the degree of Graduate Diploma in Applied Science shall undertake a program of coursework, or coursework and minor research project, as approved by the Academic Board on the advice of the Head of School.

Students must complete a total of 96 credit points which may consist of:

- at least 60 and up to a maximum of 96 credit points of coursework, and
- up to 36 credit points as a minor research project.

Coursework units will be selected from the specific units available within the SC80 MAppSc course and may contain units selected from other postgraduate courses or advanced undergraduate courses where the background of the student requires this.

Graduate Diploma in Applied Science (Medical Physics)
Graduate Diploma in Applied Science (Medical Ultrasound)
Graduate Diploma in Applied Science (Medical Imaging) (PH71)

For details see the section Course Requirements for Stage 1 of the Master of Applied Science (Medical Physics), Master of Applied Science (Medical Ultrasound) and Master of Applied Science (Medical Imaging) (PH80).

Entry directly to PH71 is available to applicants intending to complete the course requirements at Graduate Diploma level.

Graduate Diploma in Biotechnology (LS70)

Location: Gardens Point campus

Course Duration: 1 year full-time, 2 years part-time

Total Credit Points: 96

Standard Credit Points/Part-Time Semester: 24

Course Coordinator: Associate Professor Peter Timms

Entry Requirements

- Normal Entry
  To be eligible for entry to the Graduate Diploma in Biotechnology, an applicant must have completed an appropriate degree in a relevant science area. Some background in biochemistry is essential.

- Special Entry
  Applicants who do not hold the tertiary qualifications required for normal entry may be eligible for admission if they have completed a diploma or degree in another appropriate non-science area as determined by the Head of School, and are employed in the biotechnology area.

Note: This course commences in mid-year.
- **Bachelor of Applied Science (Honours) (SC60)**


- **Location:** Gardens Point campus
- **Course Duration:** 1 year full-time, 2 years part-time
- **Total Credit Points:** 96
- **Standard Credit Points/Full-Time Semester:** 48
- **Course Coordinator:** Dr Al Grenfell
Entry Requirements
To be eligible for admission, students should have completed QUT’s Bachelor of Applied Science (SC30, CH32, LS36, LS37 or MA34) or equivalent and should have attained a grade point average (GPA) of at least 5.0 over that degree, including grades of at least credit (5) in all units directly relevant to the proposed Honours program. Application for admission should normally be made at the end of the pass degree, or within 18 months of completing that degree.

Applicants who do not satisfy the above conditions but who have demonstrated outstanding performance in only the final year of a degree, or whose application is based on other factors including work experience or involvement in research, may be admitted at the discretion of the Dean.

Please note that for the Mathematics major, other degrees with major studies in Mathematics (including Statistics) may provide suitable entry to the program.

Course Structure (subject to final approval)
The honours program comprises 96 credit points. Full-time students undertake 48 credit points in each semester. The course structure depends on the major and may vary slightly from one student to another, depending on the program and particular units chosen.

The general course structure consists of a project and units or advanced topics chosen from the program of the selected major. Part-time candidates annually undertake approximately half of the full-time program. Classes are held at the same times as for full-time students and thus may involve some day release from employment.

<table>
<thead>
<tr>
<th>MAJORS</th>
<th>PROJECT</th>
<th>COURSEWORK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry; Geology; Life Science; Physics</td>
<td>60 credit points</td>
<td>36 credit points</td>
</tr>
<tr>
<td>Mathematics</td>
<td>36 credit points</td>
<td>60 credit points</td>
</tr>
</tbody>
</table>

Students should consult the Course Coordinator concerning the availability of units and selection of units for their major. Cross-institutional enrolment may be arranged in specific coursework units that are not offered by the Faculty of Science.

CHEMISTRY MAJOR

**Semester 1**
- CHB700/1 Research Project 12
- CHB700/2 Research Project 12
- CHB780/1 Advanced Topics in Chemistry 1 12 6
- CHB742 Elective Unit 12 4

**Semester 2**
- CHB700/3 Research Project 12
- CHB700/4 Research Project 12
- CHB700/5 Research Project 12
- CHB780/2 Advanced Topics in Chemistry 1 12 6

(Elective units are chosen from a selection of Chemistry and other relevant disciplines.)

GEOLOGY MAJOR

**Semester 1**
- ESB701/1 Project 12
- ESB703 Geology Reviews 12 5
- ESB704 Advanced Studies in Earth Science 24 8

**Semester 2**
- ESB702/1 Project 12
- ESB700/3 Project 12
- ESB700/4 Project 12
- ESB700/5 Project 12

LIFE SCIENCE MAJOR

**Semester 1**
- LSB722/1 Research Strategies 6
LSB723/1  Readings in Life Science 1 12
LSB825/1  Project 30

**Semester 2**
LSB722/2  Research Strategies 6
LSB723/2  Readings in Life Science 1 12
LSB825/2  Project 30

**MATHEMATICS MAJOR**

**Semester 1**
MAB989/1  Project 12
Three 12 credit points units selected from the list below 36

**Semester 2**
MAB989/2  Project 12
MAB989/3  Project 12
Two 12 credit points units selected from the list below 24

Students may take two elective units in Semester 1 and three in Semester 2 with the approval of the Course Coordinator. In this case, the project components MAB989/1 and MAB989/2 would be taken in Semester 1, and the project component MAB989/3 would be taken in Semester 2.

**Mathematics Elective Units**
Five units are to be selected over the two semesters (not all units may be available).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
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<tbody>
<tr>
<td>ITB548</td>
<td>Introduction to Cryptology</td>
<td>12</td>
<td>3</td>
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<tr>
<td>ITB549</td>
<td>Error Control &amp; Data Compression</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>ITN556</td>
<td>Advanced Topics in Cryptology</td>
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<tr>
<td>MAB906</td>
<td>Topics in Analysis</td>
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<tr>
<td>MAB912</td>
<td>Continuum Modelling</td>
<td>12</td>
<td>4</td>
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<tr>
<td>MAB913</td>
<td>Computational Mathematics 3B</td>
<td>12</td>
<td>4</td>
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<tr>
<td>MAB929</td>
<td>Time Series &amp; Statistical Forecasting</td>
<td>12</td>
<td>4</td>
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<tr>
<td>MAB970</td>
<td>Probability Theory &amp; Stochastic Processes</td>
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<td>MAB971</td>
<td>Advanced Mathematics of Finance</td>
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<td>MAB973</td>
<td>Partial Differential Equations</td>
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<tr>
<td>MAB974</td>
<td>Sampling &amp; Survey Techniques</td>
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<tr>
<td>MAB975</td>
<td>Ordinary Differential Equations &amp; Chaos</td>
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<tr>
<td>MAB976</td>
<td>Reliability &amp; Survival Analysis</td>
<td>12</td>
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<tr>
<td>MAB977</td>
<td>Scheduling &amp; Networks</td>
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<tr>
<td>MAB978</td>
<td>Statistical Signal Processing &amp; Image Analysis</td>
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<tr>
<td>MAB979</td>
<td>Statistical Modelling &amp; Data Analysis</td>
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<tr>
<td>MAB981</td>
<td>Applied Statistical Inference &amp; Experimentation</td>
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<td>3</td>
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<td>MAB984</td>
<td>Actuarial Statistics</td>
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<td>MAB985</td>
<td>Computational Mathematics 4</td>
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<td>MAB986</td>
<td>Mathematical Modelling of Industrial Processes</td>
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<td>MAB987</td>
<td>Optimisation of Controlled Processes</td>
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<tr>
<td>MAB990</td>
<td>Studies in Quality</td>
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<tr>
<td>MAB999</td>
<td>Advanced Topics</td>
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**PHYSICS MAJOR**

**Semester 1**
PHB705/1  Project 12
PHB705/2  Project 12
Physics Elective Unit 12 4
Physics Elective Unit 12 4

**Semester 2**
PHB705/3  Project 12
PHB705/4  Project 12
PHB705/5  Project 12
Physics Elective Unit 12 4

**Physics Elective Units**
PHB706  Quantum Mechanics 12 4
PHB707  Advanced Materials 12 4
PHB708  Advanced Topics in Physics 12 4
**Bachelor of Applied Science (SC30)**

With majors in: Biology, Biotechnology, Chemistry, Geology, Mathematics, Microbiology/ Biochemistry, and Physics.

**Location:** Gardens Point campus

**Course Duration:** 3 years full-time, 6 years part-time

**Total Credit Points:** 288

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Dr Don Field

**Course Rules**

1. A student may enrol as either a full-time or a part-time student. A full-time student is one who is enrolled in 36 or more credit points per semester. A part-time student is one who is enrolled in less than 36 credit points in the semester.

2. All commencing students and certain continuing students are required to attend scheduled academic advising sessions to plan their progression through the course, and to obtain the approval of an academic adviser prior to effecting any change of enrolment.

3. Students are normally expected to complete the course in minimum time. A full-time student enrols in an average of 48 credit points per semester for six semesters and a part-time student enrols in an average of 24 credit points per semester for 12 semesters.

4. To fulfil the requirements for the award of the degree, a student must complete units totalling at least 288 credit points, comprising major and minor studies, and supporting units.

Major and minor studies are defined in terms of the discipline and the academic level at which units are offered:

(i) A major must be completed in one of the following discipline areas: biology, biotechnology, chemistry, mathematics, geology, microbiology/biochemistry, or physics. Completion of a major consists of passing units totalling at least 120 credit points from the second and third schedules, including a minimum of 48 credit points at third level. The general requirements for each major are set out after the Course Rules.

(ii) A minor must be completed and may be undertaken in any approved subject area within the University. Completion of a minor consists of passing units totalling at least 48 credit points from units at advanced level.

Major and minor studies may be undertaken in the same or in closely related discipline areas.

5. A registered student who has successfully completed the equivalent of the first and second years of the standard full-time course, normally with a grade point average (GPA) of not less than 4.5 overall, may, at the discretion of the Cooperative Education Program Coordinator, undertake the Cooperative Education Program.

This involves 10-12 months of paid full-time employment in an approved industrial/commercial environment during which time the student is enrolled in the unit SCB100 Cooperative Education. On completion of the approved cooperative education placement the student resumes formal studies.

**Notes on the Rules**

(i) First, second and third level units are defined, respectively, to be those listed in the first, second and third schedules to the course rules. In general, it is expected that a second level unit will have one or more first-level prerequisite units. Similarly, a third level unit is likely to have one or more second-level prerequisite units. The unit schedules are shown in the Schedule of Units.
(ii) Instead of the major and minor requirement described in Rule 4, students may, in special circumstances and with the written approval of the Dean, undertake two majors or a major and two minors.

(iii) In the specification of the minor in rule 4 (ii), the term ‘advanced level’ means:

- for those students taking minors from the SC30 Science disciplines, units from schedules 2 and 3 in the SC30 schedules of units, and
- for students taking minors from other Faculties, any units which have a prerequisite of at least one other unit.

**General Requirements for Majors**
The units and specifications listed are the minimum requirements for completion of a major in each discipline.

**BIOLOGY**
First level: Animal and Plant Structure and Function  
Cell and Molecular Biology 1  
Chemistry 1  
Introduction to Life Science  
Statistics or Statistics 1A  
Second & third levels: 120 credit points of Biology units including 48 from the third level

**BIOTECHNOLOGY**
First level: Animal and Plant Structure and Function  
Cell and Molecular Biology 1  
Chemistry 1  
Chemistry 2  
Introduction to Life Science  
Statistics or Statistics 1A  
Second & third levels: 120 credit points of Biotechnology units including 48 from the third level

**CHEMISTRY**
First level: Chemistry 1  
Chemistry 2  
At least 36 credit points from other first level Science units OR Computing OR Software Development 1  
Second & third levels: 120 credit points of Chemistry units including 48 from the third level

**GEOLOGY**
First level: Physical Geology  
Historical Geology  
Chemistry 1  
Chemistry 2  
At least 12 credit points of Mathematics or Physics units  
At least 12 credit points from other Science units OR Statistics OR Computing  
Second & third levels: 120 credit points of Geology units including 48 from the third level

**MATHEMATICS**
First level: Algebra and Analysis B  
Calculus and Analysis A²  
Calculus and Vector Algebra³  
Statistics 1A  
Second & third levels: 120 credit points of Mathematics units including 48 from the third level

² MAB200 is required unless a SA in Mathematics C has been obtained.
³ This unit may be replaced with another first level Mathematics unit with permission from the Mathematics Coordinator.
MICROBIOLOGY/BIOCHEMISTRY

First level:  
- Animal and Plant Structure and Function  
- Cell and Molecular Biology  
- Chemistry 1  
- Chemistry 2  
- Introduction to Life Science  
- Statistics or Statistics 1A  

Second & third levels:  
120 credit points of Microbiology/Biochemistry units including 48 from the third level

PHYSICS

First level:  
- Computing OR  
- Software Development 1  
- Calculus & Analysis A  
- Algebra & Analysis B  
- Calculus & Vector Algebra  
- Physics 1 and 2  

Second & third levels:  
120 credit points of Physics units including 48 from the third level  
Multivariable Calculus & Differential Equations

Note: There is no evening program for part-time students. Part-time students attend classes with full-time students and therefore will require day release from employment to attend most units, but some units are available by evening study.

Schedule of Units

<table>
<thead>
<tr>
<th>First Level Units</th>
<th>Semester Offered</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>CHB142 Chemistry 1</td>
<td>1</td>
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<td>CHB182 Chemistry 1</td>
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<td>CHB242 Chemistry 2</td>
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<td>6</td>
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<tr>
<td>CHB282 Chemistry 2</td>
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<td>6</td>
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<tr>
<td>ESB122 Physical Geology</td>
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<tr>
<td>ESB222 Historical Geology</td>
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<td>ITB410 Software Development 1</td>
<td>1, 2</td>
<td>12</td>
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<td>ITB843 Computing</td>
<td>1, 2</td>
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<td>LSB118 Introduction to Life Science</td>
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<td>LSB150 Human Anatomy</td>
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<td>LSB228 Animal &amp; Plant Structure &amp; Function</td>
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<td>LSB238 Cell and Molecular Biology 1</td>
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<tr>
<td>MAB102 Basic Mathematics</td>
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<tr>
<td>MAB200 Mathematics</td>
<td>1, 2</td>
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<td>4</td>
</tr>
<tr>
<td>MAB237 Statistics</td>
<td>1, 2</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>MAB301 Calculus &amp; Analysis A</td>
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<td>12</td>
<td>4</td>
</tr>
<tr>
<td>MAB303 Algebra &amp; Analysis B</td>
<td>1, 2</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>MAB304 Calculus &amp; Vector Algebra</td>
<td>1, 2</td>
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\(^2\) MAB200 is required unless a SA in Mathematics C has been obtained.
**Other Units**

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**Other Units**

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MAB942  Optimisation Methods  1  12  4
MAB960  Project Work  1, 2  12  4
MAB970  Probability Theory & Stochastic Processes  1  12  4
MAB971  Advanced Mathematics of Finance  2  12  4
MAB973  Partial Differential Equations  2  12  4
MAB974  Sampling & Survey Techniques  2  12  4
PHB512  Project  1, 2  12  5
PHB522  Applied Quantum Mechanics  1  12  5
PHB532  Electromagnetic Field Theory  1  12  5
PHB562  Physical Methods of Analysis  1  12  5
PHB622  Solid State Physics  2  12  5
PHB632  Nuclear & Particle Physics  2  12  5
PHB642  Applied Radiation & Health Physics  2  12  5
PHB662  Topics in Physics  1  12  5
SCB510  Introduction to Quality Management  1  12  4

Other Units
Students may take units from any discipline within the University.

# Bachelor of Applied Science (Applied Chemistry) (CH32)

**Location:** Gardens Point campus

**Course Duration:** 3 years full-time, 6 years part-time

**Total Credit Points:** 288 (minimum)

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Mr Eric O’Reilly

**Full-Time Course Structure**

(i) It is strongly recommended that students also undertake the unit SCB001 Learning at University in their first semester.

(ii) Students with a Sound Achievement or better in Year 12 Maths C are advised to enrol in MAB301 Calculus & Analysis A.*

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>CHB173 Chemistry 1A</td>
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<tr>
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<td>MAB200 Mathematics*</td>
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<td>PHB122 Physics 1</td>
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<tbody>
<tr>
<td>CHB213 Concepts of Analytical Chemistry</td>
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<td>CHB283 Chemistry 2A</td>
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<tr>
<td>CHB253 Chemistry 2B</td>
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<tr>
<td>MAB237 Statistics</td>
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<tbody>
<tr>
<td>CHB313 Analytical Chemistry 3</td>
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<tr>
<td>CHB333 Inorganic Chemistry 3</td>
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<tr>
<td>CHB353 Organic Chemistry 3A</td>
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<td>CHB373 Physical Chemistry 3A</td>
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<tbody>
<tr>
<td>CHB423 Chemical Technology 4</td>
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<tr>
<td>CHB453 Organic Chemistry 4</td>
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<tr>
<td>CHB473 Physical Chemistry 4</td>
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<tr>
<td>ITB843 Computing</td>
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<th>Year 3, Semester 1</th>
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<tbody>
<tr>
<td>CHB513 Instrumental Analysis 5</td>
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<tr>
<td>CHB523 Chemical Technology 5</td>
<td>12</td>
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</table>
Two of:
CHB533 Inorganic Chemistry 5 12 5
CHB553 Organic Chemistry 5 12 5
CHB573 Physical Chemistry 5 12 5
Elective Unit 12

**Year 3, Semester 2**
CHB613 Instrumental Analysis 6 12 5
CHB623 Chemical Technology 6 12 5
CHB693 Materials Chemistry 12 5
One of:
CHB603 Project 12 5
CHB643 Applied Spectroscopy 12 5
CHB653 Applied Biological Chemistry 12 5
CHB663 Environmental Chemistry 12 5
Elective Unit 12

**Cooperative Education Program**
A registered student who has completed the equivalent of the first and second years of the standard full-time course, normally with a GPA of not less than 4.5 overall, may, at the discretion of the Cooperative Education Program Coordinator, undertake the Cooperative Education option.

This involves 10-12 months of paid full-time employment in an approved industrial/commercial environment during which time the student is enrolled in the unit SCB100 Cooperative Education. On completion of the approved industrial experience the student resumes formal studies.

**Part-Time Course Structure**
(i) It is strongly recommended that students also undertake the unit SCB001 Learning at University in their first semester.
(ii) Students with a Sound Achievement or better in Year 12 Maths C are advised to enrol in MAB301 Calculus & Analysis A.*

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
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<tr>
<td>CHB173 Chemistry 1A</td>
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<tr>
<td>PHB122 Physics 1</td>
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</tbody>
</table>

| **Year 1, Semester 2** |
| CHB183 Chemistry 1B | 12 | 6 |
| MAB200 Mathematics* | 12 | 4 |

| **Year 2, Semester 1** |
| CHB283 Chemistry 2A | 12 | 5 |
| MAB237 Statistics | 12 | 4 |

| **Year 2, Semester 2** |
| CHB213 Concepts of Analytical Chemistry | 12 | 5 |
| CHB253 Chemistry 2B | 12 | 5 |

| **Year 3, Semester 1** |
| CHB353 Organic Chemistry 3A | 12 | 5 |
| CHB373 Physical Chemistry 3A | 12 | 5 |

| **Year 3, Semester 2** |
| CHB453 Organic Chemistry 4 | 12 | 5 |
| CHB473 Physical Chemistry 4 | 12 | 5 |

| **Year 4, Semester 1** |
| CHB313 Analytical Chemistry 3 | 12 | 5 |
| CHB333 Inorganic Chemistry 3 | 12 | 5 |

| **Year 4, Semester 2** |
| CHB423 Chemical Technology 4 | 12 | 5 |
| ITB843 Computing | 12 | 4 |

| **Year 5, Semester 1** |
| CHB513 Instrumental Analysis 5 | 12 | 5 |
| CHB523 Chemical Technology 5 | 12 | 5 |
Year 5, Semester 2
CHB613 Instrumental Analysis 6  
CHB623 Chemical Technology 6  

Year 6, Semester 1
Two of:
CHB533 Inorganic Chemistry 5  
CHB553 Organic Chemistry 5  
CHB573 Physical Chemistry 5  
Elective Unit  

Year 6, Semester 2
CHB693 Materials Chemistry  

One of:
CHB603 Project  
CHB653 Applied Biological Chemistry  
CHB663 Environmental Chemistry  
Elective Unit  

Note: It is not intended that all Chemistry elective units will be offered. Those units offered in any one year will be determined by student demand.

Bachelor of Applied Science (Mathematics) (MA34)

Location: Gardens Point campus

Course Duration: 3 years full-time, 6 years part-time

Total Credit Points: 288

Standard Credit Points/Full-Time Semester: 48

Course Coordinator: Dr Jack Wrigley

Course Requirements
A student selects units from the list given below, having regard to specified prerequisites and co-requisites, and must complete:
(i) all units from List A
(ii) at least 36 credit points from List B
(iii) at least 144 credit points from Lists C and D with at least 48 credit points from List D
(iv) a minimum of 288 credit points.

<table>
<thead>
<tr>
<th>List A</th>
<th>Semester Offered</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>ITB840 Introduction to Computing</td>
<td>1, 2</td>
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<td>MAB301 Calculus and Analysis A</td>
<td>1, 2</td>
<td>12</td>
<td>4</td>
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<tr>
<td>MAB303 Algebra and Analysis B</td>
<td>1, 2</td>
<td>12</td>
<td>4</td>
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<tr>
<td>MAB347 Statistics 1A</td>
<td>1, 2</td>
<td>12</td>
<td>4</td>
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<table>
<thead>
<tr>
<th>List B</th>
<th>Semester Offered</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>MAB304 Calculus and Vector Algebra</td>
<td>1, 2</td>
<td>12</td>
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<tr>
<td>MAB321 Computational Mathematics 1</td>
<td>1, 2</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>MAB342 Mathematics of Finance</td>
<td>1, 2</td>
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<td>4</td>
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<tr>
<td>MAB348 Statistics 1B</td>
<td>1, 2</td>
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<table>
<thead>
<tr>
<th>List C</th>
<th>Semester Offered</th>
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<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td>MAB601 Multivariable Calculus</td>
<td>1</td>
<td>12</td>
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<tr>
<td>MAB612 Differential Equations</td>
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<td>MAB618 Computational Mathematics 2</td>
<td>1, 2</td>
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<tr>
<td>MAB620 Finite Mathematics</td>
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<td>4</td>
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<tr>
<td>MAB630 Linear Algebra &amp; its Applications</td>
<td>1</td>
<td>12</td>
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<tr>
<td>MAB632 Mathematical Modelling</td>
<td>2</td>
<td>12</td>
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<tr>
<td>MAB637 Operations Research 1A</td>
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<td>MAB638 Operations Research 1B</td>
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<tr>
<td>MAB641 Actuarial Mathematics</td>
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</table>
List D

MAB906 Topics in Analysis  
MAB907 Statistics 3A  
MAB908 Statistics 3B  
MAB911 Computational Mathematics 3A  
MAB912 Continuum Modelling  
MAB913 Computational Mathematics 3B  
MAB927 Operations Research 2A  
MAB928 Operations Research 2B  
MAB929 Time Series & Statistical Forecasting  
MAB933 Mathematical Biology  
MAB941 Mathematical Modelling in Economics  
MAB942 Optimisation Methods  
MAB960 Project Work  
MAB970 Probability Theory & Stochastic Processes  
MAB971 Advanced Mathematics of Finance  
MAB973 Partial Differential Equations  
MAB974 Sampling & Survey Techniques  
SCB510 Introduction to Quality Management

Cooperative Education Program

A registered student who has completed the equivalent of the first and second years of the standard full-time course, normally with a GPA of not less than 4.5 overall, may, at the discretion of the Cooperative Education Program Coordinator, undertake the Cooperative Education option.

This involves 10-12 months of paid full-time employment in an approved industrial/commercial environment during which time the student is enrolled in the unit SCB100 Cooperative Education. On completion of the approved Cooperative Education placement the student resumes formal studies.

Bachelor of Applied Science (Medical Science) (LS37)

Location: Gardens Point campus
Course Duration: 3 years full-time, 6 years part-time
Total Credit Points: 288
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Mr Trevor Forster

Professional Recognition

Graduates are immediately eligible for graduate membership of the Australian Institute of Medical Scientists and will have completed the academic requirements for admission as associate members.

Special Course Requirements

Students in the part-time program should be aware that they are required to attend much of their program during the day.

Students are required to undertake a four-week work experience program in a practising pathology laboratory. This takes place at the end of the second year full-time and in a suitable vacation period during the part-time program. This is a requirement for the unit LSB480 Professional Practice.

Part-Time Course Structure
(continuing students only)

Students enrolling in the part-time program must consult with the Course Coordinator.
<table>
<thead>
<tr>
<th>Full-Time Course Structure</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
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<td>CHB142 Chemistry 1</td>
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<tr>
<td>LSB150 Human Anatomy</td>
<td>12</td>
<td>5</td>
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<tr>
<td>LSB118 Introduction to Life Science</td>
<td>12</td>
<td>6</td>
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<tr>
<td>PHB150 Physics 1H</td>
<td>12</td>
<td>6</td>
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<tr>
<td><strong>Year 1, Semester 2</strong></td>
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<tr>
<td>CHB242 Chemistry 2</td>
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<td>LSB260 Quantitative Methods in Life Science 1</td>
<td>12</td>
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<tr>
<td>LSB238 Cell &amp; Molecular Biology</td>
<td>12</td>
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<td>LSB250 Human Physiology</td>
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<td><strong>Year 2, Semester 1</strong></td>
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<tr>
<td>LSB308 Biochemistry 1</td>
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<tr>
<td>LSB300 Microbiology 1</td>
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<td>LSB320 Quantitative Methods in Life Science 2</td>
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<td>LSB350 General &amp; Systematic Pathology</td>
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<td><strong>Year 2, Semester 2</strong></td>
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<td>LSB400 Microbiology 2</td>
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<td>LSB430 Immunology 1</td>
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<td>LSB450 Haematology 1</td>
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<td>LSB460 Histopathology 1</td>
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<td>LSB437 Molecular Biology</td>
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<td>LSB520 Clinical Biochemistry 1</td>
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<td>LSB530 Immunology 2</td>
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<td>LSB550 Haematology 2</td>
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<td>LSB560 Histopathology 2</td>
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<td>LSB630 Immuno-haematology</td>
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<td>LSB650 Haematology 3</td>
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<td>LSB660 Histopathology 3</td>
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<td>LSB640 Molecular Pathogenesis &amp; Disease Diagnosis 2</td>
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<td><strong>Part-Time Course Structure</strong></td>
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<td>LSB150 Human Anatomy</td>
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<td><strong>Year 1, Semester 2</strong></td>
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<td>CHB242 Chemistry 2</td>
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<td>LSB260 Quantitative Methods in Life Science 1</td>
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<tr>
<td>LSB118 Introduction to Life Science</td>
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<tr>
<td>LSB238 Cell &amp; Molecular Biology</td>
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<tr>
<td>LSB308 Biochemistry 1</td>
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<td>LSB300 Microbiology 1</td>
<td>8</td>
<td>4</td>
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<tr>
<td>LSB350 General &amp; Systematic Pathology</td>
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</table>
### Bachelor of Applied Science (Medical Radiation Technology) (PH38)

With majors in: Medical Imaging Technology and Radiotherapy Technology

**Location:** Gardens Point campus

**Course Duration:** 3 years full-time

**Total Credit Points:** 288

**Standard Credit Points/Full-Time Semester:** 48

**Course Coordinator:** Ms Pam Rowntree

**Coordinators:**
- Medical Imaging Technology Major: Ms Pam Rowntree
- Radiotherapy Technology Major: Mrs Michelle Oppelaar

**Conversion Program**

A program to allow holders of an associate diploma or diploma to upgrade to degree level is available through study in both majors of the PH38 program.

## Full-Time Course Structure

<table>
<thead>
<tr>
<th>Year, Semester</th>
<th>Common Units</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<td><strong>Common Units</strong></td>
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<tr>
<td><strong>LSB141</strong></td>
<td>Anatomy 1</td>
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<tr>
<td><strong>MAB151</strong></td>
<td>Quantitative Techniques</td>
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<td>2</td>
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<tr>
<td><strong>NSB201</strong></td>
<td>Principles of Patient Care</td>
<td>4</td>
<td>2</td>
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<td><strong>PHB111</strong></td>
<td>Physics 1B</td>
<td>8</td>
<td>3</td>
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<tr>
<td><strong>PHB178</strong></td>
<td>Principles of Medical Radiations</td>
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<tr>
<td><strong>SSB910</strong></td>
<td>Introductory Psychology for Health Professionals</td>
<td>4</td>
<td>2</td>
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</table>
### Year 1, Semester 2

#### Common Units
- LSB221 Introduction to Pathology 8 3
- LSB241 Anatomy 2 10 4
- PHB272 Radiation Physics 1 12 5

#### Medical Imaging Technology Major
- PHB275 Processing Technology 4 2
- PHB276 General Radiography 1 12 6
- PHB278 General Radiography Practice 1 8 3

#### Radiotherapy Technology Major
- PHB286 Treatment Planning 1 12 6
- PHB287 Megavoltage Therapy 1 8 4

### Year 2, Semester 1

#### Common Units
- LSB321 Systematic Pathology 8 3
- LSB343 Imaging Anatomy 1 8 4

#### Medical Imaging Technology Major
- PHB373 Nuclear Medicine Imaging 4 2
- PHB374 Radiographic Equipment 1 4 2
- PHB376 General Radiography 2 8 4
- PHB379 Clinical Radiography 1 8 4
- PHB378 General Radiography Practice 2 8 3

#### Radiotherapy Technology Major
- PHB382 Radiotherapy Physics 1 4 2
- PHB386 Treatment Planning 2 12 6
- PHB387 Megavoltage Therapy 2 12 5
- PHB389 Clinical Radiotherapy 1 8 4

### Year 2, Semester 2

#### Common Units
- LSB443 Imaging Anatomy 2 8 4
- PHB475 Medical Radiation Computing 1 8 3

#### Medical Imaging Technology Major
- PHB473 Medical Ultrasound 4 2
- PHB474 Radiographic Equipment 2 4 2
- PHB476 Special Procedures 12 5
- PHB479 Clinical Radiography 2 8 4

#### Radiotherapy Technology Major
- PHB485/1 Principles of Treatment 4 3
- PHB487 Megavoltage Therapy 3 12 3
- PHB489 Clinical Radiotherapy 2 8 4
- PHB585 Computer Assisted Treatment Planning 1 12 3

### Year 3, Semester 1

#### Common Units
- PHB575 Medical Radiation Computing 2 8 3
- PHB672/1 Project 6

#### Medical Imaging Technology Major
- LSB421 Imaging Pathology 4 2
- PHB577 Quality Assurance/Image Evaluation 8 4
- PHB576 Advanced Radiographic Technique 1 8 4
- PHB580/1 Clinical Radiography 3 8 4
- PHB681 Computed Tomography Imaging 12 4

#### Radiotherapy Technology Major
- PHB587 Specialised Radiotherapy Technique 1 12 6
- PHB589 Clinical Radiotherapy 3 8 4
- PHB685 Computer Assisted Treatment Planning 2 12 6
- PHB485/2 Principles of Treatment 4 3
### Year 3, Semester 2

#### Common Units
- PHB674 Radiation Safety & Biology 8 3
- PHB672/2 Project 6

#### Medical Imaging Technology Major
- PHB676 Advanced Radiographic Technique 2 12 4
- PHB580/2 Clinical Radiography 3 8 6
- PHB578 Image Interpretation 4 2
- PHB682 Magnetic Resonance Imaging 8 3

#### Radiotherapy Technology Major
- PHB683 Oncological Imaging 8 3
- PHB687 Specialised Radiotherapy Technique 2 12 6
- PHB689 Clinical Radiotherapy 4 8 4

---

### Bachelor of Applied Science (Medical Radiation Technology) (PH90)

This course is being phased out and is available only to continuing students.

**Conversion Course with majors in:** Medical Imaging Technology and Radiotherapy Technology

**Location:** Gardens Point campus

**Course Duration:** 2 years part-time for holders of a Diploma in Radiography (QUT) or equivalent or 3 years part-time for holders of an Associate Diploma in Radiography (QUT) or equivalent. The programs are also available over half the duration mentioned above in full-time mode.

**Total Credit Points:** 96 (diploma holders); 144 (associate diploma holders).

**Standard Credit Points/Part-Time Semester:** 24

**Course Coordinator:** Associate Professor Brian J. Thomas

**Coordinators:**
- Medical Imaging Technology Major: Ms Pam Rowntree
- Radiotherapy Technology Major: Mrs Michelle Oppelaar

#### Part-Time Course Structure for Diploma Holders (for continuing students)

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Common Units</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHB575</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>PHB673/1 Project</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td><strong>Medical Imaging Technology Major</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LSB421 Imaging Pathology</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>PHB577 Quality Assurance/Image Evaluation</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>PHB681 Computed Tomography Imaging</td>
<td>12</td>
<td>5</td>
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<tr>
<td><strong>Radiotherapy Technology Major</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHB685 Computer Assisted Treatment Planning 2</td>
<td>12</td>
<td>4</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td><strong>Common Unit</strong></td>
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<td></td>
</tr>
<tr>
<td>PHB673/2 Project</td>
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</tr>
<tr>
<td><strong>Medical Imaging Technology Major</strong></td>
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</tr>
<tr>
<td>PHB578 Image Interpretation</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>PHB600 Advanced Radiographic Practice 2</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td><strong>Radiotherapy Technology Major</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHB687 Specialised Radiotherapy Technique 2</td>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>PHB889 Advanced Radiotherapeutic Practice</td>
<td>20</td>
<td>4</td>
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<table>
<thead>
<tr>
<th>Year 3, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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<tbody>
<tr>
<td><strong>Common Unit</strong></td>
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</tr>
<tr>
<td>PHB673/1 Project</td>
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</table>
Medical Imaging Technology Major
PHB575 Medical Radiation Computing 2 8 3
PHB577 Quality Assurance/Image Evaluation 8 3
PHB681 Computed Tomography Imaging 10 5

Radiotherapy Technology Major
PHB685 Computer Assisted Treatment Planning 2 8 4
PHB889 Advanced Radiotherapeutic Practice 2 20 4

Year 3, Semester 2
Common Unit
PHB673/2 Project 6

Medical Imaging Technology Major
PHB578 Image Interpretation 1 4 2
PHB600 Advanced Practice 2 12 4

Radiotherapy Technology Major
PHB687 Specialised Radiotherapy Technique 2 12 4

Associate Degree in Applied Science (Biology)
Associate Degree in Applied Science (Chemistry) (SC12)

Location: Gardens Point campus
Course Duration: 2 years full-time, 4 years part-time
Total Credit Points: 192
Standard Credit Points/Full-Time Semester: 48
Course Coordinator: Dr Graham Smith

Full-Time Course Structure
This course is being phased out. Students requiring units from all semesters of the course should consult with the Course Coordinator to arrange for alternative units.

<table>
<thead>
<tr>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>BIOLOGY MAJOR</td>
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</tr>
<tr>
<td>Year 2, Semester 1</td>
<td></td>
</tr>
<tr>
<td>CHA442 Introduction to Occupational Safety</td>
<td>4</td>
</tr>
<tr>
<td>LSX310 Introduction to Bioculture</td>
<td>8</td>
</tr>
<tr>
<td>LSX311 Computer Applications in Biology</td>
<td>8</td>
</tr>
<tr>
<td>LSX312 Animal &amp; Plant Techniques</td>
<td>12</td>
</tr>
</tbody>
</table>

Plus two elective units selected from:
- LSX313 Taxonomy | 8 | 3 |
- LSX316 Hydrobiological Techniques | 8 | 3 |

| Year 2, Semester 2 |
| LSA223 Microbiology | 8 | 3 |
| LSX410 Environmental Biology | 8 | 3 |
| LSX411 Population Biology | 8 | 3 |
| LSX412 Field Techniques | 8 | 3 |
| LSX413 Applications in Electron Microscopy | 8 | 3 |

Plus one other approved Elective Unit | 8 | 3 |

| CHEMISTRY MAJOR |
| Year 2, Semester 1 |
| CHA318 Instrumental Analytical Chemistry | 8 | 4 |
| CHA319 Analytical Chemistry 2 | 6 | 3 |
| CHA320 Chemical Process Principles 1 | 8 | 3 |
| CHA350 Organic Chemistry 2 | 8 | 3 |
| CHA370 Physical Chemistry 2 | 6 | 2 |
| CHA442 Introduction to Occupational Safety | 4 | 2 |
| ITA840 Introduction to Computing | 8 | 2 |
Plus one Elective Unit selected from:

<table>
<thead>
<tr>
<th>Unit</th>
<th>Subject</th>
<th>Credit</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESA310</td>
<td>Geology</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>LSA123</td>
<td>Biology</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Any other approved Elective Unit</td>
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</tbody>
</table>

**Year 2, Semester 2**

<table>
<thead>
<tr>
<th>Unit</th>
<th>Subject</th>
<th>Credit</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHA368</td>
<td>Industrial Chemistry</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHA410</td>
<td>Computers in Chemistry</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHA550</td>
<td>Organic Chemistry 3</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHA610</td>
<td>Industrial Analysis</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHA670</td>
<td>Physical Chemistry 3</td>
<td>8</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus one Elective Unit selected from:

<table>
<thead>
<tr>
<th>Unit</th>
<th>Subject</th>
<th>Credit</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSA223</td>
<td>Microbiology</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Any other approved Elective Unit</td>
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</tbody>
</table>

**Part-Time Course Structure**

Part-time programs can be organised in consultation with the Course Coordinator. Refer to the full-time program for semesters in which units are offered. Day release from employment will be required for most units.

---

### Associate Degree in Applied Science (SC15)

With majors in: Chemistry and Medical Laboratory Techniques

**Location:** Gardens Point campus

**Course Duration:** 2 years full-time, 4 years part-time

**Total Credit Points:** 192

**Standard Credit Points/Full-time Semester:** 48

**Course Coordinators:**

- Chemistry: Dr Graham Smith
- Medical Laboratory Techniques: Mr Trevor Forster

### Full-time Course Structure

The first semester is common to both majors.

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>CHA110 Laboratory Techniques</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHA140 Chemistry</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>ITA840 Introduction to Computing</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>LSA123 Biology</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>MAA251 Statistics &amp; Data Processing</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>PHA154 Introductory Physics</td>
<td>8</td>
<td>3</td>
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</table>

<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
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</thead>
<tbody>
<tr>
<td>Chemistry Major</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>CHA210 Analytical Chemistry 1</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>CHA240 Instrumental Techniques</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHA250 Organic Chemistry 1</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHA271 Physical &amp; Inorganic Chemistry 1</td>
<td>12</td>
<td>5</td>
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<tr>
<td>CHA280 Consumer Chemistry</td>
<td>8</td>
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</table>

**Medical Laboratory Techniques Major**

<table>
<thead>
<tr>
<th>Unit</th>
<th>Subject</th>
<th>Credit</th>
<th>Contact</th>
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</thead>
<tbody>
<tr>
<td>LSA221</td>
<td>Biological Chemistry</td>
<td>12</td>
<td>5</td>
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<tr>
<td>LSA222</td>
<td>Laboratory Instrumentation</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>LSA223</td>
<td>Microbiology</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>LSA224</td>
<td>Pathology</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>LSA225</td>
<td>Anatomy &amp; Physiology</td>
<td>12</td>
<td>5</td>
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</table>

<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Credit Points</th>
<th>Contact Hrs/Wk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry Major</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHA310 Analytical Chemistry 2</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>CHA311 Instrumental Analytical Chemistry</td>
<td>8</td>
<td>4</td>
</tr>
</tbody>
</table>
CHA321 Industrial Chemistry 1 8 3
CHA350 Organic Chemistry 2 8 3
CHA371 Physical & Inorganic Chemistry 2 8 3

Plus one elective unit selected from:
ESA310 Geology 8 3
Any other approved elective unit

Medical Laboratory Techniques Major
LSA320 Clinical Biochemical Techniques 1 8 4
LSA321 Clinical Microbiological Techniques 1 8 4
LSA322 Haematological Techniques 1 8 4
LSA323 Histological Techniques 1 8 4
LSA324 Immunological Techniques 8 4
LSA325 Cytological Techniques 1 8 4

Year 2, Semester 2
Chemistry Major
CHA410 Computers in Chemistry 8 3
CHA411 Industrial Analysis 8 3
CHA420 Industrial Chemistry 2 8 3
CHA450 Organic Chemistry 3 8 3
CHA470 Physical Chemistry 3 8 3

Plus one elective unit selected from:
LSA223 Microbiology 8 3
Any other approved elective unit

Medical Laboratory Techniques Major
LSA420 Clinical Biochemical Techniques 2 8 4
LSA421 Clinical Microbiological Techniques 2 8 4
LSA422 Haematological Techniques 2 8 4
LSA423 Histological Techniques 2 8 4
LSA424 Transfusion Techniques 8 4
LSA425 Cytological Techniques 2 8 4

Part-time Course Structure
Part-time programs can be organised in consultation with the course coordinators. Refer to the full-time program for semester of offering of units. Day release will be required for most units.
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The synopses are presented in alpha-numeric order according to their codes.

UNIT CODING AND NUMBERING
The unit code is of the format XXX999. The first two characters indicate the faculty or school administering the unit. The third character indicates the level of the course in which the unit is normally taught.

Unit Coding
AA Academy of the Arts
AR Architecture, Interior and Industrial Design
AT Arts
AY Accountancy
BN Built Environment and Engineering
BS Business
CE Civil Engineering
CH Chemistry
CN Construction Management
CO Communication
CP Cultural and Policy Studies
EA Early Childhood
ED Education
EE Electrical and Electronic Systems Engineering
EF Economics and Finance
ES Geology
GS Graduate School of Business
HL Health
HM Human Movement Studies
HU Humanities
IF Interfaculty Courses
IT Information Technology
JS Justice Studies
LA Language and Literacy Education
LE Learning and Development
LP Legal Practice
LS Life Science
LW Law
MA Mathematics
MD Mathematics, Science and Technology Education
ME Mechanical and Manufacturing Engineering
MG Management and Human Resource Management
MI Marketing and International Business
MJ Media and Journalism
NS Nursing
OP Optometry
PH Physics
PR Professional Studies
PS Planning, Landscape Architecture and Surveying
PU Public Health
SC Science
SS Social Science

Level Indicators
X = Certificate, Associate Diploma, Associate Degrees, Diploma
B = Degree
P = Graduate Diploma
N = Masters Degree
R = Doctoral
A = Associate Diploma
(all schools except Engineering)*
T = Associate Diploma in Engineering*
S = Special Units

* Codes to be phased out as existing QUT courses are reaccredited.

PREREQUISITE AND CO-REQUISITE UNITS
For definitions of the terms prerequisite and co-requisite unit(s), refer to Rule 1.8.2 of the Student Rules, Policies and Procedures in this Handbook.
Students undertake a substantial piece of supervised research after academic advisement. This might include practical work and associated seminars.

**Courses:** AA40
**Credit Points:** 48

**AAB002 GRADUATE SEMINAR**
Seminar series involving postgraduate students, staff and visiting experts in the cross-fertilisation of ideas and research in the arts. The seminars aim to foster a culture which shares and debates research findings and perceptions about the arts.

**Courses:** AA40
**Credit Points:** 12
**Contact Hours:** 3 per week

**AAB004 CONTEMPORARY AESTHETIC DEBATES**
Introduction to modern aesthetic debates that inform contemporary art practice. The unit addresses philosophical discourse on art from Kant to postmodern theories.

**Courses:** AA40
**Credit Points:** 12
**Contact Hours:** 3 per week

**AAB005 READINGS IN VISUAL ARTS**
This unit concentrates on developing critical and analytical skills in reading and writing about the visual arts. It focuses on critical art-historical writings since 1968.

**Courses:** AA40
**Credit Points:** 12
**Contact Hours:** 3 per week

**AAB006 FEMINIST STUDIES IN THE ARTS**
Students will develop an understanding of historical and current feminist theory and will read and analyse art from feminist perspectives.

**Courses:** AA40
**Credit Points:** 12
**Contact Hours:** 3 per week

**AAB051 ARTS IN SOCIETY**
Contemporary and historical perspectives on the relation between arts and society. Relevant themes and theories include fine art, modernism and the avant-garde, craft and utilitarianism, art and politics, representation and sexuality, patronage and institutions, cultural studies, postmodernism, art and technological change and cross-cultural encounters. A purpose-designed CD-ROM focusing across Australian arts exemplifies the lecture series.

**Courses:** AA11, AA21, AA51, AA71, AA81, HU20, MJ20, SS07
**Credit Points:** 12
**Contact Hours:** 3 per week

**AAB053 GENDER ISSUES IN THE VISUAL & PERFORMING ARTS**
This unit introduces students to the ways in which the arts contribute to, or challenge, concepts of femininity and masculinity in Western European cultures. Areas covered include: an overview of various strands of feminist thought; discussion of key issues in the sex/gender debate; analysis of the representations of gender in both historical and contemporary examples of dance, drama, music and visual arts.

**Courses:** AA11, AA21, AA51, AA71
**Credit Points:** 12
**Contact Hours:** 3 per week

**AAB055 PROFESSIONAL PRACTICE**
Through secondment to professional organisations, final year students gain insights into the practical application of their course work. Access to this unit is reserved for students who have demonstrated an outstanding level of self-directed learning and a high level of requisite skills.

**Courses:** AA11, AA21, AA51, AA71
**Prerequisites:** High achievement in major study area
**Credit Points:** 12

**AAB056 PROFESSIONAL STUDIES**
This unit aims to facilitate a smooth and confident transition from undergraduate experiences to life in the arts workforce. Exploration of current issues in the arts, and development of professional skills including public speaking, meeting procedures and career management.

**Courses:** AA11, AA21, AA51, AA71
**Credit Points:** 12
**Contact Hours:** 3 per week

**AAB057 INDEPENDENT STUDY**
With the approval of the Unit Coordinator, the student constructs and executes a project in an area of their own choice. The project may be theoretical in the field of scholarship, practical intensive discipline work or experimental. Access to this unit is reserved for students who have demonstrated an outstanding level of self-directed learning and high level of requisite skills.

**Courses:** AA11, AA21, AA51, AA71
**Prerequisites:** High achievement in major area of study
**Credit Points:** 12

**AAB058 ARTS RESEARCH**
An introduction to current research methods and approaches in the arts, the unit addresses the issues of the status of the observer and the nature of validation in research. This unit is a prerequisite for entry to Honours.

**Courses:** AA11, AA21, AA51, AA71
**Credit Points:** 12
**Contact Hours:** 3 per week

**AAB059 HYBRID ARTS PROJECT**
With the approval of the Unit Coordinator, students may develop group cross-disciplinary projects or participate in a scheduled cross-disciplinary arts project. Approved or scheduled projects will develop new work in a workshop environment and lead to appropriate presentation.

**Courses:** AA11, AA21, AA51, AA71
**Prerequisites:** Notable achievement in major area of study
**Credit Points:** 12

**AAB060 APPLIED RESEARCH METHODOLOGIES**
Students apply learning and understandings of arts research methods to their own identified areas of significance. The unit includes research proposal, literature review, conceptual frameworks, methodology, data collection and analysis and report publishing.

**Courses:** AA11, AA21, AA51, AA71
**Credit Points:** 12
**Contact Hours:** 3 per week

**AAB061 ARTS BUSINESS MANAGEMENT**
An introduction to management techniques within the Australian arts environment, including company structures, cultural policy, strategic management and leadership in the arts, legal, ethical, economical and social requirements of arts, boards, entrepreneurial activity.

**Courses:** AA11, AA21, AA51, AA71
**Credit Points:** 12
**Contact Hours:** 3 per week

**AAB062 ARTS EVENT PROMOTION & PUBLIC RELATIONS**
The roles of publicist, promotion officer, marketing manager and public relations manager in arts organisations. Sponsorship, fundraising programs, membership drives. Planning the promotional and public relations campaign.

**Courses:** AA11, AA21, AA51, AA71
**Credit Points:** 12
**Contact Hours:** 3 per week

**AAB100 COMPOSITION 1**
Introduction to improvisation and choreographic devices, exploration of the fundamental concepts of time, space and energy. Experimentation in the use of dance to express ideas.

**Courses:** AA11, IF75
**Credit Points:** 12
**Contact Hours:** 3 per week

**AAB104 MUSIC**
Elements of music: beat, accent, rhythm and phrasing; nineteenth and twentieth century musical styles; notation, score reading, vocal and improvisation studies.

**Courses:** AA11, IF75
**Credit Points:** 12
**Contact Hours:** 3 per week

**AAB106 DANCE ANALYSIS & HISTORY 2**
Introduction to the analysis of dance through a concentration on the dance as text; a study of various historical contexts of dance as art. Focus on modern dance.

**Courses:** AA11, IF75
**Prerequisites:** AAB125
**Credit Points:** 12
**Contact Hours:** 3 per week
AA109 PRACTICUM
Consolidation of the student's knowledge and skills in direct artistic experience in real contexts.
Courses: AA11  Credit Points: 12

AA112 HISTORY OF AUSTRALIAN THEATRE DANCE
A study of the development of dance as an art form in Australia in the twentieth century.
Courses: AA11  Credit Points: 12  Contact Hours: 3 per week

AA114 DANCE IN AUSTRALIAN SOCIETY
The ritual, artistic and social functions of dance in contemporary Australian society.
Courses: AA11, IF75  Credit Points: 12  Contact Hours: 3 per week

AA116 DANCE IN THE COMMUNITY
Identifying community groups and issues; functions and benefits of dance in the community; political and social role of the dance artist; philosophy and practice of community arts in Australia; funding and planning procedures; adaptation of dance skills.
Courses: AA11  Credit Points: 12  Contact Hours: 3 per week

AA117 DANCE IN EDUCATION
Introduction to the philosophy and practice of dance education, particularly the areas of performance, choreography and appreciation. Appropriate for students planning a career in either primary or secondary education sectors.
Courses: AA11, IF75  Credit Points: 12  Contact Hours: 3 per week

AA125 DANCE ANALYSIS & HISTORY 1
Introduction to the analysis of dance through a concentration on the dance as text; a study of various historical contexts of dance as art. Focus on ballet.
Courses: AA11, IF75  Credit Points: 12  Contact Hours: 3 per week

AA131 BALLET TECHNIQUE 1
Designated unit. Consolidation of fundamental technique and its applications designed to reinforce and develop an appropriate range of technical skills within the four-tier practical levels system.
Courses: AA11, IF75  Credit Points: 6  Contact Hours: 6 per week

AA132 BALLET TECHNIQUE 2
Designated unit. Designed to expand students’ understanding of the basic principles of ballet technique.
Courses: AA11, IF75  Credit Points: 6  Contact Hours: 6 per week

AA133 BALLET TECHNIQUE 3
Designated unit. Consolidation of technique: study of differing stylistic approaches to ballet technique through the four-tier levels system.
Courses: AA11  Credit Points: 6  Contact Hours: 6 per week

AA134 BALLET TECHNIQUE 4
Designated unit. Technique classes of advanced standard incorporating complex exercise combinations, with an emphasis on performance quality and style within the four-tier levels system.
Courses: AA11  Credit Points: 6  Contact Hours: 6 per week

AA135 CONTEMPORARY TECHNIQUE 1
Designated unit. The study of contemporary dance techniques within the four-tier levels system. Practical work includes floor work, centre work and basic combinations to develop flexibility, strength and coordination; vocabulary of contemporary dance techniques.
Courses: AA11, IF75  Credit Points: 6  Contact Hours: 7.5 per week

AA136 CONTEMPORARY TECHNIQUE 2
Designated unit. Continuation of study initiated in AA135.
Courses: AA11, IF75  Credit Points: 6  Contact Hours: 7.5 per week

AA137 CONTEMPORARY TECHNIQUE 3
Designated unit. Consolidation of technical knowledge; increased degree of difficulty in turning and jumping sequences; rapid changes of weight and off-balance work within the four-tier levels system.
Courses: AA11, IF75  Credit Points: 6  Contact Hours: 7.5 per week

AA138 CONTEMPORARY TECHNIQUE 4
Designated unit. Advanced technique classes incorporating complex exercise combinations with rapid changes of weight, level, direction; performance quality and style within the four-tier levels system.
Courses: AA11, IF75  Credit Points: 6  Contact Hours: 7.5 per week

AA155 ADVANCED ANALYSIS: BALLET
Development of students’ skills in the aesthetic appreciation and analysis of masterworks of dance. Content includes review of elements and principles of dance analysis; Classicism; Romanticism; choreographic processes in ballet.
Courses: AA11  Prerequisites: AA106  Credit Points: 12  Contact Hours: 2 per week

AA156 ADVANCED ANALYSIS: MODERN
Development of students’ skills in the aesthetic appreciation and analysis of masterworks of dance. Content includes evaluating and interpreting the dance, review of dance language, aesthetic theory and styles in dance.
Courses: AA11  Prerequisites: AA106  Credit Points: 12  Contact Hours: 2 per week

AA157 ADVANCED ANALYSIS: COMPARATIVE
The skills involved in the aesthetic appreciation and analysis of the masterworks of ballet or modem/contemporary dance used to engage in a comparison of features of specific dances chosen for detailed study.
Courses: AA11  Prerequisites: AA155, AA156  Credit Points: 12  Contact Hours: 1 per week

AA158 ADVANCED COMPOSITION 1
Exploration of how dance creates meaning: the aesthetic questions that have emerged out of the last major choreographic movement; an exploration of possible future directions.
Courses: AA11  Corequisites: AA155  Credit Points: 12  Contact Hours: 5 per week

AA159 ADVANCED COMPOSITION 2
Contact improvisation and its use as a basis for the development of partner work; the range of traditional and non-traditional forms available to the choreographer when working with groups of varying sizes.
Courses: AA11  Corequisites: AA156  Credit Points: 12  Contact Hours: 5 per week

AA165 COMPOSITION 2
Extends the students’ dance composition knowledge and skills and provides opportunity for choreographic experimentation. Focus on movement, content and form. Music, costume and lighting will be considered in relationship to developing the work for performance (year-long unit).
Courses: AA11, IF75  Prerequisites: AA100  Credit Points: 12  Contact Hours: 1.5 per week

AA168 PERFORMANCE STUDIES 1
Development of outstanding practical skills in a variety of dance styles and exploration of the ways the performer provides a resource for the choreographer. Repertoire and the processes involved in the learning, rehearsing and performing of different styles of choreographic work.
Courses: AA11  Credit Points: 12  Contact Hours: 3 per week
- **AAB169 PERFORMANCE STUDIES 2**
  Further development of skills in both technical and artistic expression aligned with the exploration of the rehearsal and performing work ethic.
  **Courses:** AA11
  **Credit Points:** 12
  **Prerequisites:** AAB168
  **Contact Hours:** 3 per week

- **AAB171 DANCE STYLES 1**
  Jazz and tap styles – essential steps and various combinations.
  **Courses:** AA11, IF75
  **Credit Points:** 12
  **Contact Hours:** 3 per week

- **AAB172 DANCE STYLES 2**
  Folk dance and musical theatre. Various dances specific to different areas of the world; skills required in the presentation of musical theatre.
  **Courses:** AA11
  **Prerequisites:** AAB171
  **Credit Points:** 12
  **Contact Hours:** 3 per week

- **AAB176 JAZZ & POPULAR DANCE**
  History and sociology of jazz and popular dances; examination of dance in musical theatre and other commercial contexts; basic technique and steps in a range of jazz and popular dance styles.
  **Courses:** AA11
  **Credit Points:** 12
  **Contact Hours:** 3 per week

- **AAB200 DRAMATURGY**
  In AAB200 the areas of production research, script development and assessment, AA30 dramaturgy is increasingly being recognised as a vital component of theatre making. In this Honours unit, students examine the dramaturge’s role in script selection and analysis, programming, translation, adaptation and research. Comparisons are drawn between these functions and those of the script editor/story editor in screen writing.
  **Courses:** AA40
  **Prerequisites:** Completion of BA and GPA of at least 5
  **Credit Points:** 12
  **Contact Hours:** 3 per week

- **AAB202 ACTING 1**
  Designated unit. Fundamentals of theatre and the acting process. Workshop activities including improvisation and exercises which focus on the elements of dramatic form and the acting process.
  **Courses:** AA21
  **Credit Points:** 12
  **Contact Hours:** 14 per week

- **AAB203 ACTING 2**
  Designated unit. Introduction to text-based performance; the naturalistic style of acting, the foundation for stage, film and television; textual analysis, personal research in role preparation; efficient use of rehearsal time.
  **Courses:** AA21
  **Prerequisites:** AAB202
  **Credit Points:** 12
  **Contact Hours:** 21 per week

- **AAB204 VOICE & MOVEMENT 1**
  Introduction to a holistic approach to body and voice and their integration as the basis for all forms of dramatic expression.
  **Courses:** AA21
  **Credit Points:** 12
  **Contact Hours:** 6 per week

- **AAB205 VOICE & MOVEMENT 2**
  Continuation of developing an understanding of the concepts and skills required for a career as a professional performer. Text work, advanced voice and body training, strength and stamina, flexibility, fluency, expressiveness.
  **Courses:** AA21
  **Prerequisites:** AAB204
  **Credit Points:** 12
  **Contact Hours:** 6 per week

- **AAB208 ELEMENTS OF DRAMA**
  Development of an understanding of drama theory and practice, and of their interrelation through an introduction to the basic elements of dramatic performance such as space, performer, audience, language, rhythm, action.
  **Courses:** AA21, IF76
  **Credit Points:** 12
  **Contact Hours:** 3 per week

- **AAB214 PROCESS DRAMA**
  Workshops involving individual, face-to-face and group role play; participant enrolment, leader-in-role and intervention; identification with role; negotiation, devising and consequent decision-making; dramatic tension and resolution; structuring for the theme and for the dramatic moment; distancing devices; reflection, re-enactment and remaking.
  **Courses:** AA21, ED50, IF76
  **Credit Points:** 12
  **Contact Hours:** 3 per week

- **AAB233 VOICE & MOVEMENT 3**
  This unit moves from naturalism to the area of heightened language. Focus is on the technical devices of Shakespearean text. Work developed will be performed both on the stage and for camera.
  **Courses:** AA21
  **Prerequisites:** AAB205
  **Credit Points:** 12
  **Contact Hours:** 6 per week

- **AAB234 VOICE & MOVEMENT 4**
  Development of a vocal and physical technique that supports and serves the professional performer. Advanced classes in physical theatre will develop physical expressiveness, clarity and strength. Advanced studio work continues development in film and television techniques.
  **Courses:** AA21
  **Prerequisites:** AAB233
  **Credit Points:** 12
  **Contact Hours:** 6 per week

- **AAB235 VOICE & MOVEMENT 5**
  Application of acting skills involving voice and movement is consolidated in production situations. Students are prepared for auditions for directors and agents.
  **Courses:** AA21
  **Prerequisites:** AAB234
  **Credit Points:** 12
  **Contact Hours:** 6 per week

- **AAB247 ACTING 3**
  Designated unit. Exploration of non-naturalistic style of text and performance. Development of more specific acting skills and deeper textual understanding necessary to perform Shakespearean text, on the stage and for film and television.
  **Courses:** AA21
  **Prerequisites:** AAB235
  **Credit Points:** 12
  **Contact Hours:** 21 per week

- **AAB248 ACTING 4**
  Designated unit. Advanced unit dealing with role, character creation and playing a range of theatrical styles. Professional text preparation, rehearsal management and audition techniques.
  **Courses:** AA21
  **Prerequisites:** AAB247
  **Credit Points:** 12
  **Contact Hours:** 20 per week

- **AAB251 STUDIES IN THEATRE HISTORY 1**
  The first in a series of three Theatre History units, this examines the three major theatre movements: Realism, Epic Theatre and Theatre of the Avant Garde.
  **Courses:** AA21, IF76
  **Credit Points:** 12
  **Contact Hours:** 3 per week

- **AAB252 STUDIES IN THEATRE HISTORY 2**
  Explores theatre genres where structure has played a major role. Heightened and stylised language, music theatre, spectacle and multimedia.
  **Courses:** AA21
  **Credit Points:** 12
  **Contact Hours:** 3 per week

- **AAB253 STUDIES IN THEATRE HISTORY 3**
  Draws on the understandings developed in the previous Theatre History units and relates them to the development of Australian performance idioms. Indigenous Australian performance; post-colonial and intercultural drama; fusing traditional and contemporary form to create Australian content for the global market.
  **Courses:** AA21
  **Credit Points:** 12
  **Contact Hours:** 3 per week

- **AAB254 MUSIC & DANCE**
  Origins of music, music and the body, rhythm, ear training. Periods and styles of music and improvisation. Individual vocal coaching in preparation for performance. Posture and alignment of the body, introduction to basic technical principles in traditional and contemporary dance technique and dance sequences (year-long unit).
  **Courses:** AA21
  **Prerequisites:** AAB205 or by audition
  **Credit Points:** 24
  **Contact Hours:** 3 per week
■ AAB255 THEATRE PRODUCTION 1
Students participate in a season of semi-profiled performance projects. Acting students working as an ensemble perform in roles for video and theatre. Technical students work in a range of organisation and technical roles.
Courses: AA21 Prerequisites: AAB248 or AAB294
Credit Points: 24

■ AAB256 THEATRE PRODUCTION 2
Students participate in a season of profiled performance projects. The season gives the students the opportunity to demonstrate their skills to potential employers in the industry.
Courses: AA21 Prerequisites: AAB248 or AAB294
Credit Points: 36

■ AAB257 ACTING STUDIES 1
Students are introduced to the work of Stanislavski and a number of his key interpreters including Cohen, Benedetti, Hagen, Adler and Moore. A range of acting styles is explored including an examination of Brecht’s theories of performance.
Courses: AA21, IF76
Credit Points: 12 Contact Hours: 3 per week

■ AAB258 ACTING STUDIES 2
Introduction to methods of script analysis and style analysis appropriate for a practical exploration of Shakespearean play texts. Students explore and rehearse selected scenes from a number of Shakespeare’s plays.
Courses: AA21, IF76
Credit Points: 12 Contact Hours: 3 per week

■ AAB259 THE PERFORMANCE INSTRUMENT: BODY & VOICE
Understanding vocal and physical patterns; application of integrated approach to body and voice in personal expression.
Courses: AA21, IF76
Credit Points: 12 Contact Hours: 4 per week

■ AAB266 ARTS EVENTS PLANNING
Researching and producing either strategic, operational or human resource management plans; confronting practical and philosophical issues in arts planning.
Courses: AA21
Credit Points: 12 Contact Hours: 3 per week

■ AAB271 STUDIES IN DIRECTING
History of the development of the role of the director; theoretical study of key major directors in West European tradition as well as key Australian directors. Practical work includes rehearsal techniques and problem-solving exercises.
Courses: AA21
Credit Points: 12 Contact Hours: 3 per week

■ AAB272 DRAMA & COMMUNITY CULTURAL DEVELOPMENT
Examination of drama’s role in the life of the Australian community. Interrogation of the concepts of community, culture and development; cultural development and its relationship to art and the new technologies.
Courses: AA21, IF76
Credit Points: 12 Contact Hours: 3 per week

■ AAB273 PERFORMANCE
Introduction to a clearly defined rehearsal ethic through extended performance project. Text analysis, formal group discussion, role creation and rehearsal, live performance of a scripted drama before an audience.
Courses: AA21, IF76 Prerequisites: AAB202
Credit Points: 12

■ AAB274 THEATRECRAFT
Development of practical skills in workshop construction and pre-production areas of stage scenery, props and costumes.
Courses: AA21
Credit Points: 12 Contact Hours: 6 per week

■ AAB275 READING PERFORMANCE
Theories of analysis; script to performance, semiotics, hermeneutics, reception studies, anthropology, phenomenology; theatrical actions and reactions, feminist studies. Objects of analysis include the classics, video/film, musicals, dance theatre, installations, stand-up comedy, opera, hybrid art forms and street theatre.
Courses: AA21
Credit Points: 12 Contact Hours: 3 per week

■ AAB276 VISUAL THEATRE-DESIGN
Role of visual expression in theatrical events; elements of space; approaches to researching design elements; bearing of text and resources on events; Western and Eastern influences.
Courses: AA21
Credit Points: 12 Contact Hours: 3 per week

■ AAB277 PHYSICAL THEATRE
Exercises and improvisation relating to physical performance; skills in circus, street theatre, popular theatre and acrobatic techniques. The practical components are contextualised by readings and discussions of the work of physical theatre exponents.
Courses: AA21 Prerequisites: audition/interview
Credit Points: 12 Contact Hours: 3 per week

■ AAB278 TECHNICAL THEATRE
Introductory technical knowledge and skills in theatrical lighting and sound operation necessary to stage a production in a small theatre with a minimum of support staff.
Courses: AA21
Credit Points: 12 Contact Hours: 3 per week

■ AAB280 DRAMA AS SOCIAL ACTION
Combination of practical and theoretical investigation into the process of improvisation and the way drama can be used as a tool for critical enquiry and social change. Provides basis for further work in writing for performance and advanced improvisational skills.
Courses: AA21, ED22, ED50, IF76 Prerequisites: AAB214
Credit Points: 12 Contact Hours: 3 per week

■ AAB289 TECHNICAL PRODUCTION 1
Development of basic skills in theatrical lighting and sound operation and their integration into the overall production process.
Courses: AA21 Prerequisites: AAB202
Credit Points: 12 Contact Hours: 6 per week

■ AAB290 TECHNICAL PRODUCTION 2
Continuation of creative use of lighting and sound in performances. Introduction to lighting and sound design.
Courses: AA21 Prerequisites: AAB289
Credit Points: 12 Contact Hours: 6 per week

■ AAB291 TECHNICAL PRODUCTION 3
Broadening of skills base in areas of lighting and sound into drama, contemporary dance, ballet, opera, musicals, concerts and television productions.
Courses: AA21 Prerequisites: AAB290
Credit Points: 12 Contact Hours: 21 per week

■ AAB292 STAGE & TECHNICAL MANAGEMENT 1
Introduction to coordination of a live theatre production including theatre layout and terminology, role of the stage manager, duties and responsibilities from pre-rehearsal to close of season, communication procedures, rehearsal room procedures.
Courses: AA21
Credit Points: 12 Contact Hours: 4 per week

■ AAB293 STAGE & TECHNICAL MANAGEMENT 2
Introduction to the management issues in areas of stage mechanics, flying, props and wardrobe and preparation of students to undertake performance crew roles in these departments.
Courses: AA21 Prerequisites: AAB292
Credit Points: 12 Contact Hours: 4 per week

■ AAB294 STAGE & TECHNICAL MANAGEMENT 3
Broadening the skills base for stage managers into opera,
ballet, modern dance, concerts and television, including the responsibilities of production management.

Courses: AA21
Prerequisites: AAB293
Credit Points: 12
Contact Hours: 4 per week

■ AAB304 FORMING KNOWLEDGE
The approaches to art taken by major aestheticians; the characteristics and significance of the aesthetic field; the way the arts contribute to the development of mind and knowledge; modes of knowing, propositional knowledge and tacit understanding.
Courses: AA21, ED50, IF76
Credit Points: 12
Contact Hours: 3 per week

■ AAB306 DIRECTING FOR THEATRE
Analysis of the director’s role in production management including play selection, resource auditing, pre-production analyses, time, budget and resource planning, design, technical effects, promotion and publicity and the responsibilities of health, safety and ethical issues.
Courses: AA21
Credit Points: 12
Contact Hours: 3 per week

■ AAB307 WRITING FOR PERFORMANCE
Approaches to the creative process of writing text for drama. The principal standpoint adopted is that of the writer but there is a secondary focus on script development from the point of view of the dramaturg. Both roles are considered in the working environment of Australian writers of drama. Most of the writing generated by students will be for the stage; but those who can demonstrate background in other media may be permitted to apply the principles and skills of dramatic writing in that context.
Courses: AA21
Credit Points: 12
Contact Hours: 4 per week

■ AAB410 ART CURRICULUM DESIGN & DEVELOPMENT
Major art curriculum approaches as found in the literature and a variety of art syllabus support documents. Analysis of art curriculum planning models; design and development of art programs for schools; production of art resources to support curriculum.
Courses: ED26
Credit Points: 12
Contact Hours: 3 per week

■ AAB411 DRAMA ACROSS THE CURRICULUM
Process models of drama applied to curriculum; drama methods, dramatic contexts and power in the classroom; content analysis and planning; implementation of lesson sequence based on dramatic action; preparation of curriculum materials. Compulsory study school for external students.
Courses: ED26
Credit Points: 12
Contact Hours: 3 per week

■ AAB412 ART CURRICULUM STUDIES 1
Students develop planning and teaching skills in selected curriculum areas. Content includes: the nature of the curriculum area/discipline; its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
Courses: ED50, ED54, IF76
Prerequisites: 48 credit points in each relevant discipline area
Credit Points: 12
Contact Hours: 3 per week

■ AAB413 ART CURRICULUM STUDIES 2
Extends AAB412; curriculum development within the context of contemporary policies, frameworks and agencies; principles of measurement, assessment and evaluation; teaching and learning strategies; directions in curriculum development.
Courses: ED50, ED54, IF76
Prerequisites: AAB412
Credit Points: 12
Contact Hours: 3 per week

■ AAB414 DRAMA CURRICULUM STUDIES 1
Students develop planning and teaching skills in selected curriculum areas; the nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
Courses: ED50, ED54, IF76
Prerequisites: 48 credit points in each relevant discipline area
Credit Points: 12
Contact Hours: 3 per week

■ AAB415 DRAMA CURRICULUM STUDIES 2
Extends AAB414; curriculum development within the context of contemporary policies, frameworks and agencies; principles of measurement, assessment and evaluation; teaching and learning strategies; directions in curriculum development.
Courses: ED50, ED54, IF76
Prerequisites: AAB414
Credit Points: 12
Contact Hours: 3 per week

■ AAB421 FOUNDATION ART STUDIES
Participation in the process of solving broad-ranging visual problems through developing ideas, recording information and forming solutions to visual problems; seeks to develop genuine enquiry and the attainment of appropriate levels of competence of techniques, materials and resources to bring ideas to fruition.
Courses: ED50
Credit Points: 12
Contact Hours: 4 per week

■ AAB447 DRAWING
Examination of established systems of drawing by historical reference and exploration of materials; methods by which shape and volume can be determined by drawing techniques; the line as a means of expression and communication; methods and techniques for creating solid form by the use of various media; perspective; rendering; perceptual organisation and expressive effects; use of drawing for teachers who require visual expression and delineation within their areas.
Courses: AA71, ED22, ED26, ED50
Credit Points: 12
Contact Hours: 3 per week

■ AAB449 EDUCATIONAL DRAMA
Not offered in 1997. Practical introduction to educational drama techniques; teacher-in-role, enrolment of students, dramatic exercises, analogies, simulations; fieldwork project; planning, teaching and evaluating a simple program. Incompatible with tertiary studies in drama or substantial experience in teaching drama.
Courses: ED26
Credit Points: 12
Contact Hours: 3 per week

■ AAB455 COMPUTER GRAPHICS
An introduction to 2D and 3D image generation, manipulation and output through the critical study of systems, software, procedures and applications. Students develop a core understanding of the current characteristics and potentialities embedded in the technology.
Courses: AA71, ED22, ED26, ED5
Credit Points: 12
Contact Hours: 3 per week

■ AAB457 SCULPTURE
Students will be expected to observe, question and explore issues to reach solutions that will reflect an individual imagination. Knowledge and skills that apply to sculpture will be pursued.
Courses: AA71, ED22, ED26, ED50, ED51, ED52
Credit Points: 12
Contact Hours: 3 per week

■ AAB601 MUSICIANSHIP 1
Reading skills acquired by the study of material in a variety of harmonic contexts. Keyboard skills; extension of existing skills by application of scales, intervals, chord formation in sight reading, accompanying and improvisation at the keyboard (year-long unit).
Courses: AA51, IF77
Credit Points: 12
Contact Hours: 5 per week

■ AAB602 MUSICIANSHIP 2
Continuation of AAB601 with emphasis on developing a heightened awareness of the musical structure, organisation and quality of sound (year-long unit).
Courses: AA51, IF77
Prerequisites: A grade of 4 or above in AAB601
Credit Points: 12
Contact Hours: 5 per week

■ AAB604 WRITING TECHNIQUES 1
A focus on diatonic harmony using written exercises and original compositions. Content includes melody writing, four-part vocal cadences, short pieces for piano, cycle of fifths and chorales, introductory jazz harmony and the use of computers for music writing (year-long unit).
Courses: AA51, IF77
Credit Points: 12
Contact Hours: 2 per week

■ AAB605 WRITING TECHNIQUES 2
A focus on chromatic harmony and twentieth-century techniques through written exercises and original composition (year-long unit).
Courses: AA51, IF77
Prerequisites: A grade of 4 or above in AAB604
Credit Points: 12
Contact Hours: 2 per week

■ AAB606 PRINCIPAL STUDIES 1
Designated unit. Development of strong and reliable technique on a chief practical instrument, voice or composition. Analysis, interpretation and performance skills and appropriate public presentation in performance. Improvisation (Jazz and Popular Music students only) (year-long unit).
Courses: AA51, IF77
Credit Points: 24
Contact Hours: 4 per week

■ AAB607 PRINCIPAL STUDIES 2
Designated unit. The study of a range of solo repertoire on a chief practical instrument or voice, or the study of a range of compositional practices and methods. Repertoire is chosen appropriate to the students’ developing technical and interpretative skills; performance seminar, concerts and directed ensemble. Improvisation (Jazz and Popular Music students only) (year-long unit).
Courses: AA51, IF77
Prerequisites: A grade of 4 or above in AAB606
Credit Points: 24
Contact Hours: 4 per week

■ AAB608 PRINCIPAL STUDIES 3
Consolidation and extension of studies leading to a solo public recital in semester two. Performance seminar, directed ensemble and concert attendance. Improvisation (Jazz and Popular Music students only) (year-long unit).
Courses: AA51, IF77
Prerequisites: A grade of 4 or above in AAB607
Credit Points: 24
Contact Hours: 4 per week

■ AAB611 MUSIC FROM 1600 TO 1750
Music Literature and Analysis: study of the history and stylistic development of late Renaissance, Baroque and Early Classical music in its social and cultural context; analytical studies of a range of representative works dealing with stylistic characteristics and compositional processes.
Courses: AA51, IF77
Credit Points: 12
Contact Hours: 3 per week

■ AAB612 MUSIC FROM 1750 TO 1900
Music Literature and Analysis: study of the history and stylistic development of Classical and Romantic music in its social and cultural context; analytical studies of a range of representative works dealing with stylistic characteristics and compositional processes.
Courses: AA51, IF77
Prerequisites: AAB611
Credit Points: 12
Contact Hours: 3 per week

■ AAB613 MUSIC FROM 1900 TO 1950
Music Literature and Analysis: historical overview of the various major styles of twentieth-century music with major emphasis on Debussy, the Second Viennese School, Bartok and Stravinsky; analysis of selected key works of the period.
Courses: AA51, IF77
Prerequisites: AAB612
Credit Points: 12
Contact Hours: 3 per week

■ AAB614 MUSIC FROM 1950 TO PRESENT DAY
Music Literature and Analysis: listening, analysis and study of the music of composers representing a broad international spectrum of the major styles of the period.
Courses: AA51, IF77
Prerequisites: AAB613
Credit Points: 12
Contact Hours: 3 per week

■ AAB616 ENSEMBLE 1
Students experience the cooperative interaction of music making as a participant in large ensembles, chamber music or small combo activity. (Year-long unit available only with the approval of Unit Coordinator.)
Courses: AA51, IF77
Credit Points: 12
Contact Hours: 4 per week

■ AAB617 CHORAL & INSTRUMENTAL ARRANGING
Development of arranging skills for instrumental/choral ensembles using music of various styles.
Courses: AA51, IF77
Prerequisites: AAB630
Credit Points: 12
Contact Hours: 3 per week

■ AAB618 COMPOSITION FOR FILM & TELEVISION
Continuation of the development of computer sequencing and compositional skills. Incorporates a shift in focus towards film and video time coding, film analysis and visual and thematic coding.
Courses: AA51, IF77
Contact Hours: 2 per week

■ AAB619 INTRODUCTION TO MUSIC TECHNOLOGY
Introduces students to a wide range of options available to the musician in the age of technology. Through the universal electronic language of MIDI students explore sequencers as a tool for composition.
Courses: AA51, IF77
Prerequisites: AAB619
Credit Points: 12
Contact Hours: 3 per week

■ AAB620 INTRODUCTION TO POPULAR SONG COMPOSITION
Continues the development of MIDI sequencing skills while the focus moves from the technology itself to the application of skills in the area of Popular Music Composition and Arrangement.
Courses: AA51, IF77
Prerequisites: A grade of 4 or above in AAB619
Credit Points: 12
Contact Hours: 3 per week

■ AAB621 STUDIO RECORDING TECHNIQUES
Study of basic acoustics, recording procedures and equipment, critical analysis and discussion of recordings, recording projects involving a variety of ensembles.
Courses: AA51, IF77
Credit Points: 12
Contact Hours: 3 per week

■ AAB622 SECOND STUDY 1
Widens the base of students’ practical skills through the study of a second instrument or voice. (Students normally choose an instrument closely related to that of their Principal Study.) (Year-long unit available only to AA51 students only.)
Courses: AA51, IF77
Credit Points: 12
Contact Hours: 1 per week

■ AAB623 CHORAL CONDUCTING
Introduces students to a wide range of choral music and styles and assists them to achieve artistic objectives in music performance through conducting workshop activities including practical conducting, stylistic practices, repertoire and rehearsal and performance techniques.
Courses: AA51, IF77
Prerequisites: A grade of 4 or above in AAB604
Credit Points: 12
Contact Hours: 3 per week

■ AAB624 COMPUTER MUSIC
Introduces students to algorithmic composition, interactive composition and performance, sound synthesis, contemporary compositional techniques, computer performance interfaces and live performance practices in computer music.
Courses: AA51, IF77
Credit Points: A grade of 4 or above in AAB619
Credit Points: 12

AAB625 INSTRUMENTAL CONDUCTING
Introduces students to a wide range of instrumental works and styles and assists them to achieve artistic objectives in music performance through conducting workshop activities including practical conducting, score preparation and rehearsal techniques.
Courses: AA51, IF77
Prerequisites: A grade of 4 or above in AAB601 and AAB604
Credit Points: 12

AAB626 MUSIC & SOUND FOR MULTIMEDIA
This unit deals with computer-assisted music composition, the role of music in non-linear structures, the effect and affect of sound in multimedia productions, sound effects and Foley techniques, introductory multimedia authoring, musical acoustics and digital sound theory.
Courses: AA51, AA81, IF77
Credit Points: 12

AAB627 STUDIO MUSIC TEACHING
This unit is designed to give students a structured approach to the teaching of their craft in the studio and to investigate and develop those pedagogical skills and personal attributes necessary to become successful teachers.
Courses: AA51, IF77
Prerequisites: AAB606 or equivalent
Credit Points: 12

AAB628 SECOND STUDY 2
Continues the development of students’ practical skills through the study of a second instrument or voice. (Students normally choose an instrument closely related to that of their Principal Study.) (Year-long unit available to AA51 students only.)
Courses: AA51, IF77
Prerequisites: AAB622
Credit Points: 12

AAB629 ENSEMBLE 2
Further development of the cooperative interaction of music making by participating in large ensembles, chamber music or small combo activity. (Year-long unit available only with the approval of Unit Coordinator.)
Courses: AA51, IF77
Prerequisites: AAB616
Credit Points: 12

AAB630 ORCHESTRATION
Basic skills in scoring for instruments which comprise the membership of banks, orchestras and smaller ensembles.
Courses: AA51, IF77
Credit Points: 12

AAB701 MODERNISM
An examination of the concepts and movements that comprise twentieth-century modernism. Key themes such as avant-garde, modernism and modernity will be explored in detail, especially in relation to the theory and practice of avant-garde modernism.
Courses: AA71, ED50, IF78
Credit Points: 12

AAB712 CONTEMPORARY ART ISSUES
Current practices in the visual arts are addressed by analysing and interpreting original works on exhibition, in stockrooms and in studios. By means of lectures, discussions and analysis of artworks and readings, the individual’s awareness of the conceptual, historical and philosophical contexts concerning artists and the artworks is heightened.
Courses: AA71, ED26, ED50
Credit Points: 12

AAB726 INTRODUCTION TO ART HISTORY
Students are introduced to the basic thematics in the discipline of art history. Topics include approaches to art history; art as a symbolic object; art as commodity; the audiences for art; iconography, feminism and art history; semiotics; criticism and art history.
Courses: AA71, IF78
Prerequisites: ATB100
Credit Points: 12

AAB740 FOUNDATION ART PRACTICE 1
Designated unit. Development of a self-responsible art practice; fostering of appropriate research skills; encouragement of open flexible independent approach to formulating resolutions to conceptual and visual concerns; development of safe workshop practices, safe studio work habits and appropriate professional skills.
Courses: AA71, IF78
Credit Points: 24

AAB741 FOUNDATION ART PRACTICE 2
Designated unit. Further development of a self-responsible art practice; expansion of appropriate research skills; broadening of open flexible independent approach to formulating resolutions to conceptual and visual concerns; increased knowledge of safe workshop practices, safe studio work habits and appropriate professional skills.
Courses: AA71, IF78
Credit Points: 24

AAB742 STUDIO ART PRACTICE 1
Designated unit. In consultation with studio staff, students formulate a program of work for the semester which allows students to investigate their own personal artistic direction, formulate and develop self-generated enquiry and acquire working methods, resources, skills and knowledge necessary to realise concepts.
Courses: AA71, IF78
Prerequisites: AAB741
Credit Points: 12

AAB743 STUDIO ART PRACTICE 2
Designated Unit. In consultation with relevant staff, students should develop a program of studio work which builds on the previous semester's studies and sets appropriate goals for this semester. A more rigorous questioning of concept and artefact is required.
Courses: AA71, IF78
Prerequisites: AAB742
Credit Points: 12

AAB744 STUDIO ART PRACTICE 3
Studies commenced in year two are built on and developed through sustained studio practice and independent research at an appropriately advanced level.
Courses: AA71
Prerequisites: AAB743
Credit Points: 12

AAB745 STUDIO ART PRACTICE 4
Further development of studio work culminating in a graduating exhibition.
Courses: AA71
Prerequisites: AAB744
Credit Points: 12

AAB751 EXTENDED STUDIO PRACTICE 1
Extension of practical studio units of core media studies or elective studio units. (Note: contract approval by the Unit Coordinator is required.)
Courses: AA71, AA81, ED22, ED26, ED50, ED51, ED52
Credit Points: 12

AAB752 EXTENDED STUDIO PRACTICE 2
Extension of practice studio units or core media studies or elective studio units.
Courses: AA71, AA81, ED22, ED26, ED50
Credit Points: 12

AAB753 EXTENDED STUDIO PRACTICE 3
Extension of practice studio units or core media studies or elective studio units.
Courses: AA71, AA81
Credit Points: 24

AAB754 EXTENDED STUDIO PRACTICE 4
Extension of practice studio units or core media studies or elective studio units.
Courses: AA71, AA81
Credit Points: 24

AAB801 FOUNDATIONS OF COMMUNICATION DESIGN 1
Visual design and its application in communication; explo-
ration of fundamental human interface and graphic concepts; overview of media and variety of design practices.

Courses: AA81
Credit Points: 12
Contact Hours: 3 per week

AA802 FOUNDATIONS OF COMMUNICATION DESIGN 2
Design priorities/alternatives, interpretation of ideas, representation in visual systems, refinement of concepts, problem solving through presentation of models.

Courses: AA801
Prerequisites: AA801
Credit Points: 12
Contact Hours: 3 per week

AA803 DESIGN STUDIO 1
Digital Video. This unit provides an introduction to analog video production and video technology, and non-linear video editing and multimedia integration techniques. Hardware and software packages include Media100, Adobe After Effects and Adobe Premiere.

Courses: AA801
Credit Points: 12
Contact Hours: 3 per week

AA804 DESIGN STUDIO 2
Advanced Visualization. This unit covers 3-D modeling and animation concepts including high-end computer visualization.

Courses: AA801
Credit Points: 12
Contact Hours: 3 per week

AA805 DESIGN STUDIO 3
Advanced Interactivity. This unit covers Intermediate and advanced interactive programming using Macromedia Director Lingo. It includes an introduction to digital video and audio, and an introduction to CD-ROM Production.

Courses: AA801
Credit Points: 12
Contact Hours: 3 per week

AA806 DESIGN STUDIO 4
Major Project Seminar. This unit is primarily a peer-critique forum for students working on their own final projects for the course. It also covers media and network technology Infrastructure, and advanced network and CD-ROM production techniques. An end-of-year student exhibition showcases the final works.

Courses: AA801
Credit Points: 12
Contact Hours: 3 per week

AA807 MEDIA TECHNOLOGY 1
Graphics and Visual Design. Introduction to visual design and illustration using the computer. Software packages include Adobe Illustrator and Adobe Photoshop and an introductory uses of HTML (Web pages) applications.

Courses: AA801
Credit Points: 12
Contact Hours: 3 per week

AA808 MEDIA TECHNOLOGY 2
Interactive Design and Computer Programming. In this unit students use Apple’s HyperCard to explore graphical interface design for the computer screens, and computer programming with scripting languages.

Courses: AA801
Credit Points: 12
Contact Hours: 3 per week

AA809 MEDIA TECHNOLOGY 3
Motion Graphics. This unit provides an introduction to computer animation and includes advanced software design and advanced visual design productions. Software packages include Macromedia Director and Adobe Photoshop.

Courses: AA801
Credit Points: 12
Contact Hours: 3 per week

AA810 MEDIA TECHNOLOGY 4
C Programming for Non-Programmers. This unit provides experience with advance computer programming and programming languages including C programming, Java scripting, and extending authoring packages with XCMDs and XOBJs.

Courses: AA801
Credit Points: 12
Contact Hours: 3 per week

AA813 CONTEMPORARY ISSUES IN MEDIA TECHNOLOGY & COMMUNICATION DESIGN
Lectures and seminars by guest lecturers which address contemporary issues in media technology and communication design.

Courses: AA801
Credit Points: 12

AA814 APPLICATIONS OF DESIGN TECHNOLOGY
An introductory unit for first year students which covers industry trends, introduction to concept-to-product processes, introduction to project management, and advanced writing techniques. It includes 3 lectures and tutorial sessions on History of Design and Media Technology. Assessed works are made in Adobe PageMaker and Intermediate HTML projects.

Courses: AA801
Credit Points: 12
Contact Hours: 3 per week

AA815 EXPERIMENTAL MULTIMEDIA
Students create custom input devices, explore low level computer programming and examine the more esoteric graphic devices used in productions such as computer games, animation for film and music technology. Fine Arts issues are emphasised. Students are required to produce a final project which is exhibited at the end of semester.

Courses: AA801

AA816 WRITING FOR INTERACTIVITY
Creative writing skills appropriate to the non-linear CD-ROM and Internet technologies. The relationships between the role of a traditional writer and those of a technical director, creative director, visual designers and artists and programmers are explored. The impacts of writing and concept development on the process of developing technical, creative and production specifications are also examined.

Courses: AA801

AA817 SOFTWARE DEVELOPMENT & PROJECT MANAGEMENT
Proposal and grant writing techniques and budget preparation; project tracking mechanisms and expense reporting; examination of concept-to-product processes; managing inter-disciplinary and creative teams required by multimedia productions.

Courses: AA801

AA818 INTRODUCTION TO MULTIMEDIA TECHNOLOGY (IMT)
Basic HTML, graphics and design with Adobe Photoshop, animation with Macromedia Director, programming with Lingo, 3-D modeling and animation basics and advanced HTML with Shockwave, Quicktime and Java.

Courses: AA801

AA911 EXPLORING MUSIC 1
Aural awareness, literacy and musicianship through vocal skills, both solo and ensemble.

Courses: ED51
Credit Points: 12
Contact Hours: 3 per week

AA912 EXPLORING MUSIC 2
Instrumental music forms with emphasis on recorder ensembles as a means of developing composition and arranging skills, and an awareness of stylistic developments. Conducting, rehearsing and performing techniques will be developed.

Courses: ED51
Prerequisites: AA911
Credit Points: 12
Contact Hours: 3 per week

AA913 EXPLORING MUSIC 3
This unit involves a series of lectures on score reading, sight-singing, ensemble singing techniques, rehearsal and conducting skills. Aural training, music writing techniques and music technology skills are developed.

Courses: ED51
Prerequisites: AA912
Credit Points: 12
Contact Hours: 3 per week

AA914 VISUAL & PERFORMING ARTS CURRICULUM 1
An in-depth study of either dance and drama, music or the...
visual arts; the place of the arts in a balanced curriculum; defin- ing the arts; differences and commonalities; the arts and knowledge; the arts and integration across the primary cur- riculum.

Courses: ED51  
Credit Points: 12  
Contact Hours: 3 per week

■ AAB915 VISUAL & PERFORMING ARTS CURRICULUM 2  
An in-depth study of dance and drama, music or the visual arts; the place of the arts in a balanced curriculum; resourcing the arts; assessment and the arts; the arts and students with special needs; artists and education; the arts in a multicultural society.

Courses: ED51  
Credit Points: 12  
Contact Hours: 3 per week

■ AAB916 ADVANCED VISUAL & PERFORMING ARTS CURRICULUM  
The curriculum of dance, drama, music or visual arts to an advanced level; designing and implementing programs in one of the disciplines for the primary school; action research in the classroom to monitor and evaluate an arts curriculum project.

Courses: ED51  
Credit Points: 12  
Contact Hours: 3 per week

■ AAB917 THE ARTS & THE WHOLE CURRICULUM  
Using the arts in the primary school to integrate and synthe- size cultural and historical movements, facts and values; models for planning and delivering an integrated curriculum driven by arts processes; forming multi-disciplinary teams to design, implement and evaluate a curriculum project in schools.

Courses: ED51  
Credit Points: 12  
Contact Hours: 3 per week

■ AAB918 ARTS FOUNDATION STUDIES  
Foundation experiences introducing the art forms of dance, drama, music and the visual arts; the purposes and functions of the arts in society; practical workshops in each discipline; visits to galleries and theatres in a range of community contexts.

Courses: ED43, ED51, ED52  
Credit Points: 12  
Contact Hours: 3 per week

■ AAN001 ARTS RESEARCH METHODS 1  
Research in the arts; defining the research tradition; qualitative research; emerging arts research processes; reporting of research findings.

Courses: AT22  
Credit Points: 12  
Contact Hours: 3 per week

■ AAN003 AESTHETIC CODES IN CONTEMPORARY SOCIETY  
Theories of art within the discipline of aesthetics. Five key questions are addressed, against a background of contempo- rary Western society.

Courses: AA24, AT22  
Credit Points: 12  
Contact Hours: 3 per week

■ AAN004 GRADUATE SEMINAR  
A seminar series for Honours and Masters students involving presentations by guests; in addition, staff discuss current re- search interests, and students report on issues arising in their own thesis work.

Courses: AT22  
Credit Points: 12  
Contact Hours: 3 per week

■ AAN006 INDEPENDENT STUDY  
Independent work of an artistic or scholarly nature which is of limited scope compared with the research project. The stu- dent devises an outline of study and/or action in consultation with a staff supervisor. Artistic outcomes would normally be expected to be to the standard of public showing. Written pres- entation requires a minimum of 6 000-10 000 words, or equiva- lent if other media/reportage is used.

Courses: AA24  
Credit Points: 12

■ AAN011 ADVANCED PROFESSIONAL PRACTICE 1  
An investigation of the student’s professional practice through observation and research in consultation with the supervisor.

Courses: AA24  
Credit Points: 12

■ AAN012 ADVANCED PROFESSIONAL PRACTICE 2  
Extension and elaboration of the student’s professional prac- tice through evaluation and analysis in consultation with the supervisor.

Courses: AA24  
Credit Points: 12

■ AAN014 DISCIPLINE STUDY  
Working with other students from their home discipline this unit investigates issues of theory and practice in the visual and performing arts. It will address immediate problems of professional practice and the reflexive relationship between theory and practice.

Courses: AA24  
Credit Points: 12

■ AAN015 THE ARTS ENVIRONMENT  
Analysis of the complex and changing world of the arts in Australia. Consideration of the cultural, political and economic contexts of arts decision making and practice.

Courses: AA24  
Credit Points: 12

■ AAN016 FRAMEWORKS FOR PERFORMANCE  
This unit addresses issues in interpretation for the musical performer. Students will examine models and frameworks of interpretation with particular reference to their principal instru- ment.

Courses: AA24  
Credit Points: 12

■ AAN200 DRAMATURGY  
An investigation of the role of the dramaturge in Western cul- tures, particularly the emerging role of the dramaturge in Aus- tralian theatre; the methodologies of the dramaturge, the cri- teria used for script assessment, and a comparative study of the role of the script editor/story editor in the screen writing industry.

Courses: AA24, AA40  
Credit Points: 12  
Contact Hours: 2 per week

■ AAN202 TEXTUAL ANALYSIS  
Analysis of a variety of cultural products selected from a cross- section of contexts, genre and media; an introduction to some of the major theoretical issues and concerns underlying contem- porary developments in the fields of cultural analysis and literary criticism.

Courses: AA24, AA40  
Credit Points: 12  
Contact Hours: 2 per week

■ AAP421 DANCE CURRICULUM STUDIES 1  
Provides a theoretical context and considers practical applica- tions in curriculum planning and teaching and learning strat- egies; examines the roles of the teacher in the community and the profession.

Courses: ED32, ED37, IF75  
Corequisites: EDP451  
Prerequisites: AAP420  
Credit Points: 12  
Contact Hours: 3 per week

■ AAP422 DRAMA CURRICULUM STUDIES 1  
See AAP421.

Courses: ED32, ED37  
Corequisites: EDP451  
Prerequisites: AAP420  
Credit Points: 12  
Contact Hours: 3 per week

■ AAP423 MUSIC CURRICULUM STUDIES 1  
See AAP421.

Courses: ED32, ED37, IF78  
Corequisites: EDP451  
Prerequisites: AAP420  
Credit Points: 12  
Contact Hours: 3 per week

■ AAP424 VISUAL ARTS CURRICULUM STUDIES 1  
See AAP421.

Courses: ED32, ED37  
Corequisites: EDP451  
Prerequisites: AAP420  
Credit Points: 12  
Contact Hours: 3 per week
AAP429 DANCE CURRICULUM STUDIES 2
Development of understanding and skills for learning; assessment issues and techniques; philosophical concepts relevant to dance education.
Courses: ED37, IF75
Credit Points: 12
Contact Hours: 3 per week

AAP430 DRAMA CURRICULUM STUDIES 2
Advanced practical applications in assessment, curriculum planning and teaching/learning strategies in the relevant visual and performing arts area.
Courses: ED32, ED37
Credit Points: 12
Corequisites: EDP451
Contact Hours: 3 per week

AAP431 MUSIC CURRICULUM STUDIES 2
See AAP430.
Courses: ED32, ED37, IF78
Credit Points: 12
Corequisites: EDP451
Contact Hours: 3 per week

AAP432 VISUAL ARTS CURRICULUM STUDIES 2
See AAP430.
Courses: ED32, ED37
Credit Points: 12
Corequisites: EDP451
Contact Hours: 3 per week

AAP433 MUSIC CURRICULUM STUDIES 2A
Extension studies in methods of teaching and curricula relevant to specialist teachers of instrumental, secondary or primary music.
Courses: ED37, IF78
Prerequisites: AAP428
Credit Points: 12
Contact Hours: 3 per week

AAP434 MUSIC CURRICULUM STUDIES 1A
A specialist extension study in curriculum for students planning a career as a primary, secondary or instrumental music specialist in schools; materials and appropriate methods of teaching related to music in the wider school curriculum outside the classroom.
Courses: ED37, IF78
Credit Points: 12

AAP501 ART CURRICULUM FOUNDATIONS
The aims, content and agenda of historical and contemporary art education orientations; assumptions by movements in relation to art theories, child development, teacher’s role and classroom practice; investigation of strengths and weaknesses, theory and practice and historical, social and intellectual influence on past and present art education philosophies.
Courses: ED22, ED26
Credit Points: 12
Contact Hours: 3 per week

AAP502 ART EDUCATION PROGRAM DESIGN & PRACTICE
Design and implementation of defensible art education programs at broad and specific school levels; the learning outcomes of art activities; classroom practice and evaluation across all levels of schooling.
Courses: ED22, ED26, ED51
Prerequisites: AAP501
Credit Points: 12
Contact Hours: 3 per week

AAP503 CLAY MATERIALS
Develop ceramic knowledge, artistic concepts and practical/technical skills; investigation of selected historical ceramic eras; understanding of the relationship between ceramics and the maker’s culture; development of personal imagery and design.
Courses: ED22, ED26, ED50, ED51, AA71
Credit Points: 12
Contact Hours: 3 per week

AAP505 FIBRE
Historical and contemporary textile media; development of technical and conceptual textile knowledge; utilisation of fibre/textile materials and processes to develop both 2 and 3 Dimensional textile artefacts/objects; the relationship between textile arts and selected cultures; particularly in relation to fashion design, individual development of design, construction and decoration techniques and textile imagery.
Courses: ED22, ED26, ED50, ED51, AA71
Credit Points: 12
Contact Hours: 3 per week

AAP507 PAINTING
Introducing and developing an active awareness of both historical and contemporary issues in painting and drawing through studio practice and tutorials; the skills appropriate to the range of available media pursued in studio classes and professional practice.
Courses: ED22, ED26, ED50, ED51, AA71
Credit Points: 12
Contact Hours: 3 per week

AAP509 PHOTOGRAPHIC MEDIA
Photographic processes; aesthetic aspects of photography; history of art and photography; personal approaches to photography.
Courses: ED22, ED26, ED50, ED51, AA71
Credit Points: 12
Contact Hours: 3 per week

AAP511 PRINTMAKING
Relief printmaking: raised and incised blocks in lino; wood and glued materials; intaglio printmaking: etching, engraving, dry point and aquatint; planographic printmaking: lithography, monoprints and transfer prints; stencil printmaking: silk screening and photographic stencils; presentation of prints.
Courses: ED22, ED26, ED50, ED51, AA71
Credit Points: 12
Contact Hours: 3 per week

AAAX101 DANCE COMPOSITION 1
Discussion and theoretical understanding of dance composition; practical exploration of skills essential for dance composition including: establishment of approach or theme, style of movement, patterning of movement, phrasing of steps, selection and structuring of completed dance segments.
Courses: AA09
Credit Points: 8
Contact Hours: 2 per week

AAAX102 DANCE COMPOSITION 2
Discussion and investigation of dance forms; preparation and presentation of short solo and group sequences; practical experience in group dance through improvisation and set compositional studies; discussion and criticism of presented dance work, discussion of criteria for evaluation and assessment of dance works. Choreography of a work for public performance.
Courses: AA09
Prerequisites: AAAX101
Credit Points: 8
Contact Hours: 2 per week

AAAX103 MUSIC
Musical basics through aural and written theories.
Courses: AA09
Credit Points: 8
Contact Hours: 1.5 per week

AAAX104 DANCE KINESIOLOGY & ALIGNMENT
Principles governing human stability and motion; ways muscles work to produce dance movement; machines of the body; movement and dance injuries.
Courses: AA09, AA11
Credit Points: 12
Contact Hours: 2.5 per week

AAAX105 DANCE STYLES 1
Study of folk dance, tap dance and jazz dance styles. Practical work includes: folk steps and dances from selected parts of the world; tap and jazz dance combinations and routines for performance.
Courses: AA09
Credit Points: 8
Contact Hours: 2 per week

AAAX106 DANCE STYLES 2
Development of dancing and singing skills; composition of dance routines for chorus; dramatic aspects of music comedy; tap dance combinations and routines, study of character and jazz styles; practical work includes basic technique, step combinations, solo and group choreograph work.
Courses: AA09
Credit Points: 8
Contact Hours: 2 per week

AAAX111 REPERTOIRE & PRACTICE PERIOD 1
Designated Unit. Study of selected repertoire pieces; rehearsal of individual aspects of the repertoire work; performance of all or part of the selected repertoire; preparation for rehearsals and performance; technique and dress rehearsals; critical
evaluation during season and post-performance evaluation.
Courses: AA09  Credit Points: 12

- **AAX112 REPERTOIRE & PRACTICE PERIOD 2**
  Designated Unit. Continuation of studies initiated in AAX111.
  Courses: AA09  Prerequisites: AAX111
  Credit Points: 16

- **AAX113 REPERTOIRE & PRACTICE PERIOD 3**
  Designated Unit. Continuation of AAX112.
  Courses: AA09  Prerequisites: AAX112
  Credit Points: 16

- **AAX114 REPERTOIRE & PRACTICE PERIOD 4**
  Designated Unit. Continuation of AAX113; preparation for the dance industry; curriculum vitae and funding applications.
  Courses: AA09  Prerequisites: AAX113
  Credit Points: 16

- **AAX115 DANCE HISTORY**
  Early development of dance technique; social and religious functions of dance; dance throughout the Renaissance period; the European and Russian contribution to classical ballet; the rise of modern dance in Europe and America; dance in Australia.
  Courses: AA09  Credit Points: 8
  Contact Hours: 1.5 per week

- **AAX116 STAGECRAFT**
  Basic principles of stage production including make-up, stage lighting design and operation; sound recording and operation, costuming for dance including properties of fabric design and construction.
  Courses: AA09  Credit Points: 8  Contact Hours: 9 per week

- **AAX117 BALLET TECHNIQUE 1**
  Designated Unit. The study of ballet technique within the four-tier practical levels system. Principles governing the technique; practical work includes barre work, adagio, pirouettes, allegro, pointe work and pas de deux.
  Courses: AA09  Credit Points: 8  Contact Hours: 7.5 per week

- **AAX118 BALLET TECHNIQUE 2**
  Designated Unit. Continuation of study initiated in AAX117.
  Courses: AA09  Prerequisites: AAX117
  Credit Points: 8  Contact Hours: 7.5 per week

- **AAX119 BALLET TECHNIQUE 3**
  Designated Unit. Consolidation of technique; study of differing stylistic approaches to the ballet technique through the four-tier levels system.
  Courses: AA09  Prerequisites: AAX118
  Credit Points: 8  Contact Hours: 9 per week

- **AAX120 BALLET TECHNIQUE 4**
  Designated Unit. Technique classes of advanced standard incorporating difficult exercise combinations, with an emphasis on performance quality and style within the four-tier levels system.
  Courses: AA09  Prerequisites: AAX119
  Credit Points: 8  Contact Hours: 7.5 per week

- **AAX121 CONTEMPORARY TECHNIQUE 1**
  Designated Unit. The study of contemporary dance techniques within the four-tier levels system. Practical work includes floor work, centre work and basic combinations to develop flexibility, strength and coordination; vocabulary of contemporary dance techniques.
  Courses: AA09  Credit Points: 8  Contact Hours: 9 per week

- **AAX122 CONTEMPORARY TECHNIQUE 2**
  Designated Unit. Continuation of study initiated in AAX121.
  Courses: AA09  Prerequisites: AAX121
  Credit Points: 8  Contact Hours: 7.5 per week

- **AAX123 CONTEMPORARY TECHNIQUE 3**
  Designated Unit. Consolidation of technical knowledge: increased degree of difficulty in turning and jumping sequences; rapid changes of weight and off-balance work within the four-tier levels system.
  Courses: AA09  Prerequisites: AAX122  Credit Points: 8  Contact Hours: 7.5 per week

- **AAX124 CONTEMPORARY TECHNIQUE 4**
  Designated Unit. Advanced technique classes incorporating difficult exercise combinations with rapid changes of weight, level, direction; performance quality and style.
  Courses: AA09  Prerequisites: AAX123  Credit Points: 8  Contact Hours: 7.5 per week

- **ARB001 ARCHITECTURAL DESIGN 1**
  Introduction to design theory and methodology; design as an integrative process; aesthetic perceptions, graphic/presentation skills. Strategic learning at university. Introductory design exercises: simple elements and small scale urban spaces.
  Courses: AR48, BN30  Credit Points: 12
  Contact Hours: 8 per week

- **ARB002 ARCHITECTURAL DESIGN 2**
  Development of design understanding integrating contextual constraints and technology. Introductory design exercises: simple buildings, spaces and elements.
  Courses: AR48, BN30  Prerequisites: ARB001  Credit Points: 12  Contact Hours: 8 per week

- **ARB003 ARCHITECTURAL DESIGN 3**
  Development of design understanding and ability with emphasis on social and environmental values. Theory and methodology: activity analysis, site analysis, integration of construction and climatic studies. Design projects generally of domestic scale.
  Courses: AR48, BN30  Prerequisites: ARB002  Credit Points: 12  Contact Hours: 6 per week

- **ARB004 ARCHITECTURAL DESIGN 4**
  Development of design understanding and ability with emphasis on social and environmental values. Integration of design theory, sociological and technology. Design projects generally of domestic scale.
  Courses: AR48, BN30  Prerequisites: ARB003  Credit Points: 12  Contact Hours: 6 per week

- **ARB005 ARCHITECTURAL DESIGN 5**
  Development of design understanding and ability with emphasis on ‘place’ and design in social and physical context. Design projects aimed at developing issues of context, landscape, ethics and values and integrating building construction, climatic design and contextual studies. Projects include groups of buildings of medium scale and increasing complexity.
  Courses: AR48, BN30  Prerequisites: ARB004  Credit Points: 12  Contact Hours: 6 per week

- **ARB006 ARCHITECTURAL DESIGN 6**
  Development of design emphasis introduced in ARB005. Design projects to develop contextual issues and integrate considerations of climatic design, construction and building services. Projects include groups of buildings of medium scale and increasing complexity.
  Courses: AR48, BN30  Prerequisites: ARB005  Credit Points: 12  Contact Hours: 6 per week

- **ARB007 ARCHITECTURAL DESIGN 7**
  Design projects used to develop theory, critical analysis and issues of architectural quality. Integration of design science, construction, building services, codes and standards. Projects include buildings and building groups of medium to large scale.
  Courses: AR48  Prerequisites: ARB006  Credit Points: 24 (12 per semester)  Contact Hours: 6 per week

- **ARB008 ARCHITECTURAL DESIGN 8**
  Design projects used to develop individual approach and direction to architecture and to introduce urban design issues. Integration of building economics, services, technology and critical analysis. Projects include large scale civic or commercial developments in an urban context.

Courses: ARB021 TECHNOLOGY & SCIENCE 1
Credit Points: 6
Contact Hours: 6 per week

■ ARB011 CONTEXTUAL STUDIES 1
Human scale, anthropometry and ergonomics. Introduction to a progressive study of architectural history. Early buildings to nineteenth century.
Courses: ARB042 ELECTIVE 2
Credit Points: 12
Contact Hours: 5 per week

■ ARB010 CONTEXTUAL STUDIES 2
Human behaviour; perceptions, learning, interpersonal communication and relationships, decision making, problem solving and stress management. Progressive study of architectural history to nineteenth century.
Courses: ARB042 ELECTIVE 2
Credit Points: 8
Contact Hours: 3 per week

■ ARB013 CONTEXTUAL STUDIES 3
Human relationships: role of social and cultural variables in human environment interactions; theory of place; behaviour settings; privacy; personal space; territoriality; environmental meaning and cognition; cognitive maps and way-finding; risk perceptions; environmental stress; environmental evaluations; participatory design processes. Architectural history of the twentieth century; the modern movement; postmodern and recent. Introduction to design methodology; imagining, representing, testing, the VAST lists and an heuristic design model.
Courses: ARB042 ELECTIVE 2
Credit Points: 8
Contact Hours: 3 per week

■ ARB014 CONTEXTUAL STUDIES 4
Human organisation, theory of formal organisations, Australian government structures, social analysis and forecasting, social interest groups. History of architecture in the twentieth century, the modern movement, postmodern and recent. Theories, styles and movements in architectural history.
Courses: ARB042 ELECTIVE 2
Credit Points: 8
Contact Hours: 4 per week

■ ARB015 CONTEXTUAL STUDIES 5
The periods of Australian architectural development and important individual architects. Urban design theory, townscape, urban spaces, city form.
Courses: ARB042 ELECTIVE 2
Credit Points: 8
Contact Hours: 2 per week

■ ARB016 CONTEXTUAL STUDIES 6
The legal system, statutory and common law, contract and tort, acts and regulations concerning the built environment, building codes of Australia. Queensland architectural heritage and contemporary architects. Principles for the analysis of design, factors affecting quality.
Courses: ARB042 ELECTIVE 2
Credit Points: 8
Contact Hours: 3 per week

■ ARB017 CONTEXTUAL STUDIES 7
Architectural development in the Far East, Southeast Asia, the Pacific and South America. Planning of settlements, indigenous architecture, materials, techniques and construction, social, cultural and other influences, modernisation, current architectural issues. Theory and methods of critical analysis, critical appraisal of major works and architects, study of ideas and aesthetics.
Courses: ARB042 ELECTIVE 2
Credit Points: 6
Contact Hours: 2 per week

■ ARB018 CONTEXTUAL STUDIES 8
Contemporary theories of design and aesthetics; ethics in architectural practice, current issues in architecture, changing roles and attitudes, trends and opportunities.
Courses: ARB042 ELECTIVE 2
Credit Points: 6
Contact Hours: 2 per week

■ ARB021 TECHNOLOGY & SCIENCE 1
Courses: ARB042 ELECTIVE 2
Credit Points: 8
Contact Hours: 3 per week

■ ARB022 TECHNOLOGY & SCIENCE 2
Principles of construction related to simple structures, construction systems, chemical properties and reaction of building materials. Introduction to computing in architecture.
Courses: ARB042 ELECTIVE 2
Credit Points: 12
Contact Hours: 5 per week
- **ARB043 ELECTIVE 3**
  Elective unit drawn from an existing range of units available within the Faculty of Built Environment and Engineering or another Faculty at QUT, and approved by the Course Coordinator.
  Courses: BN30
  Credit Points: 6
  Contact Hours: 2 per week

- **ARB044 ELECTIVE 4**
  Elective unit drawn from an existing range of units available within the Faculty of Built Environment and Engineering or another Faculty at QUT, and approved by the Course Coordinator.
  Courses: ARB004
  Credit Points: 6
  Contact Hours: 2 per week

- **ARB045 ELECTIVE A**
  Elective unit drawn from a range presented by the School, available within the Faculty, elsewhere at QUT or external units subject to approval.
  Courses: ARB045
  Contact Hours: 2 per week

- **ARB046 ELECTIVE B**
  Elective unit drawn from a range presented by the School, available within the Faculty, elsewhere at QUT or external units subject to approval.
  Courses: ARB046
  Contact Hours: 2 per week

- **ARB047 ELECTIVE C**
  Elective unit drawn from a range available within the Faculty, subject to approval.
  Courses: ARB047
  Contact Hours: 2 per week

- **ARB051 RESEARCH METHODS**
  An overview of research methodology, examination of differences between research methods and products. Students will undertake a short, directed research project.
  Courses: ARB051
  Contact Hours: 2 per week

- **ARB052 ARCHITECTURAL RESEARCH 1**
  The establishment of appropriate research methods and their development into a study proposal for an approved elected research topic. Establishment of objectives, delineation of areas, structuring research program, reading sources, analysis and preliminary conclusions, individual proposals.
  Courses: ARB052
  Prerequisites: ARB051
  Credit Points: 6
  Contact Hours: 2 per week

- **ARB053 ARCHITECTURAL RESEARCH 2**
  Continued development of approved research topic commenced in ARB052. Definition and analysis of propositions, validation by research. Research submission.
  Courses: ARB053
  Prerequisites: ARB052
  Credit Points: 24
  Contact Hours: 6 per week

- **ARB054 ARCHITECTURAL PROJECT**
  A major project selected by the student and approved by the Course Coordinator. By the end of the semester the student should demonstrate through the project the course objectives, expressed as values and attitudes, knowledge and skills.
  Courses: ARB054
  Prerequisites: ARB053
  Credit Points: 24
  Contact Hours: 6 per week

- **ARB061 ARCHITECTURAL APPLICATIONS 1**
  Application of theory and knowledge gained in corequisite units and development of graphic skills in studio exercise.
  Courses: BN30
  Corequisites: ARB001, ARB011, ARB021
  Credit Points: 12
  Contact Hours: 4 per week

- **ARB062 ARCHITECTURAL APPLICATIONS 2**
  Application of theory and knowledge gained in corequisite units and development of graphic skills in studio exercise
  Courses: BN30
  Corequisites: ARB002, ARB012, ARB022
  Credit Points: 8
  Contact Hours: 4 per week

- **ARB063 ARCHITECTURAL APPLICATIONS 3**
  Application of theory to architectural problems, with emphasis on architectural technology and science. Studio exercises and site visits.
  Courses: BN30
  Corequisites: ARB003, ARB023
  Credit Points: 12
  Contact Hours: 4 per week

- **ARB064 ARCHITECTURAL APPLICATIONS 4**
  Application of theory to architectural problems, with emphasis on architectural technology and science. Studio exercises and site visits.
  Courses: BN30
  Corequisites: ARB004, ARB024
  Credit Points: 8
  Contact Hours: 4 per week

- **ARB065 ARCHITECTURAL APPLICATIONS 5**
  Application of theory to architectural problems, with emphasis on architectural technology and science. Studio exercises and site visits.
  Courses: BN30
  Corequisites: ARB005
  Credit Points: 12
  Contact Hours: 4 per week

- **ARB066 ARCHITECTURAL APPLICATIONS 6**
  Application of theory to architectural problems, with emphasis on architectural technology and science. Studio exercises and site visits.
  Courses: BN30
  Corequisites: ARB006
  Credit Points: 8
  Contact Hours: 4 per week

- **ARB071 ENVIRONMENTAL STUDIES**
  The global ecosystem: the atmosphere and its processes, climate, air pollution, water cycles, water pollution, human population and demographic trends, renewable and non-renewable resources, land use, urbanism, the city as an ecosystem, national resource management and conservation.
  Courses: BN30
  Contact Hours: 2 per week

- **ARB141 THE HUMAN ENVIRONMENT 1**
  The dimensions and movement of the human body, and of its perceptual systems, as an essential preliminary to the design of all artefacts for human use. Topics include: static and dynamic anthropometry; human sensory systems; ergonomics; applications of anthropometrics and ergonomics to design.
  Courses: BN30
  Contact Hours: 2 per week

- **ARB146 INTRODUCTION TO INTERIOR TECHNOLOGY 1**
  Basic mechanics and the physical, thermal and optical properties of materials; physics of light, optics, photometry, laser, holograms; thermal properties of materials and components; solar energy and its application; physics of sound, hearing and environmental acoustics; electricity and electrical circuits.
  Courses: BN30
  Contact Hours: 2 per week

- **ARB147 HISTORY OF THE BUILT ENVIRONMENT 1**
  The development of the artificial human environment and its relationship to ideas, technology and the fine arts from the earliest times to the seventeenth century.
  Courses: BN30
  Contact Hours: 3 per week

- **ARB161 LIGHT & COLOUR STUDIES 1**
  Introduction to an understanding of colour properties, colour harmony and contrast, mixing and application of colour. An introduction to a range of colour theories relating to the use of colour. An introduction to the study of the qualitative effects of colour and lighting on form and space.
  Courses: BN30
  Corequisites: ARB176
  Credit Points: 6
  Contact Hours: 3 per week

- **ARB168 TECHNOLOGY & SCIENCE 1**
  A study of physical principles; introduction to mathematics and applied technologies and how they relate to industrial design.
  Courses: BN30
  Credit Points: 12
  Contact Hours: 6 per week
ARB176 INTRODUCTORY INTERIOR DESIGN 1
Introduction to design theory, methodology, and aesthetic perceptions. Exploring design as an interactive process. Introductory design exercises, simple two and three dimensional elements. Freehand sketching, mechanical drawing, principles of perspective, principles of scale drawing and presentation skills. Unit includes tertiary learning-to-learn process necessary for effective and successful study.
Courses: BN30  Corequisites: ARB161
Credit Points: 18  Contact Hours: 9 per week

ARB177 INTRODUCTORY INDUSTRIAL DESIGN 1
Introduction to basic design principles; three dimensional visual thinking; aesthetic perception; concept development of simple products; perspective drawing and presentation skills; strategic learning at university.
Courses: BN30  Credit Points: 18  Contact Hours: 9 per week

ARB241 HISTORY OF THE BUILT ENVIRONMENT 2
A continuation of ARB141. History of the following from circa 1600 AD: ideas, art, and two of the following (one of which must be the student’s major discipline): town and country planning, landscape architecture, architecture, interior and industrial design.
Courses: BN30  Credit Points: 6  Contact Hours: 3 per week

ARB246 INTRODUCTION TO INTERIOR TECHNOLOGY 2
Courses: BN30  Corequisites: ARB276
Credit Points: 12  Contact Hours: 5 per week

ARB249 THE HUMAN ENVIRONMENT 2
See PSB051.
Courses: BN30  Credit Points: 6  Contact Hours: 2 per week

ARB251 ERGONOMICS FOR INDUSTRIAL DESIGNERS 1
Psychomotor skills; human information processing; human-machine interfaces; displays, controls, and tools; human-machine system properties; feedback and controls; workplace design; noise; stress; vibration; legal aspect; safety and product liability. Practical exercises in product design.
Courses: BN30  Credit Points: 6  Contact Hours: 2 per week

ARB267 LIGHT & COLOUR STUDIES
A further investigation of the relevance of colour theories, and the relevance and use of colour in interior design. It deals with the understanding of the symbolic, physiological and psychological aspects of colour, within historical and contemporary contexts.
Courses: BN30  Corequisites: ARB267
Credit Points: 6  Contact Hours: 3 per week

ARB276 TECHNOLOGY & SCIENCE 2
Introduction to chemical properties of materials; data collection analysis and statistics relevant to industrial design.
Courses: BN30  Credit Points: 12  Contact Hours: 6 per week

ARB276 INTRODUCTORY INTERIOR DESIGN 2
A further introduction to design theory, methodology and perception. To demonstrate the application of environmental issues; refinement of process and understanding by working collaboratively with people in designing three-dimensional spaces to suit their needs. Continuation of mechanical and freehand drawing presentation and development of written and verbal skills.
Courses: BN30  Prerequisites: ARB176

ARB277 INTRODUCTORY INDUSTRIAL DESIGN 2
Continuation of ARB177; studio work involving three-dimensional design tasks of a variety of scales; workshop and field teaching; techniques of oral and written presentation of schemes to audience; report writing; use of English as applicable to the professional needs.
Courses: BN30  Credit Points: 18  Contact Hours: 9 per week

ARB291 THE HUMAN ENVIRONMENT 3
The social and cultural development of Australian urban environments, local built environments; study of human functioning in urban environments, privacy, personal space, territoriality, environmental meaning and cognition, cognitive maps and wayfinding, intercultural and intracultural differences. Application via examination and analysis of an urban environment with respect to its socio-cultural function.
Courses: BN30  Credit Points: 6  Contact Hours: 2 per week

ARB292 THE HUMAN ENVIRONMENT 4
The interaction of formal organisations and institutions, especially the organisation of work and government and the built environment; small group theory and the effective group; work and motivation. Management style and bureaucracy, its character and influence; social analysis and social forecasting; social interest groups in a pluralist society; mechanisms and processes of compromise; Australia’s government system as relating to public policy and the electoral system; modern society and the individual.
Courses: BN30  Credit Points: 6  Contact Hours: 2 per week

ARB350 INDUSTRIAL DESIGN 1
Scope of problem solving theory; special characteristics of design problems; the task environment, design heuristics; creativity and innovation and general psychological theories of creativity; case studies; visual communication and design process. The studio exercises to which most of the time is devoted are aimed at a range of different product designs. The complexity and depth of the design project will increase systematically during the semester.
Courses: BN30  Prerequisites: ARB277
Credit Points: 18  Contact Hours: 8 per week

ARB351 ERGONOMICS FOR INDUSTRIAL DESIGNERS 2
Person-machine system models; human capabilities; hearing and signal detection theory; vision; and user modelling. Practical exercises cover application of lecture topics to product design.
Courses: BN30  Corequisites: ARB251
Credit Points: 6  Contact Hours: 2 per week

ARB353 MANUFACTURING TECHNOLOGY 1
Metals, glass, wood, ceramics and plastics technologies; the relation between the properties of materials and the industrial processes available for their fabrication. Application of the study of materials and their fabrication to design problems in studio exercises. Introduction of computers (CAD).
Courses: BN30  Prerequisites: ARB251
Credit Points: 12  Contact Hours: 6 per week

ARB354 COMPUTER-AIDED INDUSTRIAL DESIGN 1
PC computer operation, introduction to using Windows, overview of use of graphics and CAD by industrial designers in the design process. Application of CAD for engineering drawings and as a 2D presentation tool. Introduction to 3D wireframe modelling concepts.
Courses: BN30  Credit Points: 6  Contact Hours: 2 per week
ARB360 INTERIOR DESIGN 1
Scope of problem-solving theory; special characteristics of design problems; the task environment; the problem space, the solution space and their representation; problem difficulty, recognition and algorithmic methods; generate-and-test methods; heuristics; creativity and innovation. Studio exercises aimed at a range of interior design problems with emphasis on contextuality and symbolism. To extend presentation methods, techniques and materials used to communicate design ideas.
Courses: BN30
Corequisites: ARB361
Credit Points: 18
Contact Hours: 8 per week

ARB361 INTERIOR TECHNOLOGY 1
Upgrades technical drawing skills and introduces students to the building codes. Domestic construction; introduction to building regulations and materials.
Courses: BN30
Prerequisites: ARB246
Credit Points: 12
Contact Hours: 6 per week

ARB362 FURNITURE & FITTINGS 1
Fabrics and textiles in interior design, history, design construction and specification. Finishing materials; properties and techniques are discussed in conjunction with the codes, standards and specifications in relation to design projects.
Courses: BN30
Credit Points: 6
Contact Hours: 2 per week

ARB450 INDUSTRIAL DESIGN 2
Design methodologies; process; creativity and product innovation; case studies; environmental impact. The studio exercises are aimed at different product ranges. The complexity of the project increases according to the semester level.
Courses: BN30
Prerequisites: ARB350
Credit Points: 18
Contact Hours: 8 per week

ARB453 MANUFACTURING TECHNOLOGY 2
Application of engineering mechanisms to products or systems; the performances of mechanical, electrical, hydraulic and pneumatic mechanisms in relation to particular functions; introduction to electronics; design problems in studio using CAD.
Courses: BN30
Prerequisites: ARB353
Credit Points: 12
Contact Hours: 6 per week

ARB454 COMPUTER-AIDED INDUSTRIAL DESIGN 2
Introduction to 3D Solid modelling concepts, 3D spatial relationships, design documentation, 3D model to 2D engineering drawings and development of skills in the use of CAD for engineering drawings. Design presentation.
Courses: BN30
Prerequisites: ARB354
Credit Points: 6
Contact Hours: 2 per week

ARB457 ELECTIVE 1
Elective Unit drawn from a range presented by the School and approved by the Course Coordinator.
Courses: BN30
Credit Points: 6
Contact Hours: 2 per week

ARB460 INTERIOR DESIGN 2
Development of design understanding and processes; to introduce the development of a rigorous and systematic methodology in the design process; to concentrate attention on problems with specific interior design parameters; and to foster an appreciation of design; introduction of information retrieval skills, using the library and other information services; assessing, organising and evaluating information. Continues to expose students to a variety of presentation techniques and materials needed to communicate design solutions.
Courses: BN30
Prerequisites: ARB360
Credit Points: 18
Contact Hours: 8 per week

ARB461 INTERIOR TECHNOLOGY 2
Courses: BN30
Prerequisites: ARB460
Credit Points: 12
Contact Hours: 6 per week

ARB462 FURNITURE & FITTINGS 2
The manufacture, assembly and fabrication of furniture, fittings and components; expected performance of materials and furniture items, focuses on functional, maintenance, life span, economic properties. History of furniture design, materials and construction.
Courses: BN30
Prerequisites: ARB362
Credit Points: 6
Contact Hours: 2 per week

ARB550 INDUSTRIAL DESIGN 3
Product design in depth. The projects are cross-referenced with other subject areas which will provide an integration of knowledge and skills acquired in the previous semesters. During the design projects, different specialist expertise is included. Lectures cover: case studies; design innovation; design methods.
Courses: BN30
Prerequisites: ARB450
Credit Points: 18
Contact Hours: 8 per week

ARB553 MANUFACTURING TECHNOLOGY 3
Production techniques in relation to different materials, various methods for different finishing operations, various methods for forming, automatic and semi-automatic assembly and quality control methods; production cost. Field studies include visits to manufacturing industries. The application of production techniques in studio design projects using CAD.
Courses: BN30
Prerequisites: ARB453
Credit Points: 12
Contact Hours: 5 per week

ARB554 COMPUTER-AIDED INDUSTRIAL DESIGN 3
Introduction to simple 3D Surface modelling concepts, introduction to shading, development of these skills for product form evaluations. Development of the use of 3D CAD skills for production of advanced 2D engineering drawings.
Courses: BN30
Prerequisites: ARB454
Credit Points: 6
Contact Hours: 2 per week

ARB556 PRODUCT ANALYSIS & DEVELOPMENT
Case studies on success and failure of industrial/product design; sources for new product development; system for total design product planning; product status, marketing and process of total design management.
Courses: BN30
Credit Points: 6
Contact Hours: 2 per week

ARB557 ELECTIVE 2
Elective Unit drawn from a range presented by the School, Faculty, other Faculties at QUT, and approved by the Course Coordinator.
Courses: BN30
Credit Points: 6
Contact Hours: 2 per week

ARB560 INTERIOR DESIGN 3
Students develop their knowledge of systematic interior design processes and apply knowledge gained in support and corequisite units. Application of the physical and cultural context as well as psychological and sociological needs of the end user. Visual and oral communication techniques employed in the production of design presentations to clients.
Courses: BN30
Prerequisites: ARB460
Corequisites: ARB561, ARB663
Credit Points: 18
Contact Hours: 7 per week

ARB561 INTERIOR TECHNOLOGY 3
Continuation of ARB461: emphasis on commercial construction systems and the impact of regulations; high-rise buildings, the planning of tenancies, partitioning and furniture systems, shopping centres, theatres, medical clinics, taverns, restaurants.
Courses: BN30  
Corequisites: ARB560  
Credit Points: 12  
Contact Hours: 6 per week

**ARB562 FURNITURE & FITTINGS 3**

Extension of historical developments of furniture design focusing upon the 20th century. An exploration of philosophical reasoning behind major 20th century design movements accompanied by a continuation of furniture design projects and exercises.

Courses: BN30  
Corequisites: ARB462  
Credit Points: 6  
Contact Hours: 2 per week

**ARB590 ELECTIVE 1A**

Selected architectural topics including history, conservation, design theory, management, finance, economics, architectural science, computing, urban design, and courses where approved.

Courses: AR41  
Credit Points: 4  
Contact Hours: 2 per week

**ARB591 HISTORY OF ARCHITECTURE & ART 4**

A global perspective of the development of art and architecture of regional interest with particular emphasis on non-European traditions. Architectural development in the Far East, Southeast Asia, the Pacific and South America. Planning of settlements, indigenous architecture, materials and techniques in building construction, social, cultural, economic, religious, and Western influence. Modernisation, current architecture issues.

Courses: AR41  
Credit Points: 4  
Contact Hours: 1 per week

**ARB593 DESIGN 8**

Architectural criticism; main themes selected for design and the realisation, convenience, clarity, intelligibility, expression, technology, context form. Post-occupancy evaluation. Testing methodology; analysis and evaluation of building performance, user-oriented design. A series of architectural projects of medium to high-rise buildings involving general building briefs and programs, environmental impact issues, and post-occupancy analysis.

Courses: AR41  
Credit Points: 20 (10 per semester)  
Contact Hours: 5 per week

**ARB595 PROFESSIONAL STUDIES 2**

Building economics; practice management and accounting systems; legal aspects of practice, contracts, building procurement systems.

Courses: AR41  
Credit Points: 16 (8 per semester)  
Contact Hours: 4 per week

**ARB598 ELECTIVE 1B**

See ARB590.

Courses: AR41  
Credit Points: 4  
Contact Hours: 2 per week

**ARB646 LAW OF THE BUILT ENVIRONMENT**

The law as a constraint in the design and construction process. Australian and Queensland acts, by-laws and regulations of statutory authorities as they affect the built environment. Legal aspects of land and land transfer. Introduction to professional liability, design registration, patents and copyrights.

Courses: BN30  
Credit Points: 6  
Contact Hours: 2 per week

**ARB650 INDUSTRIAL DESIGN 4**

Design studio projects: there are usually two projects per semester and they are done in depth. The interdisciplinary expertise is included when appropriate. Most of the projects are industry based. Lectures include: case studies, design innovation and design methods.

Courses: BN30  
Prerequisites: ARB550  
Credit Points: 18  
Contact Hours: 8 per week

**ARB653 MANUFACTURING TECHNOLOGY 4**

 Organisation, planning the technologies required for CIM (Computer-Integrated Manufacturing). The impact of CIM on product design solutions. Field studies complement the lecture series. Studio exercises will utilise computer applications.

Courses: BN30  
Prerequisites: ARB553  
Credit Points: 12  
Contact Hours: 5 per week

**ARB654 COMPUTER-AIDED INDUSTRIAL DESIGN 4**

Development of skills in complex 3D Surface modelling techniques, application in design form evaluations and form refinement. Further development of shading techniques and introduction to animation. Advanced design documentation.

Courses: BN30  
Prerequisites: ARB554  
Credit Points: 6  
Contact Hours: 2 per week

**ARB657 ELECTIVE 3**

Elective Unit drawn from a range presented by the School, Faculty or other Faculties at QUT and approved by the Course Coordinator.

Courses: BN30  
Credit Points: 6  
Contact Hours: 2 per week

**ARB660 INTERIOR DESIGN 4**

Students select and develop a complex design problem from brief stage to developed design studio stage, taking into consideration the content and the needs of the end user. Theory studies are cross-referenced to studio projects and exercises. Visual and oral communication techniques for design presentations to clients.

Courses: BN30  
Corequisites: ARB661  
Credit Points: 18  
Contact Hours: 7 per week

**ARB661 INTERIOR TECHNOLOGY 4**

The technological assessment of interiors, structure, openings, environmental systems, artefacts and ambience of existing spaces; tendering, consultants, leasing and tenancy-building interface.

Courses: BN30  
Corequisites: ARB660  
Credit Points: 12  
Contact Hours: 4 per week

**ARB662 FURNITURE & FITTINGS 4**

Continuation of ARB462 with particular focus upon furniture design creation and manufacture of selected items. Practical work is emphasised.

Courses: BN30  
Prerequisites: ARB562  
Credit Points: 6  
Contact Hours: 2 per week

**ARB663 RESEARCH METHODS**

An overview of research methodology; differences between various research methods and products.

Courses: BN30  
Corequisites: ARB560  
Credit Points: 6  
Contact Hours: 2 per week

**ARB693 DESIGN 9**

Theory: contemporary architects’ theories and ideas, their influence in architectural design and practice. Projects: process of brief, functional and space programming; urban values, design principles and landscape-townscape, civic and formal planning; urban quality. A comprehensive project of groups of complex buildings as a design vehicle to develop planning skills; brief formation; building programming; quality evaluation; planning and presentation.

Courses: AR41  
Credit Points: 16  
Contact Hours: 5 per week

**ARB695 PROFESSIONAL STUDIES 3**

Alternative methods of building procurement; management of all phases of the building project. The Architect Act 1962 and amendments; Board of Architects Queensland Practice Examination.

Courses: AR41  
Credit Points: 8 (4 per semester)  
Contact Hours: 2 per week

**ARB697 ELECTIVE 2**

Studies on approved topics to sufficient depth to demonstrate the student’s ability to define and to logically analyse a proposition, and to conduct research to prove its validity.

Courses: AR41  
Credit Points: Semester 1: 4; Semester 2: 20  
Contact Hours: Semester 1: 2 per wk; Semester 2: 5 per wk
ARP606 ELECTIVE 1
A selected and approved course of study which enables students to deepen their knowledge in particular areas of interior design. All Electives undertaken shall have the prior approval of the Course Coordinator. No special timetabling arrangements will be made to cater for Electives.

Courses: AR62
Credit Points: 6
Contact Hours: 2 per week

ARP607 ELECTIVE 2
A selected and approved course of study which enables students to deepen their knowledge in particular areas of interior design. All Electives undertaken shall have the prior approval of the Course Coordinator. No special timetabling arrangements will be made to cater for Electives.

Courses: AR62
Credit Points: 6
Contact Hours: 2 per week

ARP608 THEORY & CRITICISM
The unit addresses contemporary theories of design and aesthetics and current issues in order to develop a critical understanding of the profession. Through case studies students will be required to explore the influence of design on emotive behaviour and to interpret the implication of this for interior design of a more conventional kind.

Courses: AR62
Credit Points: 6
Contact Hours: 2 per week

ARP613 ADVANCED ERGONOMICS 1
Human-machine systems and their relations with living and working environments; the importance of ergonomics (human factors) criteria and their application to industrial design. The course consists of series of seminars relevant to case studies concerned. Typical case studies are concentrated on the ergonomic evaluation of consumer products.

Courses: AR61
Credit Points: 6
Contact Hours: 2 per week

ARP623 ADVANCED ERGONOMICS 2
Systematic ergonomic evaluation methods and their application to design problems. Lectures and seminars relevant to case studies on the ergonomic evaluation of the working and living environment, e.g. key-punch operator work station, bus driver work station and ergonomic evaluation of an assembly line.

Courses: AR61
Credit Points: 6
Contact Hours: 2 per week

ARP654 PROFESSIONAL PRACTICE & MANAGEMENT
A series of lectures and seminars exploring the role of professional practice management. Lectures include: meaning of design process, control and the design process, complexity of design problems, type of contracts, design management, design documentation, concept of design evaluation and management, role administration, liability, design protection, designer-client relationships.

Courses: AR61
Credit Points: 6
Contact Hours: 2 per week

ARP670 ELECTIVE A
Elective unit drawn from a range presented by the School, available within the Faculty, elsewhere at QUT or external subject to Course Coordinator’s approval.

Courses: AR61
Credit Points: 6
Contact Hours: 2 per week

ARP672 INDUSTRIAL DESIGN 1
This unit is linked with ARP673.

Courses: AR61
Credit Points: 12
Contact Hours: 6

ARP673 INDUSTRIAL DESIGN 2
These units consist of studio work in which students design a range of products or systems. The emphasis is on projects generated from local industry and community. The complexity and depth of the design project increase according to the semester level.

Courses: AR61
Credit Points: 12
Contact Hours: 6 per week

ARP674 INDUSTRIAL DESIGN RESEARCH 1
A topic is selected by a student and approved and supervised by industrial design staff. Examples are: microsurgical equipment design, bushfire safety equipment, mobile dental clinic design.
in isolated regions and interactive display in psychological testing.

Courses: AR61  Prerequisites: ARP673 (part-time option)
Credit Points: 18  Contact Hours: 8 per week

ARP675 INDUSTRIAL DESIGN RESEARCH 2
This unit depends on the topic selected by a student in the previous semester. Students are responsible for the program as a part of their project work, which are approved and supervised by industrial design staff.

Courses: AR61  Prerequisites: ARP672, ARP674
Credit Points: 18  Contact Hours: 8 per week

ARP676 ADVANCED COMPUTER-AIDED INDUSTRIAL DESIGN 1
Advanced CAD in the design process. Introduction to the interactive use of the application of CAD/CAM and SLA in the development of finalisation of a design project.

Courses: AR61
Credit Points: 6  Contact Hours: 2 per week

ARP677 ADVANCED COMPUTER-AIDED INDUSTRIAL DESIGN 2
Advanced CAD in design development, analysis and manufacturing (CNC) process. Employing CAD/CAM and SLA in the development, evaluation, finalisation, documentation and presentation of a design project.

Courses: AR61  Prerequisites: ARP676
Credit Points: 6  Contact Hours: 2 per week

ATB100 TEXTS & MEANINGS
An introduction to a variety of analytical tools for reading and evaluating different types of texts. Texts are here taken to incorporate any constructed meanings and messages which are capable of being interpreted. A wide range of cultural products selected from a cross-section of contexts, genres and media are examined closely. Students are introduced to major theoretical issues and concerns underlying contemporary developments in the fields of cultural analysis and textual interpretation.

Courses: AA11, AA21, AA51, AA71, AA81, ED50, IF75, IF76, IF78, SS07, BS50, IF77, HU20, MJ20
Credit Points: 12  Contact Hours: 3 per week

ATN001 RESEARCH PROJECT – 1 UNIT
Repeatable unit indicating the rate at which the supervised Research Project is being completed.
Course: AA24 (AT22 phased out)  Credit Points: 12

ATN002 RESEARCH PROJECT – 2 UNITS
As per ATN001.
Course: AA24 (AT22 phased out)  Credit Points: 24

ATN004 RESEARCH PROJECT – 4 UNITS
As per ATN001.
Course: AA24 (AT22 phased out)  Credit Points: 48

ATN007 ATN007/1 TO ATN007/8 RESEARCH PROJECT 1 TO RESEARCH PROJECT 8
Students enrolled part-time or full-time in AT22 Master of Arts (Research) undertake a research project as the major component of their studies. This project may take the form of a research thesis or a creative project accompanied by a written component. The creative project could include a book-length work of fiction or non-fiction; or a film or multi-media script or production. Units may be either taken one per semester or several per semester, depending on the enrolment pattern recommended by the School in the Course Summary Sheet, in accordance with the desired length of candidature, mode (full- or part-time), and entry qualifications (three or four year qualified).

Courses: AT22
Credit Points: 12 for each of the eight units (total 96)  Contact Hours: 1 per week

ATN009 ARTS RESEARCH METHODS
The goal of this unit is to give students an overview and understanding of the variety of methods used in research. It provides students with knowledge in the participating areas. It also will give students practical and conceptual understanding of the conduct of a literature review and its application in the development of a research area; and experience in developing the components of the research process and applying them to their thesis or to an issue of personal interest.

Courses: AT22
Credit Points: 12  Contact Hours: 3 per week

ATN200 GRADUATE SEMINAR
Weekly discussions and presentations related to the research and preparation of a Master of Arts (Research) thesis. Opportunities for student interaction through a sharing of research experiences.

Courses: AT22
Prerequisites: Either ATN009 Arts Research Methods, or HUB900 Research Contexts and Issues
Credit Points: 12  Contact Hours: 3 per week

AYB120 BUSINESS LAW
Australian legal and constitutional system; sources of law, including doctrines and methodology of the law; statutory interpretation; a study of the law of contract; introduction to the law of torts with emphasis on the tort of negligence; aspects of consumer protection.

Courses: BS56, ED50, IF56, IT20, PU48
Prerequisites: BSB114
Credit Points: 12  Contact Hours: 3 per week
Incompatible with: ALB110, ACB140, ACB371, LW3001, LW3013

AYB121 FINANCIAL ACCOUNTING
An examination of the accounting concepts and procedures relevant to both partnership and company business structures within the context of: the accounting profession’s conceptual framework; the relevant accounting standard and legal requirements; and the nature of professional and social practice. Topics include: the formation, accounting procedures and financial statement preparation for both Partnerships and Company Business Structures; an overview of the new Corporate Law Simplification Programme requirements in relation to financial accounting; reporting and disclosure; a review of cash flow statements; and Accountants and Accounting Practice – an ethical perspective.

Courses: BS56, ED50, IF37, NS48
Prerequisites: BSB110
Credit Points: 12  Contact Hours: 4 per week
Incompatible with: AYB111, ACB115, ACB210, AC3001, AC3014

AYB220 COMPANY ACCOUNTING
Accounting for company income tax (tax effect accounting); acquisition of assets; consolidated financial statements; equity accounting; foreign currency transactions; and disclosure in company financial statements.

Courses: BS56, ED50, IF37  Prerequisites: AYB121
Credit Points: 12  Contact Hours: 4 per week
Incompatible with: AYB112, ACB212, ACB412, AC3003, AC3016

AYB221 COMPUTERISED ACCOUNTING SYSTEMS
Management information systems and accounting systems; database and files; systems development life cycle; design of accounting systems including sales, accounts receivable, inventory, purchases, accounts payable, non-current assets, payroll and general ledger systems; accounting software such as ACCPAC, and spreadsheet software such as LOTUS 1-2-3; internal control in computer systems.

Courses: BS56, ED50, IF37  Prerequisites: BSB110, BSB112
Credit Points: 12  Contact Hours: 4 per week
Incompatible with: AYB222, AYB101, ISB492, AC3010, AC3033

AYB223 LAW OF BUSINESS ASSOCIATIONS
The law relating to the establishment, operation and dissolution of business associations; the forms of business associa-
tions; partnerships, trusts, companies and voluntary associations. A focus on companies: incorporation requirements, classification, share capital and management issues.

Courses: BS56, BS81
Prerequisites: AYB120 or AYN410
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ALB122, ACB240, LW3002, LW3014

- **AYB225 MANAGEMENT ACCOUNTING I**
  Introduction to managerial accounting, the role of the management accountant, and cost concepts; costing systems including actual/normal/systems under job and process costing; introduction to budgeting; accounting for the factors of production: materials, labour and overheads; extension of basic costing systems for multiple products and spoilage; direct and absorption costing; cost-volume profit analysis.

Courses: BS56, IF37, IT20
Prerequisites: BS6110
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: AYB224, FNB123, ACB220, AC3004, AC3017

- **AYB301 AUDITING**
  The audit environment; legal liability of auditors; professional ethics; study and evaluation of audit planning and programming; evidence, internal control theory and review techniques; audit program applications: revenue, receivables, cash, inventory; audit in EDP environments and evaluation of EDP controls; computer-assisted audit techniques; computer fraud; sampling techniques; the audit report.

Courses: BS56, ED50, IF37
Prerequisites: AYB220
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: AYB210, ACB311, AC3005, AC3018

- **AYB303 COMMERCIAL & SECURITIES LAW**
  Commercial transactions; specific types of contract: sales of goods, credit contracts, agency, bailment and insurance; aspects of the Trade Practices Act and negotiable instruments.

Courses: BS56
Prerequisites: AYB120 or AYN410
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ALB111

- **AYB305 COMPANY LAW & PRACTICE**
  Advanced topics in company law including: protection of minority interests; dividend policy; insider trading; takeovers and buy-backs, law relating to financially troubled companies.

Courses: BS56
Prerequisites: AYB223
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ALB120

- **AYB309 COMPUTER SECURITY & AUDIT**
  Impact of EDP on auditing, general EDP controls, EDP application controls, generalised audit software (GAS), computer-assisted audit techniques, special EDP environments, fraud and privacy.

Courses: BS50, BS56
Prerequisites: AYB301, AYB220
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: AYB212

- **AYB310 COMPUTERISED ACCOUNTING APPLICATIONS**
  This subject uses software to build various accounting applications and discusses issues related to the use of such applications. Database software will be used to build parts of an accounting information system (for example, general ledger, accounts receivable ledger or accounts payable ledger). Macros will be utilised in spreadsheets software to build automated accounting-related models. Expert systems will be examined by using commercially available software and building basic relevant applications. Issues and recent developments in accounting information systems will also be examined.

Courses: BS56
Prerequisites: AYB221
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: AYB218

- **AYB311 FINANCIAL ACCOUNTING THEORY**
  The evaluation and development of accounting theory; regulatory framework and the theories of regulation; development of the conceptual framework; contracting cost framework; critique of historical cost and alternative theories; asset and liability definition and recognition; revenue and expense recognition and measurement.

Courses: BS56, IF37
Prerequisites: AYB220
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: AYB113, ACB310, AC3007, AC3023

- **AYB312 FINANCIAL INSTITUTIONS LAW**
  The legal framework of banking and other financial transactions: legal constraints upon the operations of financial institutions; bank-customer relationship; Cheque Act, Credit Act, liability for negligent advice.

Courses: BS56
Prerequisites: AYB220
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ALB103

- **AYB313 GOVERNMENT ACCOUNTING**
  The unit will examine the structure of government economic and fiscal activities; elements of government accounting; the concept of public accountability; theory of budgeting; public accounting and reporting of Commonwealth, state and local government levels; external, internal and efficiency auditing.

Courses: BS56
Prerequisites: BS6110
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: AYB103

- **AYB315 INDUSTRIAL LAW**
  The system of law in Australia; industrial aspects of the Australian constitution; the system of industrial law in Australia; the development and role of law in industrial relations; industrial relations legislation, federal and state; common law; industrial torts; industrial actions; industrial disputes; settlement of disputes; sanctions; unions.

Courses: BS56
Prerequisites: MGB207
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ALB104

- **AYB316 INSOLVENCY LAW & PRACTICE**
  Insolvency and liquidation; a comparison of the tests of insolvency applicable to individuals, companies, partnerships and trusts respectively; rights of secured and unsecured creditors; duties and liabilities of liquidators, receivers, etc.; company shareholders’ rights; distribution of property; liabilities of bankrupts, trustees and company officers.

Courses: BS56
Prerequisites: AYB223
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ALB121

- **AYB317 INTERNATIONAL BUSINESS LAW**
  Examination of the law governing the establishment and conduct of international business; business structures, international contracts, competing legal jurisdictions, codes of conduct; an introduction to the taxation consequences of international business.

Courses: BS56
Prerequisites: AYB120 or AYN410
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ALB105

- **AYB318 INTERNATIONAL TAXATION**
  The subject introduces the student to the process of applying technical knowledge of taxation law to practical business problems in the international environment. Planning for international transactions, choosing appropriate business structures and issues of double taxation are all considered.

Courses: BS56
Prerequisites: AYB326 or AYB328
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ALB105

- **AYB321 MANAGEMENT ACCOUNTING THEORY**
  The development of management accounting as a discipline, development of theories – conceptual framework; theory of the firm; agency theory; contingency theory; decision theory; organisational behaviour theories; theory of constraints; application of theories within the finance/economics paradigm. The application of these theories will be considered practically within the context of issues such as transfer pricing, cost allocation and the contemporary managerial accounting techniques.
AYN401 ACCOUNTING 1 (PY)

Principles of tax practice: judicial, statutory and professional approaches to tax avoidance and evasion; structuring and re-structuring business enterprises; tax planning for the employee, investor, beneficiary and divorcee.

Courses: BS56  
Prerequisites: AYB326 or AYB328  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: AYN410 or AYN112 or GSN200 or AYN403

AYN402 ACCOUNTING INFORMATION SYSTEMS (PY)

Examination at an advanced level of accounting information systems (AIS). Topics include AIS strategic planning, feasibility analysis, systems development and implementation, networks and the electronic business.

Courses: BS70, BS87, BS94  
Prerequisites: PG only; AYN400 or AYN300  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: FNN300

AYN403 ADVANCED COMPANY ACCOUNTING

Consolidated financial statements; changes in degree of ownership; reverse subsidiaries and reciprocal shareholdings; consolidation and the existence of preference shares; translation and consolidation of foreign currency financial statements; consolidated cash flow statements; accounting for joint ventures, foreign currency transactions; segment reporting; and superannuation funds. Please contact the School of Accountancy office regarding commencement date. This unit runs outside the normal semester timetable.

Courses: BS70, BS87, BS94  
Prerequisites: PG only  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: AYN303

AYN404 ADVANCED TAX PLANNING

Application of technical expertise in income tax and other revenue laws to specific tax planning situations including employment, retirement, investment, business and professional practice; the professional responsibilities of tax advisers.

Courses: BS70, BS87, BS94  
Prerequisites: PG only  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: ALN101

AYN406 CAPITAL GAINS TAX

Analysis of the capital gains tax regime, a discrete area of taxation law that is complex in nature and has far-reaching commercial ramifications. The focus is on specific issues that have significant practical relevance.

Courses: BS70, BS87, BS94  
Prerequisites: PG only  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: ALN102

AYN408 AUDITING (PY)

Examination at an advanced level of auditing standards and their practical application, judgmental and statistical audit sampling; EDP controls, and computer-assisted audit techniques, and audit reporting.

Courses: BS70, BS87, BS94  
Prerequisites: PG only; AYN401 or FNN300  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: AYN301

AYN409 AUDITING STANDARDS & PRACTICE

An examination of relevant auditing standards and their implications for practice. Case studies develop an analytical approach and the ability to exercise professional judgement in audit problems. Recent journal articles, legal cases and newspaper reports are used in conjunction with the cases.

Courses: BS70, BS87, BS94  
Prerequisites: PG only  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: AYN107

AYN410 BUSINESS LAW & ETHICS

Introduction to business law and to morality in the business context. Interpretation of statutes, law of torts, contract law, consumer protection and agency; morality and how it works as an aspect of the business community; the origins of moral belief, and the motives which lead people to abide by what they believe to be morally right and to persuade others to do likewise. The functioning morality in society drawing on psychological, sociological and philosophical perspectives with
special emphasis on business aspects of morality.

Courses: BS30, BS78, BS81, BS89, GS70, GS81
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ALN103

■ AYN411 COMPANY AUDITING

The audit environment; legal liability of auditors; professional ethics; study and evaluation of audit planning and programming, evidence, internal control theory and review techniques; audit program applications; revenue, receivables, cash; inventory; audit in EDP environment and evaluation of EDP controls; computer-assisted audit techniques; computer fraud; sampling techniques; ethics; the audit report.

Courses: BS81, BS89
Prerequisites: PG only; AYN417 or AYN113
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: AYN120

■ AYN412 COMPANY LAW

The law relating to the establishment, operation and dissolution of business associations, the forms of business associations; partnerships, joint ventures, trusts, companies and voluntary associations. A focus on companies: share capital prospectuses, directors' duties, incorporation and registration requirements.

Courses: BS89
Prerequisites: PG only; AYN410 or ALN103
Credit Points: 12
Contact Hours: 3 per week

■ AYN413 COMPUTER AUDITING

The impact of EDP on controls and auditing; general EDP controls; generalised audit software, static and concurrent computer-assisted audit techniques, special EDP environments and computer fraud.

Courses: BS70, BS87, BS94
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: AYN109

■ AYN414 COST ACCOUNTING

Introduction to management accounting: the role of the management accountant; cost concepts; costing systems; budgeting; extension of basic costing systems for multiple products and spoilage; direct and absorption costing; cost volume profit analysis.

Courses: BS89, GS70, GS81
Prerequisites: PG only; AYN416 or AYN112 or AYN403 or AYN101 or GSN202
Credit Points: 12
Contact Hours: 3 per week

■ AYN415 EXTERNAL REPORTING ISSUES

Contemporary issues in external reporting: institutional background and legal framework; conceptual framework and accounting theory; external reporting aspects of corporate governance; presentation and disclosure in external reports; capital market implications of external reporting; assets and asset revaluation; goodwill and identifiable intangibles; extractive industries; liabilities, off-balance sheet financing and financial instruments; intercorporate investments; and other reporting issues.

Courses: BS70, BS87, BS94
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: AYN111

■ AYN416 FINANCIAL ACCOUNTING 1

An introduction to accounting; recording business transactions; adjusting the accounts and preparing financial statements; completion of the accounting cycle; accounting systems and specialised journals; cash and cash journals; accounting for receivables and payables; accounting for merchandising operations and inventories; non-current assets; partnerships; companies; accounting for non-current liabilities; investments; statement of cashflows; analysis and interpretation of financial statements.

Courses: BS30, BS81, BS89, GS81, GS70
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: AYN112

■ AYN417 FINANCIAL ACCOUNTING 2

Accounting function within a company; accounting for company income tax (tax-effect accounting); liquidation; acquisition of assets including companies; consolidated financial statements, equity accounting; disclosure in company financial statements.

Courses: BS30, BS81, BS89, GS81, GS70
Prerequisites: PG only; AYN416 or AYN112
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: AYN113

■ AYN418 FINANCIAL ACCOUNTING 3

The evolution of accounting theory; the external financial reporting framework; theories of regulation and the conceptual framework; theory of the firm developed into the contracting cost framework; profits and application of the theory of profits – construction contracts and segment reporting; assets and the application of the theory of assets, intangible assets and the extractive industries; liabilities and the application of the theory of liabilities – debt defasance, debt versus equity and leases; further applications of the theory of profits, assets and liabilities – intercorporate investments, joint ventures and foreign currency transactions and translation.

Courses: BS30, BS81, BS89, GS81, GS70
Prerequisites: PG only; AYN417 or AYN113
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: AYN114

■ AYN419 FINANCIAL MODELLING

Modelling as an organisational planning tool; the development and manipulation of databases in order to provide information sources for model building; the use of the modelling concept for solving investment and forecasting problems and analysing performance.

Courses: BS70, BS80, BS94
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: FNN103

■ AYN420 FINANCIAL REPORTING

Conceptual framework; preparation and presentation of financial statements; accounting for income tax (tax-effect accounting), leases, construction contracts and the extractive industries; goodwill; acquisition and evaluation of assets; equity accounting. Please contact the School of Accountability office regarding commencement date. This unit commences in early January.

Courses: BS70, BS87, BS94
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: AYN117

■ AYN421 INDIRECT TAXATION

Examination of taxes relevant to the conduct of a business other than taxes directly imposed on a taxpayer’s income and capital gains. Specific taxes covered include sales tax, payroll tax, land tax, stamp duty, customs and excise duties and the superannuation guarantee charge.

Courses: BS70, BS87, BS94
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ALN105

■ AYN422 INSOLVENCY & RECONSTRUCTION (PY)

Examination of the law and practice of bankruptcy and corporate insolvency; comparisons between deeds of company arrangement, schemes of arrangement and reconstruction, receiverships and liquidation; the rights of secured and unsecured creditors; rights of members and employees; duties and obligations of scheme administrators, receivers and liquidators; collection and distribution of assets; public examination; actions against company officers.

Courses: BS70, BS87, BS94
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ALN300

■ AYN423 INTERNAL AUDITING

The techniques used by the internal or operational auditors; the need for efficiency or value-for-money auditing; perform-
ANCE AUDITING: the internal auditor in large organisations both public and private; ethical considerations.

**Courses:** BS70, BS87, BS94  
**Prerequisites:** PG only  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** AYN118

**AYN424 INTERNATIONAL ACCOUNTING**
This unit is designed to provide students with an insight into, and an understanding of, many of the accounting problems and issues faced in an international business environment. Issues examined include: comparative international accounting systems and practices; international accounting standard setting processes; harmonisation of accounting; cultural influences on accounting; international patterns of accounting development; accounting for foreign currency transactions and derivatives; translation of foreign currency financial statements; comparative international analysis of financial statements and global accounting issues into the twenty-first century.

**Courses:** BS70, BS87, BS94  
**Prerequisites:** PG only  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** AYN119

**AYN426 LEGAL ENVIRONMENT OF BUSINESS**
A study of contemporary issues in Business Law.

**Courses:** BS70, BS87, BS94  
**Prerequisites:** PG only  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** ALN303

**AYN427 LIQUIDATIONS & RECEIVERSHIP**
The law and practice of bankruptcy and corporate insolvency; comparisions between deeds of company arrangement, schemes of arrangement and reconstruction, receiverships and liquidation. Topics include: the rights of secured and unsecured creditors; rights of members and employees; duties and obligations of scheme administrators, receivers and liquidators; collection and distribution of assets; public examination; actions against company officers.

**Courses:** BS70, BS87, BS94  
**Prerequisites:** PG only  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** ALN107

**AYN429 MANAGEMENT ACCOUNTING (PY)**
This unit is designed to satisfy an elective topic in the professional year program of the Institute of Chartered Accountants in Australia. The syllabus is revised annually and applied advanced managerial topics are included as the profession determines necessary for senior managerial accountants.

**Courses:** BS70, BS87, BS94  
**Prerequisites:** PG only  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** FNN301

**AYN430 MANAGERIAL ACCOUNTING ISSUES A**
Issues for the management accountant in the new manufacturing environment, viewed from a finance economics perspective. Topics include performance evaluation; decision-making; cost allocation; operations research techniques.

**Courses:** BS70, BS87, BS94  
**Prerequisites:** PG only  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** FNN110

**AYN432 PUBLIC SECTOR ACCOUNTING ISSUES**
The unit will introduce students to the context and operation of public sector accounting and reporting. Specific conceptual and practical issues will be examined which distinguish public sector accounting from private sector accounting.

**Courses:** BS70, BS80, BS87, BS94  
**Prerequisites:** PG only  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** FNN111

**AYN433 SPECIAL TOPIC IN ACCOUNTING A**
A study of topical areas in the public accounting area.

**Courses:** BS70, BS87, BS94  
**Prerequisites:** PG only  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** AYN302

**AYN434 SPECIAL TOPIC IN ACCOUNTING B**
Issues of significance in managerial accounting and finance.

This unit is offered when required.

**Courses:** BS70, BS87, BS94  
**Prerequisites:** PG only  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** FNN112

**AYN435 TAXATION 1A (PY)**
Prepares candidates enrolled in the Institute of Chartered Accountants Professional Year for the examination and workshops in the taxation module. Topics as prescribed by the Institute are covered in cursory fashion or in depth according to the particular knowledge level requirements specified.

**Courses:** BS70, BS87, BS94  
**Prerequisites:** PG only  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** ALN305

**AYN436 TAXATION 1B (PY)**
Prepares candidates enrolled in the Institute of Chartered Accountants Professional Year for the examination and workshops in the taxation module. Topics as prescribed by the Institute are covered in cursory fashion or in depth according to the particular knowledge level requirements specified.

**Courses:** BS70, BS87, BS94  
**Prerequisites:** PG only; AYN435 or ALN305  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** ALN301

**AYN437 TAXATION 2 (PY)**
A study program for candidates enrolled in the Advanced Taxation module of the Institute of Chartered Accountants Professional Year. Topics prescribed by the Institute are covered in sufficient depth to meet the requirements as specified in the module.

**Courses:** BS70, BS87, BS94  
**Prerequisites:** PG only; AYN436 or ALN301  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** ALN302

**AYN438 TAXATION LAW & PRACTICE**
Statutory framework; assessable income, general and specific; capital gains, trading stock; allowable deductions; general and specific; levy of income tax; all entities; fringe benefits tax.

**Courses:** BS89, GS70, GS81  
**Prerequisites:** PG only; AYN412  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**AYN439 MANAGEMENT ACCOUNTING**
Planning and control; decision-making and relevant costs; responsibility accounting; cost allocation; pricing techniques; transfer pricing; performance evaluation.

**Courses:** BS98, GS70, GS81  
**Prerequisites:** PG only; AYN414  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**AYN441 ADVANCED AUDITING**
This unit will examine current auditing technologies at an advanced level. These technologies are aimed at enhancing the efficiency and effectiveness with which audits are conducted. The unit will enable students to develop an understanding of the principles underlying these technologies and to provide practical experience in the application of these technologies in auditing. Topics include: statistical sampling; analytical review using forecasting, audit software, expert systems, audit automation.

**Courses:** BS70, BS94  
**Prerequisites:** PG only; AYN409  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**AYN442 SUPERANNUATION**
Government retirement income policy; an evaluation of superannuation; inquiries into superannuation; taxation of superannuation; types of plans and their advantages and disadvantages; Australia’s superannuation regulatory system; critical evaluation of same; accounting for superannuation plans and employee entitlements; audit of superannuation plans; critical evaluation of same; performance evaluation of superannuation plans; contemporary issues in superannuation.

**Courses:** BS70, BS94  
**Prerequisites:** PG only  
**Credit Points:** 12  
**Contact Hours:** 3 per week
■ AYN505 ACCOUNTING HONOURS – A
An application of the costly contracting theory of the firm to gain an understanding of the role that accounting and auditing play in the contracting and governance processes. Examines positive research into accounting information utilisation both within the firm and as prepared for external stakeholders. Specific topics covered include transaction cost economics; accounting aspects of corporate governance; incentive problems and financial contracting solutions associated with the issue of equity and debt; determinants of accounting policy choices; role of accounting in strategic management; decentralisation and organisational structures; executive performance and compensation; audit independence, tendering and fees.
Courses: B563  
Credit Points: 12  
Contact Hours: 3 per week
■ AYN506 ACCOUNTING HONOURS – B
The behavioural and social aspects of the design and operation of accounting/auditing procedures. Considers the role played by accounting in the facilitation of management decision making and the interaction between accounting and human behaviour. Issues considered include: performance management; evaluation and budgeting; management control systems; management control of global operations; audit judgement and decision making.
Courses: B563  
Credit Points: 12  
Contact Hours: 3 per week
■ AYN507 BUSINESS LAW HONOURS
This subject examines the theoretical basis for regulating the Australian securities markets with particular emphasis upon aspects of regulation which are of greatest relevance to accounting practice and business advisers. It will examine how the theoretical and public policy aspects are presented in the business laws themselves and how these are applied. Particular topics to be examined include the laws governing financial disclosure through company accounts, in experts' reports, in prospectuses and in takeovers.
Courses: B563  
Credit Points: 12  
Contact Hours: 3 per week
■ BNB003 PROFESSIONAL PRACTICE IN ASIA/ PACIFIC
Overview of the region; institutional and business environments; guidelines for professional practice overseas; sourcing opportunities; selected case studies.
Courses: CE42, EE44, ME45, IF44, CE43, EE45, EE43, ME47  
Credit Points: 8  
Contact Hours: 3 per week
■ BNB004 TECHNOLOGY & SOCIETY
Introduction to the technologies and philosophies employed by the professions in the Faculty: social and ethical aspects of professional practice; introduction of study skills required at university; introduction of the three major engineering disciplines – explanation of their similarities and differences; introduction of the other professional groups represented in the Faculty of Built Environment and Engineering; explanation of how these groups interact with engineers and society; develop information retrieval skills; codes of ethics relevant to professional practice.
Courses: CE31, CE42, CE43, EE43, EE44, EE45, ME35, ME45, ME47  
Credit Points: 8  
Contact Hours: 3 per week
■ BSB110 ACCOUNTING
A study of the basic accounting process, both financial and managerial, and an introduction to the interpretation of accounting information. This unit covers financial procedures and reporting for sole traders, partnerships; analysis and interpretation of financial statements; planning, control and business decision making.
Courses: AA21, BS50, BS56, ED23, ED50, IF37, IF52, IF54, IS43 IT20, PU48  
Credit Points: 12  
Contact Hours: 4 per week  
Incompatible with: AYB100, AYB110, AYB105, AC3013, ACB110, AC3000, ACB111
■ BSB111 BUSINESS ETHICS
This unit introduces students to a framework of ethical decision making which draws on a variety of ethical theories. The first part of the unit develops the theoretical underpinning of ethics. The second part applies the theoretical concepts to actual business decisions. The third part analyses aspects of the legal environment in the light of ethical reasoning.
Courses: BS56  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: COB105
■ BSB112 BUSINESS TECHNOLOGY & INFORMATION
Provides students with an introduction to electronic commerce and business systems and with a practical understanding of the computing, communications and information systems technologies underlying electronic business systems used both nationally and internationally. Overview of how to find and retrieve information provided in electronic business. The impact of electronic business in terms of privacy, security, legal issues. Practical experience in using and applying common business software functions such as wordprocessing, graphics, spreadsheet and database to business information problems.
Courses: BS56  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: ISB892, ISB392, FNB102, AC3032, CO3022
■ BSB113 ECONOMICS
In this unit students will be introduced to the key concepts of economics, both macro and microeconomics, presented in an intuitive and applied fashion. The role of the market and prices in achieving an economically efficient allocation of resources is described. In particular, the markets for products, labour and capital in Australia and its competitors are examined. Current important economic issues, such as the importance of savings for economic growth and the ‘problem’ of the balance of payments and foreign debt are discussed. The use of real Australian data and examples will illustrate the relevance of the topics to Australian business and government and show how these relate to the international economy.
Courses: BS50, BS56  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: EPB116, EPB140, EPB150, EPB172
■ BSB114 GOVERNMENT, BUSINESS & SOCIETY
This unit will provide a basic grounding in the principles, institutions and functions of government, and their interactions with business and society. Its principal focus is the structure and key features of Australia’s constitutional and government framework including the judicial and administrative processes, especially as they affect business. Students also will develop a comparative appreciation of the principles, institutional arrangements and practices of contemporary government in a global context. This will include consideration of law-making and policy processes and the impact of the changing national and international environment.
Courses: BS56  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: EPB124, MNB181, AD3049
■ BSB115 MANAGEMENT, PEOPLE & ORGANISATIONS
The unit provides an introduction to the theories and practice of management and organisations. Emphasis is on the conceptual and people skills that will be needed at all levels of management and in all areas of organisational life. The unit acknowledges that organisations exist in an increasingly international environment where the emphasis will be on knowledge, the ability to learn, to change and to innovate. Organisations are viewed from individual, group, corporate and external environmental perspectives.
Courses: BS56  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: BSB102, MNB351, MNB412, AD3048
■ BSB116 MARKETING & INTERNATIONAL BUSINESS
This introductory subject focuses on the role and importance of international business and marketing to the contemporary organisation. The subject matter will concentrate on the major decision-making areas of international business and marketing. Emphasis will be given to topics such as international trade, world financial legal systems, globalisation processes, technological change and the opportunities, constraints and problems which challenge the design of marketing strategies in the international business environment. The unit is divided into five sections dealing with: the world financial environment; the legal environment; the physical environment and the role of technology; the socio-cultural context of international business and marketing; transactional relations. Each section will have a theoretical component and students will be introduced to the relevant international and regional institutions, the major problems confronting international business and marketing and the analytical approaches which may be used in their study.
Courses: B550, B556
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB140

■ BSB117 PROFESSIONAL COMMUNICATION & NEGOTIATION
Introduces students to the principles and applications of communication within the professional context. This unit covers academic and workplace writing, oral presentations, negotiation, and current technology for writing and presentations.
Courses: B550, B556
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: COB160, COB106, COB205

■ BSB118 BUSINESS COMMUNICATION & APPLICATION SYSTEMS
Nature and development of information systems; transaction processing and computer
Courses: IF33, IF38, IF53, IF54, IS28, IS43, IT20, IT32, B556
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: BSB103

■ BSB300 MANAGEMENT, THE FIRM & INTERNATIONAL BUSINESS
Provides a detailed examination of the impact of the international environment upon management and the firm. Examines how management and the firm responds to change if success is to be achieved in a competitive international market.
Courses: B550, B556
Credit Points: 12
Prerequisites: BSB102 or HRN104 or BSB115 and MIB202 or BSB116 and MGB206
Incompatible with: HRB118

■ BSN400 INDUSTRY ANALYSIS
This unit aims to provide students with a detailed understanding of the particular industry or industries within which their organisation operates. A sound understanding of the nature of an industry requires the development of appropriate conceptual, analytical and operational skills. This unit provides the framework within which these dimensions are developed and applied to industries selected by the student for their major assignment.
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week

■ BSN401 MANAGEMENT, THE ORGANISATION & INTERNATIONAL BUSINESS
Whereas BSN408 is concerned with broad, international trends, this unit aims to provide a detailed examination of the typical impacts of the international environment upon the organisation, its management, structure, operations and human resource capacities. In addition, the unit will provide an introduction to the management issues to be faced by organisations entering into export markets.
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week

■ BSN402 PRODUCT & SERVICE EVALUATION
A major first step in addressing an organisation’s capacity to compete in the global environment is the evaluation of the adequacy of the goods and services it provides. The aim of this unit is to provide students with the ability to select from and apply a range of evaluative frameworks and related techniques suitable in a variety of settings, to a range of products and services.
Prerequisites: PG only; BSN408 or EPN108 or GSN101 or 48 credit points in the MBA (Prof)
Credit Points: 12
Contact Hours: 3 per week

■ BSN403 PRODUCT & SERVICE INNOVATION & DEVELOPMENT
Once the strengths and weaknesses of an organisation’s products and services have been identified and evaluated, the task is to determine the appropriate, innovative products and services that will enhance its market position. Models of product innovation and development will be examined, followed by an application of the models in an applied fashion, focusing upon: idea generation and screening; evaluating product and service ideas; financial evaluation; design for new and existing markets; human resource needs and capacities for innovation and development.
Prerequisites: PG only; BSB408 or EPN108 or GSN101 or 48 credit points in the MBA (Prof)
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MIN423, MKN109

■ BSN404 PROJECT 1
This unit is designed to permit the student to undertake a research project, subject to the approval of the Course Coordinator.
Courses: B94
Credit Points: 12

■ BSN405 PROJECT II
This unit is designed to permit the student to undertake a research project, subject to the approval of the Course Coordinator.
Courses: B94
Credit Points: 12

■ BSN406 PROJECT III
This unit is designed to permit the student to undertake a research project, subject to the approval of the Course Coordinator.
Courses: B93, B94
Credit Points: 24

■ BSN407 STRATEGIC BUSINESS ANALYSIS
A knowledge of international and domestic industry market trends and their specific impacts upon the organisation provides the basic data for the development of flexible strategic visions and plans. The aim of this unit is to provide an examination of major paradigms in strategic formulation and implementation, developing a synthesis of competing prescriptive and descriptive approaches. It will enable the development of an integrating framework to explore why organisations differ and how these differences, in terms of individual competencies and organisational capacities, provide for sustainable competitive advantage in domestic and international markets.
Prerequisites: PG only; BSB408 or EPN108
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MBA Strategic Management or Business Policy units

■ BSN408 BUSINESS & THE INTERNATIONAL ENVIRONMENT
Business operates in an increasingly international environment which has direct and rapid impacts upon domestic and other
markets for products and services. The aim of this unit is to provide a detailed understanding of the structure of that environment, its current and important trends. The focus will be on the economic, social and political factors determining the contemporary international business structure and its likely future development.

Courses: GSN101
Contact Hours: 3 per week
Incompatible with: BSN101

BSN409 RESEARCH PROJECT
A major piece of applied research. The research project provides the opportunity to apply and reinforce the education and knowledge gained from the course to resolve a complex business problem in accounting, banking and finance, and accounting legal studies or related discipline by research report, case study or application of technology. The final project must demonstrate an ability to identify and research a complex business problem in accounting, banking and finance and accounting legal studies or related discipline.

Courses: BSN409
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week

Incompatible with: GSN101

BSN410 SHORT PROJECT
Students undertake an independent investigation of the efficacy of deployment practices in an organisation or across organisations. The aim of the unit is for students to integrate course work theory and specific literature via an analysis of the practical application of quality in a real world situation. Project reports will be data based and deal with the relevant literature in the area.

Courses: BSN410
Prerequisites: PG only
Credit Points: 12
Incompatible with: BSN149, BSN150, IFP222, BSN411

BSN411 PROJECT
Students undertake an in-depth independent investigation of the efficacy of deployment practices in an organisation or across organisations. The aim of the unit is for students to integrate course work via an analysis of the practical application of quality in a real world situation. Project reports will be data based and soundly based on relevant literature.

Courses: BSN411
Prerequisites: PG only
Credit Points: 24
Incompatible with: BSN150, BSN149, BSN410

BSN500 RESEARCH METHODS
An introduction to the methodology of scientific research. The course has three components: Scientific Method; Statistical Design, Statistical Inference and Survey Methods. An examination of different perspectives for the development of scientific knowledge, an examination of experimental design issues and the use of statistical techniques in conducting research in accounting, finance and economics.

Courses: BSN500
Contact Hours: 3 per week
Incompatible with: BSN149, BSN411

BSN501 DISSERTATION
Students undertake a study of an issue as the culmination of their Honours program. The dissertation must have a well-developed conceptual foundation and include a primary research component.

Courses: BSN501
Prerequisites: PG only
Credit Points: 48

BSN502 RESEARCH METHODOLOGY
The purpose of this study is to provide students with a range of ideas and methods that will enable them to analyse, evaluate and conduct research in discipline areas related to Business. It provides an essential and basic preparation for the development of a thesis or dissertation proposal. Areas of study include: research paradigms; analysis and criticism; research design; data collection; data manipulation and interpretation; presentation.

Courses: BSN502
Prerequisites: PG only
Credit Points: 12
Incompatible with: BSB400

BSN503 RESEARCH SEMINAR
The aim of this unit is for the student to prepare a detailed review of the literature relevant to the thesis or dissertation proposal. Students will be required to prepare and present a detailed seminar paper describing and explaining the results of their review, and its relevance to the thesis or dissertation proposal. The unit is structured into two parts: the first provides a series of lectures from staff advising as to the requirements of a thorough, well-directed literature search and review; the second consists of a series of seminars from students presenting their findings.

Courses: BSN503
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week

BSN600 THESIS
This is the major component of a research Masters and consists of a substantial study of an applied or theoretical issue. Students are expected to present a seminar each semester on their progress to date and, in the final semester, on the outcomes of their study. The thesis is expected to have a sound conceptual and theoretical foundation for the exploration of a significant communication topic using primary research data. The thesis report should be of approximately 50 000 words.

Courses: BSN600
Prerequisites: PG only
Credit Points: 96

CEB106 EXPERIMENTAL DESIGN & ANALYSIS
Introduction to designing simple laboratory experimental investigations. Production of working drawings for manufacture of testing apparatus. Use of data acquisition software and hardware, including strain gauges, LVDT’s and load cells. The role of safety and quality audits in the laboratory.

Courses: CEB106
Credit Points: 8
Contact Hours: 3 per week

CEB108 APPLIED PHYSICS
Allows students without senior high school physics to obtain a basic grounding in areas such as electricity, magnetism, kinematics and mechanics and their practical applications in civil engineering.

Courses: CEB108
Credit Points: 8
Contact Hours: 4 per week

CEB170 ENGINEERING SCIENCE

Courses: CEB170
Credit Points: 8
Contact Hours: 3 per week

CEB184 ENGINEERING MECHANICS 1
Introduction to statics, forces, moments and couples; resolution and resultant of forces acting on a particle or rigid body; equilibrium of particle or rigid body under forces and/or moments; analytical and graphical methods for plane truss analysis; shear force and bending moment in beams; the properties of sections.

Courses: CEB184
Credit Points: 8
Contact Hours: 3 per week

CEB185 ENGINEERING MECHANICS 2
Principles of structural mechanics, stress, strain and elasticity; indeterminate structures and compatibility; simple beam theory including the flexure formula and the shear stress formula; torsion of circular sections; stresses in thin-walled pressure vessels; shear force and bending moment diagrams; hydrostatics.

Courses: CEB185
Credit Points: 8
Contact Hours: 3 per week

CEB192 INDUSTRIAL EXPERIENCE 1
Students should engage in at least five weeks’ employment, approved by the Head of School. For details see the School’s
These units will integrate the skills and knowledge developed in earlier units by applying the basic engineering science and technology to complete specific engineering design projects. The objectives of this problem-based learning include both the development of specific design skills and the development of generic skills such as professional problem solving, group management, presentation and communication and professional practice issues such as ethics and social effects.

**Courses:** CE31
**Credit Points:** 8
**Contact Hours:** 3 per week
**Prerequisites:** CEB185

**CEB226 CIVIL PROJECTS B**
These units will integrate the skills and knowledge developed in earlier units by applying the basic engineering science and technology to complete specific engineering design projects. The objectives of this problem-based learning include both the development of specific design skills and the development of generic skills such as professional problem solving, group management, presentation and communication and professional practice issues such as ethics and social effects.

**Courses:** CE31
**Credit Points:** 8
**Contact Hours:** 4 per week

**CEB227 CIVIL INVESTIGATION PROJECT**
This will involve a small investigation of an area of civil engineering technology. The unit is designed to develop a student’s ability to learn independently and to compile and present verbal and written reports on the results of their investigation.

**Courses:** CE31
**Credit Points:** 8
**Contact Hours:** 4 per week

**CEB240 SOIL MECHANICS 1**
Description and classification of soil for engineering purposes; moisture/density relationships; compaction; pore pressure, effective stress and suction; shear strength of cohesionless and cohesive soils; lateral earth pressure; earth retaining structures design. This will involve a small investigation of an area of civil engineering technology. The unit is designed to develop a student’s ability to learn independently and to compile and present verbal and written reports on the results of their investigation.

**Courses:** CE42, CE43, IF42, CE31
**Credit Points:** 8
**Contact Hours:** 3.5 per week

**CEB241 SOIL MECHANICS 2**
Bearing capacity of shallow foundations; permeability and seepage; surface loading on an elastic medium; pore pressure parameters; consolidation; settlement and design of shallow foundations; computer applications in seepage and consolidation.

**Courses:** CE31, CE42, CE43, IF42
**Credit Points:** 8
**Contact Hours:** 3 per week

**CEB254 STRUCTURAL ENGINEERING 1**
Determination of forces and/or bending moment distribution in simple determinate structures, stress distributions and transformation of stresses, strain and second moments of area, deflections of beams by virtual work method and unsymmetrical bending.

**Courses:** CE42, CE43, IF42
**Credit Points:** 8
**Contact Hours:** 3 per week

**CEB255 STRUCTURAL ENGINEERING 2**
Analysis of simple determinate structures by moment distribution and sway settlement and temporary affect, plastic analysis of beams, influence line diagram for beam frames and trusses, tension on members and deflections of frames and trusses by virtual work method.

**Courses:** CE42, CE43
**Credit Points:** 8
**Contact Hours:** 3.5 per week

**CEB260 FLUID MECHANICS**
Fluid mechanics; its relationship to civil engineering practice; fluid properties; fluid statics, pressure, forces, buoyancy and stability; continuity, energy and momentum applied to steady one-dimensional flows; viscosity, turbulence, boundary layers and fluid dynamics forces; dimensional analysis.

**Courses:** CE42, CE43, IF42
**Credit Points:** 8
**Contact Hours:** 3.5 per week

**CEB225 CIVIL PROJECTS A**
These units will integrate the skills and knowledge developed in earlier units by applying the basic engineering science and technology to complete specific engineering design projects. The objectives of this problem-based learning include both the development of specific design skills and the development of generic skills such as professional problem solving, group management, presentation and communication and professional practice issues such as ethics and social effects.

**Courses:** CE31
**Credit Points:** 8
**Contact Hours:** 3 per week

**Prerequisites:** CEB185, MAB187, MAB188
■ CEB261 HYDRAULIC ENGINEERING 1
The applications of fluid mechanics to pipe and open channel flow, flow measurement and hydraulic machinery. Topics include: steady flow in pipes, networks, flow measurement, uniform flow in open channels, pump and turbines.
Courses: CEB1, CEB2, CEB4, IF42
Prerequisites: CEB260
Corequisites: MAB487
Credit Points: 8
Contact Hours: 3.5 per week

■ CEB270 ENVIRONMENTAL SCIENCE
An introduction to the basic principles of ecology and natural systems. To give an appreciation of the adverse consequences of various types of pollution.
Courses: CEB42, CE41, CE43, IF42
Prerequisites: SCB246
Credit Points: 8
Contact Hours: 3 per week

■ CEB292 INDUSTRIAL EXPERIENCE 2
Students should engage in at least five weeks’ employment, approved by the Head of School. For details see the School’s Industrial Experience Handbook.
Courses: CEB42, CE43, IF42
Contact Hours: 5 weeks

■ CEB293 CIVIL ENGINEERING MATERIALS
Physical, chemical and engineering properties of common civil engineering materials. Ferrous and nonferrous metals and alloys, timber, bitumen, cladding materials, polymers, corrosion of materials and protective measures. Selection of materials. Role of quality control in engineering units.
Courses: CEB42, CE43, IF42
Prerequisites: MEB134
Credit Points: 8
Contact Hours: 3 per week

■ CEB294 ENGINEERING SCIENCE
This will be designed to strengthen the engineering science background of associates. It will allow for some students to be exempt from parts of the subject in which they have a strong background.
Courses: CEB31
Prerequisites: MEB134
Credit Points: 8
Contact Hours: 4 per week

■ CEB304 CIVIL ENGINEERING DESIGN 1
Design project work involving the use of steel and reinforced concrete, geotechnical and highway designs; the influence of construction method to design; students prepare design calculations and sketches with the help of design aids and computer software; problem solving skills using projects.
Courses: CEB42, CE43, IF42
Prerequisites: CEB201, CEB202, CEB211, CEB240, CEB255, CEB241, CEB254
Credit Points: 16
Contact Hours: 3.5 per week

■ CEB305 CONSTRUCTION PLANNING & ECONOMICS
Manual and computer based methods for the planning and programming of projects. The principles of economic and financial analysis pertaining to the planning and execution of engineering projects.
Courses: CEB31, CEB42, CE43, IF42
Credit Points: 8
Contact Hours: 3 per week

■ CEB306 CONCRETE STRUCTURES 2
Principles involved in the serviceability limit state and ultimate limit state design of prestressed concrete structures. Stress blocks and equivalent loads due to prestress, losses, serviceability limit states of cracking and deflection, ultimate limit states of bending and shear, evaluation of deflections and design.
Courses: CEB42, CE43, IF42
Prerequisites: CEB202
Credit Points: 8
Contact Hours: 3 per week

■ CEB309 CONSTRUCTION PRACTICE
Basic procedures of civil engineering construction; provides a foundation for further construction studies; gives a practical perspective to later theoretical units.
Courses: CEB31, CEB42, CE43, IF42
Prerequisites: CEB202, CEB293
Credit Points: 8
Contact Hours: 3.5 per week

■ CEB315 TRAFFIC ENGINEERING
Traffic theory: traffic behaviour, models; traffic management analysis: unsignalised and signalised intersections, street light- ing, signs, markings, barriers, parking. Traffic studies and transport planning.
Courses: CEB31, CEB42, CE43, IF42
Prerequisites: CEB211
Credit Points: 8
Contact Hours: 3 per week

■ CEB342 GEOTECHNICAL ENGINEERING 1
Courses: CEB42, CE43, IF42
Prerequisites: CEB241
Credit Points: 8
Contact Hours: 3 per week

■ CEB355 STRUCTURAL ENGINEERING 3
Structural analysis of determinate structures under moving loads using influence lines for beams and trusses. The application of plastic analysis techniques to the analysis of beam, frame and slab structures.
Courses: CEB42, CE43, IF42
Prerequisites: CEB255
Credit Points: 8
Contact Hours: 3 per week

■ CEB362 HYDRAULIC ENGINEERING 2
Hydraulics: unsteady flow, movable boundary hydraulics, hydraulic models and design of structures. Topics include: steady flow compound open channels with variable roughness; unsteady flow in pipes; unsteady flow in open channel flow; design of hydraulic structures such as transitions, culverts, crests, chutes, etc.; mobile boundary hydraulics; the theory and practice relating to fixed and mobile boundary, natural scale and distorted models.
Courses: CEB42, CE43, IF42
Prerequisites: CEB261, CEB260
Corequisites: MAB893
Credit Points: 8
Contact Hours: 3 per week

■ CEB364 ENGINEERING SCIENCE 2
Courses: PS47, PS48 SV34
Prerequisites: MAB187, MAB188, MEB221
Credit Points: 6
Contact Hours: 3 per week

■ CEB370 PUBLIC HEALTH ENGINEERING 1
The principles of public health engineering. Causes and effects of water pollution, principles of unit processes and operations of water quality control. An introduction to air pollution, its causes and control.
Courses: CEB31, CEB42, CE43, IF42
Prerequisites: SCB246
Credit Points: 8
Contact Hours: 3 per week

■ CEB371 WATER & WASTEWATER SYSTEMS
With CEB370, this unit provides a basic understanding of public health engineering practice and an introduction to design in the area of water and wastewater systems. This is a major application area for both generalist civil engineers and environmental engineers.
Courses: CEB31, CEB42, CE43, IF42
Prerequisites: CEB370
Credit Points: 8
Contact Hours: 3 per week

■ CEB372 ENVIRONMENTAL TECHNOLOGY
An introduction to resource management and pollution control. The effects of technological processes on the environment. Concept of sustainable development.
Courses: CEB31, CEB42, CE43
Prerequisites: CEB270, SCB246
Corequisites: CEB370
Credit Points: 8
Contact Hours: 3 per week

■ CEB392 INDUSTRIAL EXPERIENCE 3
Students should engage in at least five weeks’ employment, approved by the Head of School. For details see the School’s Industrial Experience Handbook.
Courses: CEB42, CE43
Contact Hours: 5 weeks

■ CEB401 DESIGN PROJECT
Students will work in groups to produce initial studies and outline designs of typical civil engineering projects. Students are required to define problems, establish goals for the project,
identify and collect necessary information, generate alternative solutions and optimise some of these solutions. Students are to develop an awareness of the possible impact of civil engineering projects on ecosystems. Students will prepare and present reports on aspects of selected projects, including feasibility studies, environmental and economic assessment. Compulsory site visits.

Courses: CEB42, CEB43
Prerequisites: CEB305, CEB315, CEB362, CEB342
Credit Points: 8
Contact Hours: 3 per week

■ CEB403 PROFESSIONAL PRACTICE
Engineering organisations, project initiation, documentation, form of contract, contract administration, arbitration, safety and insurances, legal responsibilities, ethics. Preparation in job applications and interview techniques.

Courses: CEB42, CEB43, IF42
Prerequisites: CEB305
Credit Points: 8
Contact Hours: 3 per week

■ CEB405 CIVIL ENGINEERING DESIGN 2
Continuation of CEB304, with topics covering structural and civil engineering design, i.e. municipal civil/structural projects. Field visits are required. More general problem-solving skills are developed so graduates can successfully complete projects other than those covered in the course.

Courses: CEB42, CEB43, IF42
Prerequisites: CEB293, CEB304, CEB342, CEB371
Credit Points: 16 (8 per semester)
Contact Hours: 3 per week

■ CEB406 STRUCTURAL APPLICATIONS
Analysis, design, supervision of construction and performance of structures. Topics include: structural systems, modelling, sketching, civil engineering structures, designing for construction, detailing and lessons from structural failures, timber structures and the role of testing, controlling vibrations in structures.

Courses: CEB42, CEB43, IF42
Prerequisites: CEB255, CEB355
Credit Points: 8
Contact Hours: 3 per week

■ CEB464 ENGINEERING SCIENCE 3
Rainfall intensity duration frequency relating in Australia; hydrographs, annual rainfall; stream flow hydrographs, rainfall-runoff relations, including the rational formula; frequency analysis; open channel flow, pipelines and culverts; design of stormwater drainage systems, including major and minor systems; water supply and sewerage descriptive treatment of sources and treatment processes.

Courses: PS47, PS48
Prerequisites: CEB364
Credit Points: 6
Contact Hours: 3 per week

■ CEB471 ENVIRONMENTAL DESIGN PROJECT
Intended to combine material covered in a number of disciplinary areas into a realistic environmental engineering project where the overall scope of a ‘real world’ environmental engineering project is investigated. A general approach to problem definition and solution is to be emphasised and the identification and study of environmental impacts is illustrated by application to a specific project.

Courses: CEB42, CEB43
Prerequisites: CEB362, CEB316, CEB315, CEB342
Credit Points: 8
Contact Hours: 3 per week

■ CEB475 ENVIRONMENTAL ENGINEERING DESIGN
Continues on from Civil Engineering Design 1 with the emphasis shifting to design of projects involving water quality management, waste management, land management and other environmental engineering applications. More general problem-solving skills are to be developed so that graduates can successfully complete projects other than those covered in the course. There is special emphasis on the appropriate use of computers for engineering analysis and design and on the potential use of computers for monitoring and control of engineering processes.

Courses: CEB42, CEB43
Prerequisites: CEB304, CEB270, CEB372
Credit Points: 8
Contact Hours: 3 per week
■ CEB512 TRANSPORT ENGINEERING I
Land use/transport interaction, trip generation, trip distribution, mode choice, transport operations analysis, transport economics, transport capacity, urban road planning principles, urban transit planning, railway, aviation and bulk commodity systems design. Advanced pavement design techniques.
Courses: CE42, CE43, IF42
Prerequisites: CEB315
Credit Points: 8
Contact Hours: 3 per week

■ CEB520 FINITE ELEMENT METHODS
Finite element, finite difference and similar numerical techniques. Theoretical and modelling considerations are covered in the context of case studies in structures, soil mechanics and hydraulics.
Courses: CE42, CE43, IF42
Prerequisites: CEB355
Credit Points: 8
Contact Hours: 3 per week

■ CEB531 MASONRY DESIGN
Courses: CE42, CE43, IF42
Prerequisites: CEB306, CEB355, CEB293
Credit Points: 8
Contact Hours: 3 per week

■ CEB541 GEOTECHNICAL ENGINEERING 2
Courses: CE42, CE43, IF42
Prerequisites: CEB342
Credit Points: 8
Contact Hours: 3 per week

■ CEB542 GEOTECHNICAL ENGINEERING 3
Development of marginal lands: trafficability; embankments on soft soil: preloading; vertical drainage: vibroflotation; dynamic compaction and methods of deep foundation improvement. Rock excavation and slope stabilisation. Soil improvement, including mechanical and chemical stabilisation, soil reinforcement and other techniques. Anchoring in soil and rock. Earth and rockfill design and construction.
Courses: CE42, CE43, IF42
Prerequisites: CEB341
Credit Points: 8
Contact Hours: 3 per week

■ CEB543 ENVIRONMENTAL GEOTECHNOLOGY
An introduction into the investigation and analysis of groundwater flow through porous media, including numerical modelling and contaminant transport.
Courses: CE31, CE42, CE43, IF42
Prerequisites: CEB240, CEB241
Credit Points: 8
Contact Hours: 3 per week

■ CEB551 ADVANCED STRUCTURAL DESIGN
Emphasis on the design of more complex structures. Normally three projects are studied involving some or all of: design in new materials, new analytical techniques, new codes of practice, novel structures.
Courses: CE42, CE43, IF42
Prerequisites: CEB201, CEB306, CEB355
Corequisites: CEB408
Credit Points: 8
Contact Hours: 3 per week

■ CEB560 HYDRAULIC ENGINEERING 3
Lectures, tutorial, practical work and site visits examine selected topics in water engineering. Topics chosen from hydrology, mobile bed hydraulics, river hydraulics, hydraulic structures, urban drainage, physical and mathematical modelling.
Courses: CE42, CE43, IF42
Prerequisites: CEB261, CEB362
Credit Points: 8
Contact Hours: 3 per week

■ CEB561 COASTAL ENGINEERING
Coastal engineering: wave theory, recording and analysis, wave generation; coastal processes, tides, surges, etc. currents, sediment movement, foreshore protection; coastal inlets, canal systems; planning and design of coastal structures; hydraulic models.
Courses: CE42, CE43, IF42
Prerequisites: CEB261
Credit Points: 8
Contact Hours: 3 per week

■ CEB564 ENGINEERING SCIENCE 4
Road pavement and building footing appraisal methods; earthworks and reclamation design/testing procedures; local authority/DPD design guidelines for water supply and sewerage reticulation, all fitments and testing: roads earthworks, pavements, surfacing, etc.; stormwater trenching, bedd ing and backfilling; water/sewer trenching, bedd ing, testing and backfilling; other services conducts, specifications and estimating procedures; preparation of selected engineering design plans roadworks, stormwater and other services; other engineered services for land development projects; material selected to suit the student group; costing of engineering services; use of planning figures and unit costs; design office exercises in reading data from plans estimating costs, and preparing original designs and modifications to roads, water supply, sewerage and other engineered services.
Courses: PS47, PS48
Credit Points: 6
Contact Hours: 3 per week

■ CEB570 WASTE MANAGEMENT
Basic solid waste management (domestic, commercial and industrial wastes); the general principles of industrial liquid waste management, with examples of some important industries.
Courses: CE42, CE43, IF42
Prerequisites: CEB370, CEB371, SCB246
Credit Points: 8
Contact Hours: 3 per week

■ CEB575 ENVIRONMENTAL IMPACT ASSESSMENT
Introduction to the techniques of environmental management. Environmental impact assessment and the evaluation of critical environmental problems.
Courses: CE42, CE43, IF42
Prerequisites: CEB370, CEB371, SCB246
Credit Points: 8
Contact Hours: 3 per week

■ CEB701 CIVIL ENGINEERING QUANTITIES 1
The measurement of civil engineering works based on the study of SMM of Civil Engineering Quantities. Detailed study of construction methods, plant, specification and measurement of: earthworks (clearing, compaction and dredging); roadworks (survey, bulk excavation and filling, pavement construction, kerbing, culverts); and bridges (abutments, superstructures, approach embankments, safety structures, types of bridge structures, foundations, prestressed concrete). It includes a brief introduction to computer applications such as earthwork calculations, etc.
Courses: CN31, CN33
Prerequisites: CNB341
Credit Points: 4
Contact Hours: 2 per week

■ CEB901 CIVIL ENGINEERING QUANTITIES 2
Further study of SMM for industrial engineering construction leading to the measurement of dams, earthworks, storage volumes, etc.; refinery and processing plant, pipework, vessels, tanks, instrumentation, electrical commissioning, scaffold, shut down maintenance: pipelines, environmental assessment, construction, stations; mining, plant and equipment, conveyor, processing plant, etc.; oil and gas, offshore platforms, fabrications, etc.; cost engineering and cost control on engineering projects.
Courses: CN33
Prerequisites: CEB701
Credit Points: 4
Contact Hours: 2 per week

■ CEP107 CONSTRUCTION MANAGEMENT & ECONOMICS
The management of operational features of engineering practice. Topics include engineering economics, contracts, plant and labour considerations of concern to the engineer and manager.
Courses: CE63, CE74
Credit Points: 8
Contact Hours: 2 per week
CEP109 MUNICIPAL LAW & REGULATIONS
The legislative framework for municipal engineering in Queensland. The various acts and regulations affecting the practising municipal engineer including powers and responsibilities are covered.
Courses: CE63, CE74
Credit Points: 8
Contact Hours: 2 per week

CEP127 ROAD & TRAFFIC ENGINEERING
Urban traffic management, parking systems, surveys, intersection analysis; the design and evaluation of the urban road network; design of rural roads and pavement structures; pavement management.
Courses: CE63, CE74
Credit Points: 12
Contact Hours: 3 per week

CEP128 MUNICIPAL ENGINEERING PLANNING
The principles of town and regional planning for municipal engineers in Queensland. The objectives and methodology of planning, practical problem solving, legislation and other factors of concern to the municipal and development engineer.
Courses: CE63, CE74
Credit Points: 12
Contact Hours: 3 per week

CEP131 ENGINEERING MANAGEMENT & ADMINISTRATION
Management principles and functions. Strategic and tactical planning, forecasting, decision-making. Budgeting and controls in organisations, techniques of project control. Human resources, managing change and development. Formulation of policy within a local authority. Local authority internal organisation, management, powers, responsibilities and functions, accounting and budgetary cycles, sources of finance and expenditure patterns.
Courses: CE63, CE74, IF64
Credit Points: 8
Contact Hours: 2 per week

CEP172 WATER QUALITY ENGINEERING
Liquid wastes and their effect on receiving waters. Dispersion and decay of pollutants in the water environment. Water quality standards and objectives.
Courses: CE63, CE74
Credit Points: 12
Contact Hours: 3 per week

CEP174 PUBLIC HEALTH ENGINEERING PRACTICE
Water supply network analysis, water sources, reservoirs, pumps, water hammer, sewerage systems, pump stations, corrosion, water quality, and wastewater treatment
Courses: CE63, CE74
Credit Points: 12
Contact Hours: 3 per week

CEP200 PROCESS MODELLING
Role of models in engineering design and investigation. Principles of modelling techniques and their uses, limitations and relevant applications.
Courses: CE63, CE74
Credit Points: 8
Contact Hours: 2 per week

CEP215 ADVANCED TRAFFIC ENGINEERING
Traffic flow theory and traffic management. Analytical and computer analysis routines for urban intersection design, their background and applications.
Courses: CE63, CE74
Credit Points: 8
Contact Hours: 2 per week

CEP218 TRANSPORTATION ENGINEERING
Techniques for the appraisal of rural and urban area road systems, bus operations, airport design, construction and maintenance.
Courses: CE63, CE74
Credit Points: 12
Contact Hours: 3 per week

CEP276 ADVANCED TREATMENT PROCESSES
The design and operation of water and wastewater treatment plants, including conventional and alternative processes. Current practice and development.
Courses: CE63, CE74
Credit Points: 8
Prerequisites: CEP174
Contact Hours: 2 per week

CEP277 WASTE MANAGEMENT
Characteristics and analysis of solid wastes. Collection, storage, transportation, handling, recycling and disposal. Sources and characteristics of industrial liquid wastes. Treatment design methodology. Pilot scale modelling and investigation. Case studies of selected classes of industrial wastes.
Courses: CE63, CE74
Corequisites: CEP174
Credit Points: 12
Contact Hours: 3 per week

CEP290 ENVIRONMENTAL LAW & ASSESSMENT
Courses: CE63, CE74
Credit Points: 8
Contact Hours: 2 per week

CEP310 URBAN TRANSPORTATION PLANNING
Transportation planning applications; road needs, urban transport, local area planning. Macro land use/transportation and micro urban transportation models; urban transportation zone selection and data needs; trip generation; model splits; surveying.
Courses: CE63, CE74
Credit Points: 8
Contact Hours: 2 per week

CEP361 DRAINAGE ENGINEERING
Drainage engineering for municipal engineers, road and railway designers, irrigation and general civil engineers. Rainfall and runoff models, both rational and computer models; drainage hydraulics of roof, streets, pipes, open channels, retention basins, culverts and bridges; erosion, sedimentation aspects of drainage, costs, planning policies, and the law.
Courses: CE63, CE74
Credit Points: 8
Contact Hours: 2 per week

CEP491 MUNICIPAL ENGINEERING PRACTICE
A prescribed program of individual supervised study in a selected area within the field of municipal engineering, involving one or more major assignments together with appropriate tutorials.
Courses: CE63
Credit Points: 16
Contact Hours: 4 per week

CEP998 PROJECT B
The student is required to investigate in depth a shorter approved topic than that required in CEP999. The results are presented in a major formal report.
Courses: CE74
Credit Points: 20
Contact Hours: 5 per week

CEP999 PROJECT A
The student is required to investigate in depth a substantial approved topic within the range of civil engineering practice and to carry out design, computing, model or experimental design and construction, experimental work and testing. The results are presented in a major formal report.
Courses: CE74
Credit Points: 36
Contact Hours: 9 per week

CHA110 LABORATORY TECHNIQUES
Introduces safe and proficient procedures in the laboratory, and gives practice in the manipulation of common laboratory apparatus, equipment and reagents. On completion the student should be able to handle, correctly and safely, all the basic pieces of laboratory equipment and be familiar with their main functions and limitations. The program includes a formal treatment of laboratory safety and occupational health.
Courses: SC15
Credit Points: 8
Contact Hours: 3 per week

CHA140 CHEMISTRY
An integrated course of fundamental chemistry covering: the nature of chemistry; atomic, molecular and nuclear structure; bonding and types of bonds; the structure and nature of matter; molecular formulae, atomic and molecular weights; the
periodic classification; reduction/oxidation, chemical equilibria; liquids and solutions and simple phase equilibria in electrolyte solutions; pH and its measurement; carbon chemistry and functional groups; the chemistry and properties of some common laboratory chemicals. Practical applications are emphasised.

**Courses:** SC15

**Credit Points:** 8  
**Contact Hours:** 3 per week

**CHA210 ANALYTICAL CHEMISTRY 1**

A lecture and laboratory program on the theory and techniques of both qualitative and quantitative analysis. Qualitative methods cover anion, cation, as well as simple organic functional group identifications. Titrimetric methods include neutralimetry, redoximetry, precipimitetry and compleximetry.

**Courses:** SC15  
**Prerequisites:** CHA110  
**Credit Points:** 12  
**Contact Hours:** 5 per week

**CHA240 INSTRUMENTAL TECHNIQUES**

An overview of the principles and practice of modern instrumental analysis, including the nature of electromagnetic radiation and its interaction with matter; use of visible, UV and IR spectroscopy; emission and absorption phenomena; chromatographic techniques and electroanalytical methods. Included also is a requirement for completion of a Senior First Aid Certificate.

**Courses:** SC15  
**Prerequisites:** CHA210  
**Credit Points:** 8  
**Contact Hours:** 4 per week

**CHA250 ORGANIC CHEMISTRY 1**

An introduction to functional group chemistry including hydrocarbons, aromatic compounds, organic halides, alcohols, phenols and ethers and also an introduction to the use of infrared spectroscopy to indicate the presence of particular functional groups.

**Courses:** SC15  
**Prerequisites:** CHA140  
**Credit Points:** 3 per week

**CHA271 PHYSICAL & INORGANIC CHEMISTRY 1**

This is the first part of an integrated syllabus of physical chemistry covering the fundamental aspects of chemical energies, solution chemistry, equilibria; practical applications. Inorganic chemistry covers atomic theory, the electronic build up of the elements, bonding and molecular orbitals, and general structure – property relationships for elements and compounds.

**Courses:** SC15  
**Prerequisites:** CHA140  
**Credit Points:** 12  
**Contact Hours:** 5 per week

**CHA280 CONSUMER CHEMISTRY**

A coverage of the chemistry of the ‘consumer chemicals’ in everyday use in both the home and in the work environment, including foods and food additives, detergents, pesticides, fuels and oils and other products of commercial interest.

**Courses:** SC15  
**Prerequisites:** CHA140  
**Credit Points:** 8  
**Contact Hours:** 3 per week

**CHA310 ANALYTICAL CHEMISTRY 2**

Lectures and practical work are designed to develop further the basic titrimetric and gravimetric analysis principles introduced in Analytical Chemistry 1. The program features the analysis of commercial materials with emphasis on sampling and sample dissolution techniques.

**Courses:** SC15  
**Prerequisites:** CHA210 (or CHA218)  
**Credit Points:** 8  
**Contact Hours:** 3 per week

**CHA311 INSTRUMENTAL ANALYTICAL CHEMISTRY**

A course of lectures and practical work introducing the principles and practices of mass spectrometry, fluorescence spectroscopy and ICP together with further development of selected topics from CHA240.

**Courses:** SC15  
**Prerequisites:** CHA210 (or CHA218), CHA240  
**Corequisites:** CHA310  
**Credit Points:** 8  
**Contact Hours:** 4 per week

**CHA350 ORGANIC CHEMISTRY 2**

Continues the study of functional groups and includes stereo and optical isomerism, carbonyl compounds, carboxylic acids and their derivatives, organic nitrogen compounds, carbohydrates and infrared spectroscopy of selected functional groups.

**Courses:** SC12, SC15  
**Prerequisites:** CHA250  
**Credit Points:** 8  
**Contact Hours:** 3 per week

**CHA371 PHYSICAL & INORGANIC CHEMISTRY 2**

The second part of the integrated syllabus of physical chemistry including chemical kinetics, surface chemistry and elementary electrochemistry. Inorganic chemistry is also extended beyond the basic principles from the preceding unit CHA271 to reaction chemistry.

**Courses:** SC15  
**Prerequisites:** CHA271 (or CHA270)  
**Credit Points:** 8  
**Contact Hours:** 3 per week

**CHA410 COMPUTERS IN CHEMISTRY**

The applications of computers in various aspects of chemical laboratory and process automation is covered together with the principles of analysis and interpretation of chemical data using computers. Practical exercises will illustrate principles of data acquisition and computer control as well as the use of spreadsheets, statistical and database software packages.

**Courses:** SC15  
**Prerequisites:** CSA259  
**Credit Points:** 8  
**Contact Hours:** 3 per week

**CHA411 INDUSTRIAL ANALYSIS**

A course involving the use of both qualitative (semi-micro) and quantitative techniques in the analysis of commercially important materials, including ores, cement, fertilisers, fats, oils and sugar products.

**Courses:** SC15  
**Prerequisites:** CHA310, CHA311, (or CHA318, CHA319)  
**Credit Points:** 8  
**Contact Hours:** 3 per week

**CHA420 INDUSTRIAL CHEMISTRY 2**

The underlying fundamental chemistry and the chemical technology involved in, for example, the petroleum and petrochemical industry, the polymer, plastic and adhesive industries, the paint industry, water treatment plants, metal extraction from ores, and the inorganic chemistry used in the fertilizer industry. Field trips are an integral part of this unit.

**Courses:** SC15  
**Prerequisites:** CHA250, CHA321 (or CHA320)  
**Credit Points:** 8  
**Contact Hours:** 3 per week

**CHA450 ORGANIC CHEMISTRY 3**

The chemistry and uses of organic compounds encountered in industry, such as agricultural chemicals, fats and oils, waxes, detergents, dyes, drugs, elastomers, fibres, adhesives and cellulose derivatives.

**Courses:** SC15  
**Prerequisites:** CHA350  
**Credit Points:** 8  
**Contact Hours:** 3 per week

**CHA470 PHYSICAL CHEMISTRY 3**

The third part of the integrated syllabus of physical chemistry; covers the areas of applied electrochemistry, corrosion, distillation and extraction. Practical applications are emphasised.

**Courses:** SC15  
**Prerequisites:** CHA371 (or CHA370)  
**Credit Points:** 8  
**Contact Hours:** 3 per week

**CHB001 INTRODUCTORY CHEMISTRY**

For students without a pass in Senior Chemistry. Scientific measurement, atomic structure, periodic table, chemical equations, stoichiometry and calculations, chemical bonding, chemical reactivity, acids and bases, redox systems, matter, thermodynamics, enthalpy, heat of reactions, organic chemistry.

**Courses:** SC30  
**Credit Points:** 6  
**Contact Hours:** 3 per week

**CHB002 INTRODUCTION TO ENGINEERING CHEMISTRY**

The foundations of the principles of chemistry; the basic concepts of stoichiometry; properties of the elements of the peri-
chod table; chemical equilibria, acids and bases; offered for engineering students without sound achievement in chemistry and serves as the foundation for further engineering chemistry units.

**Courses:** CE31, CE42, EE43, ME45

**Credit Points:** 2  
**Contact Hours:** 2 per week

**CHB003 ENGINEERING CHEMISTRY (B)**
The chemistry of carbon; covalent bonding; families of organic compounds, functional groups, their properties and reactions; biologically important molecules including carbohydrates, lipids, proteins, enzymes, synthetic polymers and their use in bio-medical engineering.

**Courses:** ME46

**Credit Points:** 8  
**Contact Hours:** 3 per week

**CHB142 CHEMISTRY 1**
Atomic theory and chemical bonding. Inorganic chemistry: classification of inorganic compounds; nomenclature and chemical reactions of selected inorganic compounds; safety and material safety data sheets; equations and calculations. Chemical analysis: acidimetry and alkaliometry, indicators, redox, precipitometry, accuracy, precision. Physical chemistry: aqueous solutions and biological systems; colloids and body fluids; redox processes and their application to life science. Organic chemistry: introductory organic chemistry including the essential function of organic compounds in biological systems, concepts of functional groups, naming organic compounds, the principal types of reactions in organic chemistry.

**Courses:** LS36, OP42, PU42, PU44, PU45, SC30

**Credit Points:** 12  
**Contact Hours:** 6 per week

**Incompatible with:** CHB182

**CHB149 PRINCIPLES OF CHEMISTRY**
For students without a pass in Senior Chemistry this unit combines introductory chemistry with an introduction to laboratory techniques and practice in the manipulation of common elementary laboratory apparatus, equipment and reagents.

**Courses:** PU49

**Credit Points:** 12  
**Contact Hours:** 6 per week

**CHB173 CHEMISTRY 1A**
States of matter: gases, liquids, solids; kinetic theory of gases, real gases; thermodynamics: forms of energy, work and heat; thermochromy, enthalpies of formation, combination, etc.; thermochromical calculations; entropy, force energy, spontaneity of reactions; equilibria: equilibrium constants, homogeneous and heterogeneous equilibria; ionic equilibria – acids and bases, pH, buffer solutions, acid-base titrations; kinetics: rates of chemical processes, dependence of rate on concentration, order of reaction, integrated rate equations; experimental methods; temperature dependence of rate constant; catalysis; conductance: introduction to electrochemistry; bonding theory and foundations of spectroscopy: quantum theory, classical mechanics; the dynamics of microscopic systems, Schrödinger equation, translational, rotational and vibrational motions; atomic spectral structure, quantum numbers and orbitales, electron spin.

**Courses:** CH32

**Prerequisites:** Year 12 Chemistry – Sound Achievement or CHB001

**Credit Points:** 12  
**Contact Hours:** 6 per week

**CHB182 CHEMISTRY 1**
Chemical stoichiometry; thermochromy, atomic structure; chemical bonding; chemical reactions; carbon compounds; states of matter; chemical equilibrium; acids and bases; ions and ionic equilibria.

**Courses:** ED50, SC30

**Prerequisites:** Year 12 Chemistry – Sound Achievement or CHB001

**Credit Points:** 12  
**Contact Hours:** 6 per week

**Incompatible with:** CHB142

**CHB183 CHEMISTRY 1B**
Fundamental studies in two of the three sub-discipline areas of chemistry – inorganic chemistry and organic chemistry; the periodic table; acids, bases and salts; chemical reactions and stoichiometry; chemistry of hydrogen; chemistry of oxygen; principles of bonding in compounds of carbon; structural and electrical effects in compounds of carbon; chemical reactivity of organic molecules; radical reactions of organic hydrocarbons; mechanism and industrial significance, halocarbons and industrial solvents; addition reactions of alkenes, mechanism and industrial significance, polymers and plastics.

**Courses:** CH32

**Prerequisites:** Year 12 Chemistry – Sound achievement or CHB001

**Credit Points:** 12  
**Contact Hours:** 6 per week

**CHB2013 CONCEPTS OF ANALYTICAL CHEMISTRY**
Scope and limitation of analytical chemistry; role of analytical chemistry in society and technology; laboratory equipment and safety; chemical safety; types of analyses; analytical methodology; data handling; an overview of advanced analytical techniques.

**Courses:** CH32, ED50, SC30

**Prerequisites:** CHB173 or CHB182

**Credit Points:** 12  
**Contact Hours:** 5 per week

**CHB242 CHEMISTRY 2**

**Courses:** LS36, OP42, PU42, PU44, SC30

**Contact Hours:** 6 per week

**CHB253 CHEMISTRY 2B**
Builds on the fundamental concepts studied in Chemistry 1B CHB183 and develops a knowledge of organic mechanism as a tool for understanding the nature of organic chemical change; the use of modern spectroscopic techniques in structure elucidation.

**Courses:** CH32

**Prerequisites:** CHB183

**Credit Points:** 12  
**Contact Hours:** 5 per week

**CHB259 ORGANIC CHEMISTRY**
The chemistry of carbon; covalent bonding; families of organic compounds, their properties and reactions; bio-molecules and polymers, carbohydrates, lipids, proteins, enzymes.

**Courses:** PU49

**Prerequisites:** CHB001

**Credit Points:** 12  
**Contact Hours:** 5 per week

**CHB282 CHEMISTRY 2**
Atomic structure; chemical bonding; thermo-dynamics; oxidation and reduction; electrochemistry; coordination chemistry; metals, metallurgy, transition elements; silicon, silicates, semiconductors; stereochemistry and optical activity; alcohols, phenols, ethers, amines; aldehydes and ketones, carboxylic acids and functional derivatives of carboxylic acids; infrared spectroscopy.

**Courses:** ED50, SC30

**Prerequisites:** CHB182

**Credit Points:** 12  
**Contact Hours:** 6 per week

**CHB283 CHEMISTRY 2A**
Continuation of the fundamental studies already commenced in two of the three sub-discipline areas of chemistry. Thermo-dynamics; surface chemistry; equilibrium electrochemistry; liquids and solutions; the Phase Rule. Chemistry of non metals; chemistry of metals; coordination chemistry; nuclear chemistry.
Courses: CH32
Prerequisites: CHB173, CHB183, MAB200, PHB122
Credit Points: 12
Contact Hours: 5 per week

■ CHB289 ORGANIC & PHYSICAL CHEMISTRY
Physical chemistry: Calorimetry – the underlying principle, first and second laws of thermodynamics; gases and respiration, Boyle’s Law and the breathing process, Charles Law, Henry’s Law and oxygen hyperbaric therapy, Graham’s Law; Speed control of chemical and biochemical processes. Organic chemistry: the chemistry of hydrocarbons, stereochemistry, functional group chemistry, polyfunctional compounds, biologically important organic compounds including sugars, polycarboxylic acids, lipids, peptides and proteins, heterocyclic compounds.
Courses: PU45
Prerequisites: CHB142
Credit Points: 8
Contact Hours: 4 per week
Incompatible with: CHB242, CHB282

■ CHB313 ANALYTICAL CHEMISTRY 3
Analytical techniques including volumetric glassware, basic laboratory equipment, laboratory balances (top-pan and analytical), sampling, sample dissolution principles; neutralimetry; redoximetry; precipitometry; compleximetry; gravimetry; treatment of results; instrumental methods.
Courses: CH32, ED50, SC30
Prerequisites: CHB253, CHB282 or CHB283
Credit Points: 12
Contact Hours: 5 per week

■ CHB333 INORGANIC CHEMISTRY 3
Coordination chemistry; bonding and structure of metal complexes including crystal field theory and valence bond theory; ion an introduction to group theory; spectroscopic terms; solution chemistry – the structure of water; aqueous solutions; inorganic properties of water; distribution diagrams; hydrolysis; EH/pH diagrams; biorganic chemistry – biological significance of ligands and metals; HSAB theory; complex equilibria: applications with examples of selected bioinorganic systems – proteins, haem, etc.; chemistry of lanthanides and actinides; chemistry of selected non-metals; chemistry of precious metals.
Courses: CH32, ED50, SC30
Prerequisites: CHB282 or CHB283
Credit Points: 12
Contact Hours: 5 per week

■ CHB346 ENGINEERING CHEMISTRY C
Specialised chemistry unit designed for civil engineers and includes such topics as pH control; the chemistry of materials; polymers and composites; corrosion and its prevention.
Courses: CE42
Prerequisites: CHB002 or equivalent
Credit Points: 4
Contact Hours: 2 per week

■ CHB352 ORGANIC CHEMISTRY 3
Fundamentals of organic reactions; major mechanistic classes, nucleophilic substitution, elimination, electrophilic addition, nucleophilic addition, electrophilic substitution; ultraviolet spectroscopy: electronic transitions, chromophores, bathochromic and hypsochromic shifts, sampling; infrared spectroscopy: classification of vibrations, effects of: molecular association, conjugation, cumulation, α-halogen, ring and steric strain. Sampling: nuclear magnetic resonance – basic principles, classification of nuclei, the shielding constant. (xxx)1H spectra, areas and integrals, chemical shifts and coupling. Sampling.
Courses: ED50, SC30
Prerequisites: CHB282
Credit Points: 12
Contact Hours: 5 per week

■ CHB353 ORGANIC CHEMISTRY 3A
The chemistry of carboxylic acids and their functional derivatives, carbamion chemistry including aldol and Claisen condensations; optical and geometrical isomers, stereochemical formulae, the sequence rules and nomenclature, the polarimeter and specific rotation; conformation of ethane, butane, small rings, cyclohexane and substituted cyclohexanes; ultraviolet spectroscopy; infrared spectroscopy; nuclear magnetic resonance.
Courses: CH32
Prerequisites: CHB183, CHB283
Credit Points: 12
Contact Hours: 5 per week

■ CHB372 PHYSICAL CHEMISTRY 3
Equilibrium electrochemistry: models of the electrified interface, absolute electrode potential, ionic absorption, electrocapillary curves, surface excess, molecular adsorption; phase rule: derivation of phase rule, applications to one component, binary, condensed and ternary systems; thermodynamics: second and third laws; free energy and chemical equilibrium ideal systems; chemical kinetics: order and molecularity of reactions, temperature effects. Reaction rate theories, complex reactions; bonding theory: orbitals and energies of the hydrogen atom; many electron atoms, molecular orbitals; spectroscopy: interaction of radiation with matter. Principles, instrumental design and applications of rotational, vibrational and electronic spectroscopy.
Courses: ED50, SC30
Prerequisites: CHB282 or CHB283
Credit Points: 12
Contact Hours: 5 per week

■ CHB373 PHYSICAL CHEMISTRY 3A
Equilibrium electrochemistry; applied phase chemistry; applied thermodynamics: second and third laws; kinetics: complex reactions, mechanisms; spectroscopy: interaction of radiation with matter.
Courses: CH32
Prerequisites: CHB282 or CHB283
Credit Points: 12
Contact Hours: 5 per week

■ CHB402 CHEMICALS IN SOCIETY
An introduction to the role of chemistry and its products in society. Historical and societal aspects are incorporated in the study of a number of relevant applications of chemistry in consumer products. Topics include: chemical hazards, drugs and medicine, water purity, food chemistry, synthetic substances and resources and the environment.
Courses: PU42, PU44, SC30
Prerequisites: CHB242 or CHB282
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: A major in Chemistry or CHB313

■ CHB411 ENVIRONMENTAL ANALYTICAL CHEMISTRY
Lectures and practicals in the biological sciences dealing with the principles and application of sampling, and electrometric/spectroscopic/thermal separation to the analysis of materials from the biosphere.
Courses: PU42, PU44, SC30
Credit Points: 12
Contact Hours: 5 per week

■ CHB423 CHEMICAL TECHNOLOGY 4
The chemical industry; process flowsheets; sources and interpretation of data; industrial stoichiometry; material and energy balance calculations for both principles of particle mechanics and their applications in solids handling; grinding; classification; solid-liquid separation operations; solid-fluid contacting operations; fluid mechanics and their applications in storage, transport, mixing and dispersing operations; liquid-liquid extraction operations.
Courses: CH32, ED50, SC30
Prerequisites: PHB122, CHB373 or CHB372
Credit Points: 12
Contact Hours: 5 per week

■ CHB453 ORGANIC CHEMISTRY 4
A critical analysis of the chemistry of five and six-membered heterocyclic systems with a single hetero atom; preparation, stability and applications to organo synthesis of the main group organometallic compounds; rearrangement reactions which involve 1, 2-shifts to electron-deficient elements; principles and practice of thin-layer chromatography, gas-liquid and high performance liquid chromatography in the separation and analysis of organic compounds.
Courses: CH32, ED50, SC30
Prerequisites: CHB352 or CHB353
Credit Points: 12
Contact Hours: 5 per week

■ CHB466 ENVIRONMENTAL CHEMISTRY
An introduction to environmental chemistry for engineers. Introduces chemistry of environmental processes in atmosphere and hydrosphere. Effects of pollutants on the environment. Review of analytical techniques. Global issues includ-
ing greenhouse, acid rain and ozone depletion.

**Courses:** CE42
**Credit Points:** 6
**Contact Hours:** 3 per week

**CHB473 PHYSICAL CHEMISTRY 4**
Thermodynamics; surface chemistry; dynamic electrochemistry; chemical kinetics.

**Courses:** CH32, ED50, SC30
**Prerequisites:** CHB372 or CHB373
**Credit Points:** 12
**Contact Hours:** 5 per week

**CHB513 INSTRUMENTAL ANALYSIS 5**
Quality assurance, data analysis, trace analysis, methods reliability, accuracy, precision, sensitivity, selectivity, limit of detection, comparative studies; atomic spectroscopy, theory and instrumentation; mass spectrometry, introductory theory and instrumentation; liquid chromatography, ion chromatography, practices and principles.

**Courses:** CH32, SC30
**Prerequisites:** CHB313, CHB372, CHB373, CHB453
**Credit Points:** 12
**Contact Hours:** 5 per week

**CHB523 CHEMICAL TECHNOLOGY 5**
Principles of heat transfer and their applications in heat exchange and evaporative operations; distillation; principles of mass transfer in gas absorption psychrometry, drying and membrane operations. Physical property (thermodynamic and transport) estimation techniques for gases, liquids and solids. Introduction to process simulation and analysis with the aid of Aspen software.

**Courses:** CH32, SC30
**Prerequisites:** CHB423, CHB473
**Credit Points:** 12
**Contact Hours:** 5 per week

**CHB533 INORGANIC CHEMISTRY 5**
Chemistry of selected metalloids; organometallic chemistry; inorganic reaction mechanisms; special interest metals; development of principles of group theory; symmetry operations and inorganic IR spectra; UV-visible spectra; bioinorganic chemistry of special molecules; lasers and inorganic chemistry.

**Courses:** CH32, SC30
**Prerequisites:** CHB333
**Credit Points:** 12
**Contact Hours:** 5 per week

**CHB553 ORGANIC CHEMISTRY 5**
Principles of retrosynthesis, concepts of functional group equivalence and interconversions, disconnections, synths, strategies and tactics, selectivity and control, protecting groups. Synthesis of the major classes of organic compounds, including difunctional compounds, by carbon-carbon bond formation. Selectivity in oxidation and reduction. Introduction to the use of computers in synthesis design. Sources of raw materials for organic chemicals preparation of synthesis (‘syn’) gas, chemical conversions using syn gas, reactions of alkenes and aromatic feedstocks to produce common chemicals, preparation and chemistry of polymers, the industrial preparation of selected pharmaceuticals.

**Courses:** CH32, SC30
**Prerequisites:** CHB453
**Credit Points:** 12
**Contact Hours:** 5 per week

**CHB573 PHYSICAL CHEMISTRY 5**
Kinetics; colloid chemistry; phase equilibria; quantum mechanics; statistical mechanics.

**Courses:** CH32, SC30
**Prerequisites:** CHB473
**Credit Points:** 12
**Contact Hours:** 5 per week

**CHB603 PROJECT**
A variety of chemical problems reflecting teaching, research and consultancy interest of the staff.

**Courses:** CH32, SC30
**Prerequisites:** One of CHB573, CHB553 or CHB533 and CHB513 or CHB523
**Credit Points:** 12
**Contact Hours:** 5 per week

**CHB613 INSTRUMENTAL ANALYSIS 6**
Instrumental analysis including the principles and practices of XRF; thermal analysis, electrometric methods including voltammetry, amperometry; data acquisition, methods of automated analysis, flow-based analysers, robotics, computer networks, laboratory information management systems, chemical databases; chemometrics, optimisation techniques, multiple regressions, advanced quality assurance, inter-laboratory comparisons; computer interfacing, microprocessor controlled instruments, A-D/D-A converters, I/O methods including polling, interrupt techniques, direct memory access.

**Courses:** CH32, SC30
**Prerequisites:** CHB513
**Credit Points:** 12
**Contact Hours:** 5 per week

**CHB623 CHEMICAL TECHNOLOGY 6**

**Courses:** CH32, SC30
**Prerequisites:** CHB523
**Credit Points:** 12
**Contact Hours:** 5 per week

**CHB643 APPLIED SPECTROSCOPY**
Nuclear magnetic resonance spectroscopy; vibrational spectroscopy; remote spectroscopy; Uv/vis and fluorescence spectroscopies.

**Courses:** CH32, ED50, SC30
**Prerequisites:** CHB372 or CHB373 and CHB352 or CHB353
**Credit Points:** 12
**Contact Hours:** 5 per week

**CHB653 APPLIED BIOLOGICAL CHEMISTRY**
The emerging importance of secondary plant metabolites in medicine; the main biosynthetic pathways leading to secondary plant metabolites; mechanistic aspects of enzyme reactions and the importance of phosphate; a detailed study of a selection from the main biosynthetic pathways; structural determination and synthesis of selected secondary metabolites.

**Courses:** CH32, SC30
**Prerequisites:** CHB553
**Credit Points:** 12
**Contact Hours:** 5 per week

**CHB663 ENVIRONMENTAL CHEMISTRY**
Toxicology; water quality, its assessment; modelling reactions in water bodies; air quality; criteria pollutants and health effects; indoor pollutants; monitoring; dispersion of pollutants; control techniques.

**Courses:** CH32, ED50, SC30
**Prerequisites:** CHB372 or CHB373
**Credit Points:** 12
**Contact Hours:** 5 per week

**CHB700 RESEARCH PROJECT**
All students undertaking Honours are required to select and undertake, in consultation with a supervisor, a substantial project in an appropriate area. Each project is assessed on the basis of an extensive written report and an oral presentation.

**Courses:** SC60
**Credit Points:** 48

**CHB701 COMPLEMENTARY STUDIES FOR CHEMISTS**
Studies may include a selection from: participation in research seminars; oral communication skills; written communication skills; formal coursework in occupational health and safety, scientific and industrial ethics, development of research management strategies; and coursework material from other accredited courses as directed by the course coordinator and Head of School.

**Courses:** SC60
**Credit Points:** 8

**CHB740 ELECTIVE STUDIES 1**
Advanced studies on a topic of particular relevance to the student’s research project; topics studied are normally in specific areas of physical chemistry, analytical chemistry, inorganic chemistry or organic chemistry. A supervised reading program is involved and the unit may also include a formal lecture program. Relevant material from other accredited courses may be included as part or all of the requirement for this unit as directed by the Course Coordinator and Head of School.
Courses: SC60  
Credit Points: 6  
Contact Hours: 2 per week

■ CHB780 ADVANCED TOPICS IN CHEMISTRY 1
This is the first semester of a two semester unit covering a selection of advanced topics in the areas of physical, organic and inorganic chemistry. The topics offered reflect the expertise of the academic staff as well as the needs of the students. This unit is assessed at the end of the year with CHB880.
Courses: SC60  
Credit Points: 12  
Contact Hours: 6 per week

■ CHB880 ADVANCED TOPICS IN CHEMISTRY 2
This unit is a continuation from CHB780. The unit is assessed at the end of the year.
Courses: SC60  
Credit Points: 12  
Contact Hours: 6 per week

■ CHN701 TOPICS IN ADVANCED CHEMISTRY 1
A series of lectures and/or a reading program and/or selected laboratory exercises designed to provide the student with the appropriate theoretical and practical background, at an advanced level, necessary for the completion of a research program.
Courses: SC80  
Credit Points: 12

■ CHN704 RESEARCH TECHNIQUES
Development of theoretical and laboratory skills required to enable rapid progress with the research proposed for Stage 2 of the program.
Courses: SC80  
Credit Points: 12

■ CHN705 RESEARCH METHODOLOGY
A guided program of literature surveys to provide the background information for the research project. This unit enables students to develop theoretical and communication skills required for the successful conduct of a chemical research project.
Courses: SC80  
Credit Points: 12

■ CHN710 CHEMICAL INSTRUMENTATION
Chemical instrumentation and electronics required for advanced level operation of scientific instrumentation.
Courses: SC80  
Credit Points: 12

■ CHN720 CHEMOMETRICS
The concepts of chemical data acquisition and interpretation; computational methods and existing software packages for statistical analysis in chemistry; statistical methods in quality and process control; sampling procedures; multivariate analysis and optimisation techniques.
Courses: SC80  
Credit Points: 12

■ CHN730 ADVANCED PHYSICAL METHODS IN CHEMISTRY
The theoretical and practical principles of selected physical methods in chemistry.
Courses: SC80  
Credit Points: 12

■ CHN740 LABORATORY TECHNIQUES FOR PREPARATIVE CHEMISTRY
The experimental techniques for the preparation and isolation of pure substances.
Courses: SC80  
Credit Points: 12

■ CHN801 TOPICS IN ADVANCED CHEMISTRY 2
See CHN701.
Courses: SC80  
Credit Points: 12

■ CHP120 BIOCHEMICAL ENGINEERING
The application of biological organisms, systems and processes to productive level activities; specific areas are in fermentation, bioprocessing and enzyme technology. Topics include: fermentation processes; microbial physiology and environmental factors in processing operations; fermentation kinetics and modelling; aeration and agitation; sterilisation; bio-reactors; and scale-up. Other topics are selected from animal cell culture, protein biotechnology, downstream processing and bio-process economics.
Courses: LS65, LS70, SC60, SC80  
Credit Points: 12  
Contact Hours: 5 per week

■ CHP220 PRINCIPLES OF BIOPROCESSING
The principles and practices necessary for the optimum and safe production of biological chemicals (e.g. organic chemicals, pharmaceuticals, proteins, etc.) derived from biological systems. An emphasis is placed on utilising recombinant organisms (microbial, plant, animal and insect cells). Such systems create special technical problems and challenges in bioprocessing and these are examined at the productive (fermentation and induction) and bioseparations levels in an integrated way. Where appropriate, such bioprocess analyses consider possible alternatives on a cost-effectiveness basis.
Courses: LS70  
Credit Points: 12  
Contact Hours: 4 per week

■ CHP320 DOWNSTREAM PROCESSING
Introduction to the fundamental problems of separation operations important to the recovery of commercial products from biological processes. Topics include: cell recovery and disruption, membrane technology, chromatographic techniques, electro-chemical separation and new bio-separation techniques. Instruction includes case studies and Aspen bioprocess simulation.
Courses: LS70  
Credit Points: 12  
Contact Hours: 5 per week

■ CHP420 BIOPROCESS ENGINEERING LABORATORY
This laboratory based unit provides instruction and training of bioprocess operations through experimental work linked to explanatory tutorials. Experiments focus on fermentation operations utilising microbial, plant, animal and insect cells (e.g. cell kinetics, product formation, mass transfer problems), applied enzymology, and bioseparations (cell disruption and separation, membrane and chromatographic techniques). In the case of recombinant organisms an integrated approach is taken for fermentation, protein induction, and bioseparation. There is the opportunity for either a small project or a process plant design.
Courses: LS70  
Credit Points: 12  
Contact Hours: 4 per week

■ CHP691 ENVIRONMENTAL CHEMISTRY
The nature and composition of natural and polluted waters; metal ions, gases, redox equilibria complexation and microbial transformation of chemicals in water; water pollution and trace-level substances in water. Environmental chemistry of soils; acid-base equilibria and ion-exchange; chemicals in soil. The nature and composition of the atmosphere; chemical and photochemical reactions in the atmosphere; the oxides of carbon, sulphur.
Courses: CE63, CE74  Prerequisites: Year 12 Chemistry – Sound Achievement or CHB001  
Credit Points: 8  
Contact Hours: 5 per week

■ CHP920 TECHNOLOGY ASSESSMENT & FORECASTING
Technology assessment processes and strategies; comprising of: problem definition; technology analysis; societal, economic, and environmental description and impact analysis;
legal and regulatory requirements and consequences and policy implications and analysis. Technological forecasting, substitution and change. This includes the use of quantitative planning models, optimisation techniques and simulation methods; scenario portrayal; case study analysis.

**Courses:** CH564  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**CHS200 CHEMISTRY**  
Introduction to general and organic chemistry; atoms, molecules, ions; chemical bonding; chemical reactions and equations; solution chemistry; acids, bases and chemical equilibrium; gases; electrochemistry and nuclear chemistry; basic chemistry of organic compounds, aliphatic and aromatic.

**Courses:** BN10  
**Credit Points:** 6  
**Contact Hours:** 3 per week

**CNB001 PROFESSIONAL PRACTICE 1A**  
The subject is to ensure that students gain relevant professional and varied management experience prior to graduation. A log book describing the duties and responsibilities is to be completed by each student over the academic year and a detailed case study completed in the Summer School semester. The case study should cover a company project or management system etc. Approved employment could be with a professional quantity surveying firm. Approved experience with other employers must be under the supervision of a qualified quantity surveyor. This could be with a building/civil engineer contractor, property developer, building or project management consultant, public authorities or major corporate bodies.

**Courses:** CN43  
**Prerequisites:** In final year  
**Credit Points:** 36

**CNB003 PROFESSIONAL PRACTICE 1A**  
The subject is to ensure that students gain relevant professional and varied management experience prior to graduation. A log book describing the duties and responsibilities is to be completed by each student over the academic year and a detailed case study completed in the Summer School semester. The case study should cover a company project or management system etc. Approved employment could be with a building/civil engineer contractor, property developer, building and project management consultant, contracting sub-contractor or supplier, building research, tertiary education, local, state and federal government control and supervisory positions, or corporate bodies involved in property maintenance and management.

**Courses:** CN41  
**Prerequisites:** In final year  
**Credit Points:** 36

**CNB005 MEASUREMENT OF CONSTRUCTION 1**  
Introduction to quantity surveying including the work of the quantity surveyor and his/her relationship with other members of the building industry. A study of mensuration and formulae involved in the calculation of length, area and volume. Detailed study and instruction in the process and methods of taking off and billing of quantities in the trades of roofer and member system etc. Approved employment could be with a building/civil engineer contractor, property developer, building and project management consultant, contracting sub-contractor or supplier, building research, tertiary education, local, state and federal government control and supervisory positions, or corporate bodies involved in property maintenance and management.

**Courses:** CN31, CN33  
**Prerequisites:** CNB151, SNB154  
**Credit Points:** 6  
**Contact Hours:** 3 per week

**CNB006 MEASUREMENT OF CONSTRUCTION 2**  
The process and methods of taking off and billing quantities for the trades of excavator, concreter, bricklayer and blocklayer, and carpenter.

**Courses:** CN31, CN33  
**Prerequisites:** CNB005  
**Credit Points:** 6  
**Contact Hours:** 3 per week

**CNB021 PROFESSIONAL PRACTICE 1**  
The subject is to ensure that students gain relevant professional and varied management experience prior to graduation. A log book describing the duties and responsibilities is to be completed by each student over the academic year and a detailed case study completed in the Summer School semester. The case study should cover a company project or manage-
■ CNB113 BUILDING TECHNOLOGY 1
A study of the structural materials used in construction – timber, stone, brickwork, concrete, steel and aluminium through an understanding of the basic properties of each. The bias is towards those characteristics which affect the user rather than to the needs of a designer. Particular emphasis is given to the problems which arise through the manufacturing, storage and installation processes. Significance of subject to needs of constructors; statics; bending theory for simple and continuous beams, approximate analysis methods; properties of sections; load transfer; design of simple timber and steel beams and columns for model projects; W33 framing for member sizing, tiedown and timber connection.
Courses: CN41, CN43
Credit Points: 8
Contact Hours: 4 per week

■ CNB114 BUILDING TECHNOLOGY 2
The materials covered in Building Technology 1 are investigated to greater depth through theoretical study and testing. Laboratory work is conducted during the latter part of the subject to reinforce the theoretical concepts and to demonstrate testing procedures. Concepts of masonry design; design theory for reinforced concrete; design of simple concrete footings, slabs on ground, beams, columns, suspended slabs; design of ground slab for Construction subject project; concept of PSC design.
Courses: CN41, CN43
Corequisites: CNB111
Credit Points: 8
Contact Hours: 4 per week

■ CNB116 MEASUREMENT 1
Introduction to Quantity Surveying including the work of a Quantity Surveyor and his/her relationship with other members of the building industry. Introduction to the methodology of ‘taking off’, investigating the various systems with particular emphasis on the one-step method. A study of measurement and formulae involved in the calculation of length and volume. Detailed study of ‘Introduction’ to SMM and detailed study and instructions in the process and methods of taking off and the arrangement of quantities in the trade finishes, roofing, doors, windows, hardware, glazing and painting.
Courses: CN41, CN43
Corequisites: CNB119
Credit Points: 6
Contact Hours: 3 per week

■ CNB118 BUILDING SERVICES 1
A study of macro services to the community including water supply, sewage, power, gas, telephone and other public services. Requirements of headwork and reticulations. A study of sanitation, septic tanks, absorption and transmission beds, stormwater and sewage disposal and garbage and refuse disposal. Hydraulic engineering services associated with buildings. Water supply (including fire fighting and hot water), sewage and sanitary plumbing with a study of relevant Acts and testing procedures. Concepts of masonry design; design theory for reinforced concrete; design of simple concrete footings, slabs on ground, beams, columns, suspended slabs; design of ground slab for Construction subject project; concept of PSC design.
Courses: CN41, CN43
Corequisites: CNB111
Credit Points: 6
Contact Hours: 3 per week

■ CNB119 CONSTRUCTION 1
Materials, methods and construction in single and two-storey domestic structures with part of ground floor below ground level, site information and investigation, foundations including strip and beam footings and slab on ground, light timber framing code for walls, roofs and suspended floors taking into account the environmental, structural and aesthetic requirements; accounting for costs, dimensional requirements, statutory regulations, life and adaptability and manufacturing and erection requirements; instruction in various types of drawings and mapping used in offices, methods of setting out office drawings for sketch presentation, geometric, perspective and setting out office drawings and details, freehand drawing and sketching; lettering, linework, material indication; use of instruments, scales and drawing materials; environmental science, comfort situations in varying climatic zones and their effect on building construction.
Courses: CN41, CN43, CNB111
Corequisites: CNB113
Credit Points: 12
Contact Hours: 6 per week

■ CNB121 PROFESSIONAL STUDIES A
(A) Legal system and principles of property law: the institutions of the law; the courts, parliament and the judiciary; the doctrines and methodology of the law including the doctrine of precedence, interpretation of statutes and regulations; law of property – ownership and possession, estates and interests in land, easement, rights and restrictive covenants; party walls, boundary walls, fences and encroachments. (B) Manufacturing systems: the role of manufacturing in the Australian economy; modern concepts in manufacturing systems design; the interrelationship between design, materials selection, manufacturing technologies in relation to product quantity and quality.
Courses: CN41, CN43
Corequisites: CNB119
Credit Points: 8
Contact Hours: 3 per week

■ CNB124 PROFESSIONAL STUDIES 1
The syllabus is project based and student centred, with the student undertaking major pieces of work individually within a group. The student is encouraged to make use of all sources both within and outside the university and to communicate with the community, professionals, practitioners and government officials, etc. The integrated study project work programme will provide a framework with a clear statement of aims and objectives for each part of the program. The projects suggested here for Professional Studies 1-3 relate to construction projects/processes whose emphases progress from technology to building economics to management experience/problems. The project in the first year will draw together mainly rudimentary technology subjects, centred around cottage construction. The project will indicate how related materials from the year’s subjects will be developed by student groups and individuals.
Courses: CN41, CN43
Corequisites: ITB820, CNB121, CNB119, CNB113, COB165
Credit Points: 8
Contact Hours: 3 per week

■ CNB161 BUILDING STUDIES 1
The uses of materials and construction in single and two-storey domestic structures, site information, substructure, columns, upper floors, external and internal walls, finishes, etc. Environmental, structural, aesthetic, cost, statutory, dimensional, manufacturing and erection requirements. Factors in creating comfort situations in various climatic zones and their effect on building construction. Draughting: preparation of typical details and working drawings. Physical and chemical properties of materials such as timber, steel, concrete and clay products and how they affect their construction and structural qualities.
Courses: CN41, CN43
Corequisites: CNB119, CNB121, CNB114, CNB116, CNB118, PSB910
Credit Points: 8
Contact Hours: 3 per week

■ CNB162 BUILDING STUDIES 2
The uses of materials and construction in single and two-storey domestic structures under the elements: staircase, roof, internal and external walls, windows, doors, finishes; fireplaces. Environmental, structural and aesthetic requirements, taking account of constraints such as costs, dimensional requirements, statutory regulations, life and adaptability and manufacturing and erection requirements. Draughting: preparation of construction details and drawings.
Courses: CN32
Credit Points: 8
Contact Hours: 4.5 per week

■ CNB171 CONSTRUCTION 1
Materials, methods and construction in single and two-storey domestic structures, site information and investigation, foundations, columns, upper floors, external and internal walls, finishes, etc. Environmental structural and aesthetic requirements accounting for costs, dimensional requirements, statu-
tory regulations, life and adaptability, manufacturing and erection requirements; draughting typical details and working drawings; environmental science, comfort situations in varying climatic zones and their effects.

Courses: PU42
Credit Points: 12
Contact Hours: 6 per week

■ CNB172 CONSTRUCTION 2
Continuation of CNB171. The properties of materials and how they behave in the manufacturing and construction process and how these considerations relate to form and structure. It includes a studio and practical back-up to the lecture program. Students are required to prepare working details of building components, coordination of building elements for specific building use.

Courses: PU42
Credit Points: 8
Contact Hours: 4 per week

■ CNB180 MACROECONOMICS
Macroeconomics is that part of economics primarily concerned with the relationship between broad economic aggregates including the level of GDP, aggregate expenditure and savings, the level of employment, quantity of money, average price level and balance of payments, and their impact on the national economy. The unit examines the problems associated with inflation, unemployment and the balance of payments in the context of the Australian economy; the role of government and the central bank is discussed within the framework of an income-expenditure model; international trade and capital flows.

Courses: CN32
Credit Points: 8
Contact Hours: 2 per week

■ CNB188 MICROECONOMICS
The nature of the economic problem and the economic way of thinking; the theory of consumer behaviours, the nature of demand, preference and indifference theory; the nature of supply, the price mechanism and operation of the market; short and long run costs; profit maximisation, market structure, factor markets and market failure.

Courses: CN32
Credit Points: 8
Contact Hours: 2 per week

■ CNB211 CONSTRUCTION 3
Study of materials, methods and construction of low-rise residential, commercial and industrial projects, including equipment handling and site management requirements. Such structures to be examined with regard to the environmental, structural and aesthetic requirements taking account of constraints such as costs, dimensional requirements, statutory regulations, life, adaptability, manufacturing and erection requirements. Low-rise commercial: structural elements including foundations, retaining walls, load-bearing masonry construction, reinforced concrete suspended slabs and walls; structural steel roof trusses, etc., parapet, balconies and balustrades. Sheet metal and built-up roofing, rainwater goods. Fire and sound resistant materials, components and construction. Suspended, fire and spray finish ceiling. Fittings and built in furniture, electrical and industrial: Raft, pier and pile foundations and earthworks, including equipment. Structural steel systems including portal frames, girders, trusses, etc. Roof lights. Sheet external wall cladding. Industrial horizontal, vertical, sliding, folding and roller shutter doors. Special floor finishes. Handling equipment. Formwork design: objectives in building formwork, understanding quality, safety and control. Formwork planning, reuse, erecting and stripping schedules. Types of facing material, hardware and fasteners. Loads and pressures on forms and use of design tables. Formwork drawing, detailing, building and erecting. Special techniques and prestressing/post tensioning. Proprietary formwork and falsework.

Courses: CN41, CN43
Prerequisites: CNB113, CNB112, CNB114, CNB119
Corequisites: CNB213, CNB221
Credit Points: 12
Contact Hours: 5 per week

■ CNB212 CONSTRUCTION 4
Building construction: A study of the construction techniques peculiar to multi-storeyed buildings and the implications of working on a major city site. The scope covers site investigation, deep basement excavation, dewatering construction, structural frame construction, cladding, outfitting and finishes and the significance of services on the construction process.

Evolution of building: A study of civilisations from prehistoric to modern times examining systems of construction and their relationship to building techniques and economic value.

Courses: CN41, CN43
Prerequisites: CNB211, CNB213, CNB221
Credit Points: 9
Contact Hours: 5 per week

■ CNB213 BUILDING TECHNOLOGY 3
A study of the non-structural materials used to enclose and decorate buildings, building boards, plaster, glass, asphalt, plastics, non-ferrous metals, concrete products and paint. The behaviour of materials in service will be examined which includes the effect of ageing, incompatibility, repair and cleaning techniques, and the effects of fire on structural materials. Implications of maintenance and quality inspection. Portal behaviour; design of simple steel connections, plastic versus elastic design; structural bracing; truss analysis; stability of structures during construction; stability of cranes, loads in lifting systems; unbalanced loads during construction; stability of multi-storeyed buildings; loading and design of simple retaining structures. Concrete practice wind load conditions on high rise structures. Multi-rise framed structures.

Courses: CN41, CN43
Prerequisites: CNB113, CNB114
Corequisites: CNB211
Credit Points: 6
Contact Hours: 4 per week

■ CNB215 MEASUREMENT 2
Detailed study and instruction in the process and methods of taking off and billing quantities in the SMM trades, groundworks 4.1 to 4.3, concrete 6.1 to 6.4, masonry, woodwork, partitions for simple buildings with a single storey having both suspended and slab on ground construction.

Courses: CN41, CN43
Prerequisites: CNB116, CNB112, CNB119
Corequisites: CNB211
Credit Points: 6
Contact Hours: 3 per week

■ CNB216 MEASUREMENT 3
Detailed study and instruction in the process and methods of taking off and billing quantities in the SMM trades, groundworks 4.4, piling 5.2.2, concrete 6.1 to 6.8, structural steel, suspended ceilings, membrane and asphalt roofing, demolition, stonework in multi storey buildings having minor basements, underpinning and reinforced concrete and steel frame with built-up roofing systems.

Courses: CN41, CN43
Prerequisites: CNB215
Corequisites: CNB212
Credit Points: 6
Contact Hours: 3 per week

■ CNB217 BUILDING SERVICES 2
Minimum standards of ventilation, centrifugal and axial flow fan applications; ductwork-accessories, layout, construction and installation; requirements for human comfort in air conditioning; the ASHRAE Comfort Chart; principles of refrigeration; air-conditioning systems, composition, cost, application, construction and installation; heating, fuel types, efficiency, capital and annual costs; effect of building ordinances. Mechanical estimating: types, tenders, preliminaries, trade awards and wage rates. Take off procedure, costing and estimating make-up calculations. System costs in relation to building floor area, operating and maintenance costs, builder’s allowance for each system.

Courses: CN41, CN43
Corequisites: CNB211
Credit Points: 6
Contact Hours: 3 per week

■ CNB218 BUILDING SERVICES 3
Electrical terminology and formula, three-phase concept. Supply Authority Distribution System, line diagrams, high voltage transfer, transformers, load profile, Authority Requirement,
Light and Power Acts. Tariffs and metering, energy management, electrical safety, SAA Wiring Rules, maximum demand, diversity, tables, cable sizing and voltage drop, points per circuit, fault levels, fuses, breakers and switchboards. Wiring types, busbars, wiring systems, space required, computer and data systems, fibre optics, accessories. Security, computer power supplies. Lighting, types, design methods, emergency and evacuation systems. Building Supervisory System, justification, hardware, software. Electrical plans, specifications, symbols, CAD. Lightning Protection System. Contractor licensing, testing, tools and appliances. Energy management, solar energy, ice storage, control systems and energy audits. Electrical estimating: types, tenders, preliminates, trade award and wage rates. Take off procedure, costing and estimating make-up calculations. System costs in relation to building floor area, operating and maintenance cost, builder’s allowance for each system.

Courses: CN41, CN43  Prerequisites: CNB118, CNB211  Corequisites: CNB212  Credit Points: 6  Contact Hours: 3 per week

<table>
<thead>
<tr>
<th>CNB219 ECONOMICS OF THE CONSTRUCTION INDUSTRY</th>
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<td>The economic problem, wants, resources, scarcity, choice; economic systems, features of the macroeconomy; supply and demand characteristics; goods market, factor markets, competitive market structures, business concentration; operations of the construction industry, nature of output; nature of firms, revenue analysis via pricing mechanisms, sales forecasting; production function; break even analysis; business cycle and fluctuations in the construction industry, failure of construction firms; government stabilisation policies and effect on the construction industry; structure change in the Australian and world economies.</td>
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Courses: CN41, CN43  Credit Points: 6  Contact Hours: 2 per week

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<tr>
<th>CNB220 CONSTRUCTION MANAGEMENT</th>
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<tr>
<td>Industry participants and their roles. Basic management principles; planning, leading, organising and controlling. Forms of project delivery, reviewing contract documentation. Site management skills including site organisational structure, site controls, site communications, reporting, project engineering and negotiation skills as applied to subcontractors and suppliers, commissioning and handing over the site. Company marketing and negotiating skills. An analysis of project design and construction technique on project buildability and their effect on site management and organisation. Stress management techniques.</td>
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Courses: CN41, CN43  Prerequisites: CNB121, CNB219  Corequisites: CNB212  Credit Points: 6  Contact Hours: 2 per week

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<tr>
<th>CNB221 BUILDING LEGISLATION</th>
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<tr>
<td>Passing and resolving Acts, regulations and by-laws; knowledgeable site representatives; study of Building Code of Australia, Queensland Home Building Code and Standard Building By-Laws which control the design, construction of building works in Queensland: emphasis on Building Codes in the by-laws; a study of the Acts Interpretation Act, and Town Planning Acts. The study of the Workplace Health and Safety Act 1989/90, the regulations that apply and codes of practice. The application of the requirements of this legislation to the production of a Site Safety Management Plan incorporating a ‘systems’ approach in minimising exposure of the individual or company to prosecution. Practical demonstrations in good scaffolding practice. Case studies in addressing safety on building sites.</td>
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Courses: CN41, CN43  Corequisites: CNB211  Credit Points: 6  Contact Hours: 4 per week

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<tr>
<th>CNB222 ESTIMATING 1</th>
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<td>A study of the techniques used in the preparation of detailed estimates of cost for simple structures covering the trades of concreter, carpenter, joiner, bricklayer, plumber, drainer, tiler, plasterer and painter. The industrial overheads applicable to labour are discussed and labour costs are calculated from current awards. The subject draws heavily on the student’s knowledge of construction and on the sequencing of tasks.</td>
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Courses: CN41, CN43  Prerequisites: CNB215  Corequisites: CNB212, CNB216  Credit Points: 6  Contact Hours: 2 per week

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<tr>
<th>CNB223 APPLIED COMPUTING 1</th>
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<td>A further study of the computer software programs which can be used in the construction and property development processes. Designed to coordinate the practical aspects of the lecture material presented each semester so that students both develop essential practical skills and benefit from cross-fertilisation of the individual subjects. The programs used include spreadsheet and data base software packages. Applied material is drawn from statistics, quantitative operation research methods, and other current subject matter in years 1 and 2 of the course.</td>
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Courses: CN41, CN43  Prerequisites: ITB270  Credit Points: 6  Contact Hours: 2 per week

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<tr>
<th>CNB224 PROFESSIONAL STUDIES 2</th>
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<td>The project in the second year will draw together more advanced but mainly technology-type subjects. Added breadth is provided with measurement, estimating, building law and management subjects. The project will be a medium high rise residential or commercial project (10 storeys) situated in a commercial zone close to the inner city.</td>
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Courses: CN41, CN43  Prerequisites: CNB124, CNB211, CNB213, CNB221, CNB215, CNB217, CNB223  Corequisites: CNB212, CNB216, CNB218, CNB220, CNB222, CNB226  Credit Points: 9  Contact Hours: 3 per week

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<th>CNB226 TORTS &amp; CONTRACT LAW</th>
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<tbody>
<tr>
<td>Law of tort – negligence, professional negligence, duty of care, liability, occupier liabilities; nuisance, fraud and conversion; basic principles, elements, formation and discharge of a contract. Elements of contract, offer, acceptance, certainty and consideration, content of a valid contract, misrepresentation, collateral contract, implied terms; formal requirements and part performance; contract documents and their interpretations remedies for breach of contract; recovery of payment of work done, concept of entire contract substantial performances and quantum meruit.</td>
</tr>
</tbody>
</table>

Courses: CN41, CN43  Prerequisites: CNB121, CNB211  Corequisites: CNB220  Credit Points: 6  Contact Hours: 3 per week

<table>
<thead>
<tr>
<th>CNB261 BUILDING STUDIES 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Studies 3 continues to build on the students’ construction knowledge via reference to larger commercial and high-rise buildings. Lectures provide a general overview of advanced construction as well as developing an appreciation of issues such as material finishes, interior fit-out, typical problems and solutions, and interior and exterior component finishes of relevance to Property Economics students.</td>
</tr>
</tbody>
</table>

Courses: CN32  Prerequisites: CNB162  Credit Points: 8  Contact Hours: 3 per week

<table>
<thead>
<tr>
<th>CNB301 PM1 ADVANCED CONSTRUCTION METHODS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction and site management problems encountered by a project manager; case studies having unusual construction problems or techniques; site planning and organisation of projects; material handling and site equipment selection.</td>
</tr>
</tbody>
</table>

Courses: CN31, CN33  Prerequisites: CNB341, CNB254  Corequisites: CNB440  Credit Points: 4  Contact Hours: 2 per week

<table>
<thead>
<tr>
<th>CNB311 CONSTRUCTION 5</th>
</tr>
</thead>
</table>
| Civil engineering construction (building): A study of those aspects of civil engineering construction which impinge on building and land development. The emphasis is placed on an understanding of the efficacy of competing methods including planting selection rather than on a quantified solution. The areas covered are bulk excavation, detailed excavation, dewatering, foun-
Cashflows. Discount rates, uncertainty and decision theory and financial income and capitalisation of net income; use of valuation techniques with other forms of investment; rates of interest required from property, incidents of their tenure, outgoings and comparison of investment value and occupational value; types of landed estates.

**Courses:** CN41, CN43
**Credit Points:** 9
**Contact Hours:** 5 per week

**CNB312 MEASUREMENT 4**
Detailed study and instruction in the process and methods of taking off and billing quantities in: The SMM trade groundworks 4.4 and 4.5, piling, concrete 6.5 and 6.7 for the more complex basements and foundation stabilisation systems as encountered in inner city projects and innovative structural systems for columns, floors and walls. Hydraulics and drainage, electrical and mechanical installations, external elements.

**Courses:** CN41
**Prerequisites:** CNB212, CNB311, CNB118, CNB216, CNB217, CNB218
**Credit Points:** 9
**Contact Hours:** 4 per week

**CNB313 TIME MANAGEMENT 1**
The subject is designed to develop skills in construction planning and control techniques. The planning techniques studied include bar charts, critical path networks, arrow, precedence and time and scale formats. Updating; control and reporting techniques. Line of balance planning method.

**Courses:** CN41, CN43
**Prerequisites:** CNB212, CNB216, CNB222, CNB220
**Corequisites:** CNB323
**Credit Points:** 9
**Contact Hours:** 4 per week

**CNB314 CONTRACT ADMINISTRATION 1**

**Courses:** CN41
**Prerequisites:** CNB233, CNB319, CNB327, CNB313, CNB214, CNB315, CNB321
**Credit Points:** 6
**Contact Hours:** 3 per week

**CNB315 CONSTRUCTION BUSINESS MANAGEMENT**

**Courses:** CN41, CN43
**Credit Points:** 6
**Contact Hours:** 2nd half of course

**CNB316 VALUATIONS & INVESTMENT THEORY**
Nature of value; effect of supply and demand of land and buildings; investment value and occupational value; types of landed property, incidents of their tenure, outgoings and comparison with other forms of investment; rates of interest required from different types of property; calculating rental value and net income and capitalisation of net income; use of valuation tables; capital investment theory of NPV and IRR choice of discount rates, uncertainty and decision theory and financial cashflows.

**Courses:** CN41, CN43
**Prerequisites:** 2nd half of course
**Credit Points:** 6
**Contact Hours:** 3 per week

**CNB317 CONSTRUCTION MANAGEMENT 2**
Control and control systems, cost planning, cost reporting and forecasting, administration of the financial requirements of the head contract, preparation of cash flows. Purchasing (including tender preparation and the letting of subcontracts, placing of orders and subsequent administration of both). Project liquidity, working capital and turnover and general site administration. Insurane. Finalising subcontracts, archiving and final accounts. Overview of standard contracts and administration of variations, delays, time extensions and prolongation costs, progress claims etc. Contract drafting for sub and main contracts including contract specification. Principles and application of rise and fall.

**Courses:** CN41, CN43
**Prerequisites:** CNB220, CNB214
**Corequisites:** CNB313, CNB315, CNB323, CNB321
**Credit Points:** 6
**Contact Hours:** 3 per week

**CNB318 COMMERCIAL LAW**

**Courses:** CN41, CN43
**Prerequisites:** CNB321, CNB214, CNB315
**Credit Points:** 6
**Contact Hours:** 2 per week

**CNB319 PROFESSIONAL MANAGEMENT**
The concepts of specifications complementing architectural documents; definitions, objectives of a specification; specification as a contract and working document; reference material and specification writing; use of master specifications; outright and performance specification writing; and preparation of specified bills of quantities. Introduction to computer specification software. Scale of fees and professional charges; code of ethics; letters of engagement; law involving the quantity surveyor and the client; professional indemnity; professional image and status; office management and procedures.

**Courses:** CN41
**Prerequisites:** CNB212, CNB213, CNB223, CNB214
**Corequisites:** CNB321
**Credit Points:** 6
**Contact Hours:** 3 per week

**CNB320 BUILDING ECONOMICS 2**
Case studies covering the following fully worked examples: tax depreciation schedule on an office and a hotel; value management study of an office development; replacement insurance valuation both on office and retail development; elemental analysis of a number of commercial developments. Hands on experience, by students to use related computer software to calculate the above studies and analyses.

**Courses:** CN41
**Corequisites:** CNB314
**Credit Points:** 6
**Contact Hours:** 3 per week

**CNB322 CONSTRUCTION MANAGEMENT CASE STUDY**
The students undertake client negotiations, sub-contractor negotiations, technical decisions, administration of contracts, report writing and the resolution of disputes.

**Courses:** CN41
**Prerequisites:** CNB311
**Corequisites:** CNB200, CNB214
**Credit Points:** 6
**Contact Hours:** 3 per week

**CNB323 ESTIMATING 2**
The subject builds on the procedures covered in CNB222, Estimating 1 to assess the cost of more complex work and to introduce more advanced methods of pricing. The work includes deep basement excavation, foundations, concrete framing, suspended floors, steel erection, precast and prestressed concrete erection. Later lectures cover the provisional items and the development of a tender submission from the base estimate. The problems of obtaining and assessing sub contract prices and the evaluation of variations are discussed, together with the consequences of unbalanced rates. The subject concludes with an introduction to the methods used to...
produce preliminary estimates from concepts and early designs. Demonstration of computer estimating software.

Courses: CN41, CN43
Prerequisites: CNB216, CNB212, CNB222
Credit Points: 6  Contact Hours: 2 per week

■ CNB324 PROFESSIONAL STUDIES 3A
The third-year project will deal mainly with Building Economics subjects. The project will be a low rise commercial building in the inner city area. The students will be provided with preliminary and working drawings and specification.

Courses: CN43
Prerequisites: CNB224, CNB311, CNB313, CNB315, CNB319, CNB323, CNB327, CNB321
Corequisites: CNB312, CNB320, CNB314, CNB332, CNB316, CNB318
Credit Points: 9  Contact Hours: 3 per week

■ CNB325 BUILDING ECONOMICS
History of and need for cost control, comparisons between cost planning and approximate estimating, NPWC cost control system. Effects of height, shape and building efficiency upon cost and value. Functional requirements and cost implication of construction methods. Influence of site and market conditions and economics of prefabrication and industrialisation. Building cost data bases and indices, cost checking and analysis. Value management and life cycle costing. Introduction to tax depreciation and tax effective design.

Courses: CN41
Prerequisites: CNB216, CNB311, CNB217, CNB218, CNB220
Corequisites: CNB323, CNB311
Credit Points: 6  Contact Hours: 2 per week

■ CNB326 TIME MANAGEMENT 2
Understanding of resources and their importance in the planning process. High-rise repetitive, production planning and the importance of material and resource handling in this process. Legal problems associated with CPM. Planning and control of various types of projects.

Courses: CN41
Prerequisites: CNB313, CNB311, CNB217, CNB218, CNB317, CNB323, CNB329
Credit Points: 8  Contact Hours: 4 per week

■ CNB327 BUILDING ECONOMICS 1
History and need for cost control, comparisons between cost planning and approximate estimating, NPWC cost control system. Effects of height, shape and building efficiency upon cost and value. Functional requirements and cost implication of construction methods. Influence of site and market conditions and economics of prefabrication and industrialisation. Building cost data bases and indices, cost checking and analysis. Value management and life cycle costing. Introduction to tax depreciation and tax effective design.

Courses: CN43
Prerequisites: CNB216, CNB311, CNB217, CNB218, CNB311, CNB220
Corequisites: CNB323 CNB313
Credit Points: 6  Contact Hours: 2 per week

■ CNB328 CONSTRUCTION MANAGEMENT 3
Management principles: planning, goal setting, strategic, operational and tactical planning. Controlling: process, budgets, audits. Organising: organisational structures, job design, specialisation, departmentalisation. Developing company business plans, safety management plans and quality management plans with emphasis on the application of these planning techniques to the construction industry. Decision-making and problem-solving. Code of ethics, professional image, status and indemnity.

Courses: CN41  Prerequisites: CNB317, CNB221
Corequisites: CNB326, CNB318, CNB322
Credit Points: 8  Contact Hours: 3 per week

■ CNB329 BUILDING CONTRACTS & ARBITRATION LAW
Contents of building contracts and contract documents, with particular reference to and consideration of the major provision in Standard Forms of Building Contract; aspects covered include tenders, subcontractors, role of the architect, varia-tions, time for completion and extension of time, claims and payments, determination and arbitration; arbitration: the agreement, comparison with actions at law, reference by consent, appointment of an arbitrator; conduct of an arbitration, powers and duties, rule of evidence, enforcement of an award, costs.

Courses: CN41, CN43
Prerequisites: CNB121, CNB226 Corequisite: CNB317
Credit Points: 6  Contact Hours: 3 per week

■ CNB330 APPLIED COMPUTING 2
Computer software programs which can be used in the construction and property development processes. The unit is designed to coordinate the practical aspects of the lecture material presented each semester so that students both develop essential practical skills and benefit from cross-fertilisation of the individual subjects. The programs reinforce the applied subjects which are taken in the course and may include software packages covering construction business management; construction administration and cost control; estimating, cost planning and billing, etc.

Courses: CN41
Prerequisites: CNB315, CNB317, CNB323, CNB325
Corequisites: CNB328, CNB316
Credit Points: 6  Contact Hours: 3 per week

■ CNB332 APPLIED COMPUTING 2A
Computer applications for the preparation of bills of quantities using software packages; hands-on experience in setting up of base accounts, trades, headings; measurement input; editing, correction and data manipulation; report generation in various bill of quantities formats; pricing using estimated and/or tendered rates; elemental analyses; use of computer in measurement of non-traditional contractual systems; specification and preamble development.

Courses: CN43
Prerequisites: CNB327, CNB319, CNB323, CNB216
Corequisites: CNB312, CNB316
Credit Points: 6  Contact Hours: 3 per week

■ CNB334 PROFESSIONAL STUDIES 3
The third year project will deal mainly with Building Economics and Management subjects. The project will be a high-rise building in the inner city area. The students will be provided with working drawings, specification, bills of quantities and contract conditions. Estimating and building economics: Prepare an estimate to erect the building. Carry out a bulk check and prepare a preliminary network to determine time related overheads and completion date for the tender. Submit tender. Prepare basic critical path network etc. and prepare cost plan for project.

Courses: CN41
Prerequisites: CNB224, CNB311, CNB313, CNB315, CNB317, CNB321, CNB323, CNB325
Corequisites: CNB326, CNB322, CNB328, CNB330, CNB316, CNB318
Credit Points: 8  Contact Hours: 3 per week

■ CNB334 ECONOMICS OF THE CONSTRUCTION INDUSTRY
Economics and applied economics; features of the macroeconomy; demand, supply, prices and stocks; market structures, competition, collusion, integration and concentration; real property markets, tenure, markets and sub-markets; construction and housing industries composition and characteristics; demand for dwellings, the deposit gap, public housing, rental markets; pricing mechanism, application to land, contract and speculative projects, etc.; cost analysis, cost components in housing, problems of rising costs and time delays; finance industries, types and use of finance, use of gearing, risk considerations, cash flow; failure of developer and builder firms.

Courses: CN31, CN33
Credit Points: 4  Contact Hours: 2 per week
■ CNB401 BUILDING ECONOMICS & COST PLANNING
Cost control building outputs and costs; comparison of cost planning and approximate estimating; cost implications of design variables, perimeter/floor area ratio, size of building, circulation space, storey height; cost, effects of site conditions, prefabrication and standardisation; approximate estimating, types and uses; measurement of variations, adjustment of prime costs and provisional sums; cost analyses, indices and data; applications and use of cost analyses; progress payments and final accounts.

Courses: CN31
Prerequisites: CNB010, CNB013, CNB014, CNB254, CNB443, CNB444, CNB446, CNB540
Credit Points: 4
Contact Hours: 2 per week

■ CNB403 BUILDING MANAGEMENT 1
Management in principle, planning, leading, organising, controlling and applied communication; fundamentals of management; roles of policy maker and executive; accountability; problem solving; organisation structures and relationships, both small (under 20 ha) and large, medium and high density housing including a systematic critique of AMCORD (Australian Model Code of Residential Development) and its effects on lot yields and service efficiencies. Development of building approval process, rezoning, political influences in the development process, changing social needs and the effects on development, feasibility studies, development budget control, taxation, development financing and the development process, legal development structures, marketing and selling, commissioning leading development teams, planning for client satisfaction and development sensitivities.

Courses: CN31, CN33
Corequisites: CNB253
Credit Points: 4
Contact Hours: 2 per week

■ CNB411 DEVELOPMENT PROCESS 1
Development sectors covering commercial offices (high and low rise, CBD and suburban), retail (CBD, secondary, regional, strip and festival), industrial, infrastructure, short term accommodation and leisure (3-5 star hotels, integrated resorts, motels, golf courses and marinas). Residential land subdivisions, both small (under 20 ha) and large, medium and high density housing including an investigation into the method of estimating the area of the building envelope and the building area, the determination of the building area and its characteristics, the construction of the buildings, the measurement of variations, the adjustment of the building costs, the measurement of the building costs and the adjustment of the building costs, the measurement of the building costs and the adjustment of the building costs, the measurement of the building costs and the adjustment of the building costs, the measurement of the building costs and the adjustment of the building costs, the measurement of the building costs and the adjustment of the building costs, the measurement of the building costs and the adjustment of the building costs, the measurement of the building costs and the adjustment of the building costs, the measurement of the building costs and the adjustment of the building costs, the measurement of the building costs and the adjustment of the building costs, the measurement of the building costs and the adjustment of the building costs, the measurement of the building costs and the adjustment of the building costs, the measurement of the building costs and the adjustment of the building costs.
CNB422 ELECTIVE 2
The student will choose elective units to extend and expand an area of knowledge or experience to develop in depth a particular professional expertise. These subjects may be drawn from any relevant Faculty within the QUT. The electives are to be approved by the Course Coordinator prior to enrolment.

Courses: CN43
Prerequisites: Final year subjects
Credit Points: 9
Contact Hours: 2 per week

CNB431 ELECTIVE 1
The student will choose elective units to extend and expand an area of knowledge or experience to develop in depth a particular professional expertise. These subjects may be drawn from any relevant Faculty within the QUT. The electives are to be approved by the Course Coordinator prior to enrolment.

Courses: CN41
Prerequisites: Final year subjects
Credit Points: 9
Contact Hours: 3 per week

CNB432 ELECTIVE 2
The student will choose elective units to extend and expand an area of knowledge or experience to develop in depth a particular professional expertise. These subjects may be drawn from any relevant Faculty within the QUT. The electives are to be approved by the Course Coordinator prior to enrolment.

Courses: CN41
Prerequisites: Final year subjects
Credit Points: 9
Contact Hours: 3 per week

CNB440 LAW 3 BUILDING CONTRACTS
Building and engineering agreements, practices relating to the building industry; contract law, elements, formation and discharge of a contract; contents of a valid contract, misrepresentation, collateral contract implied terms; contract documents and their interpretation; breach of contract; major provisions in Australian standard forms of building contract.

Courses: CN31, CN33
Corequisites: CNB404
Credit Points: 6
Contact Hours: 1 per week

CNB442 VALUATION & DILAPIDATIONS
Nature of value; effect of supply and demand of land and buildings; investment value and occupational value; types of landed property, incidents of their tenure, goings and comparison with other forms of investment; rates of interest required from different types of property; calculating rental value and net income and capitalisation of net income; use of valuation tables; liability for dilapidations; legal and equitable waste; implied, express contract covenants and statutory obligations to repair between landlord and tenant; landlords’ remedies for breach of covenant to repair; liability for injuries to third parties.

Courses: CN31, CN33
Prerequisites: CNB013, CNB014
Credit Points: 6
Contact Hours: 2 per week in Semester 1, 1 per week in Semester 2

CNB443 BUILDING SERVICES 3
Transportation of people and goods; passenger, goods and service lifts; planning disposition, control systems and construction; regulatory requirements, approximate traffic calculations, calculations and moving walks, use, widths and ratings, regulatory requirements and construction; planning of lift contracts and ancillary building work; cost of lifts; fire protection, sprinklers, detectors, alarms, extinguishers; telephone and sound systems; intrusion alarm systems; clock and time systems; acoustics.

Courses: CN31, CN33
Prerequisites: CNB013, CNB014
Corequisites: CNB253
Credit Points: 5
Contact Hours: 2.5 per week

CNB444 MECHANICAL & ELECTRICAL ESTIMATING
Mechanical and electrical systems, parameters influencing their design and application; types estimates and tenders; preliminaries, trade awards and wage rates; take off procedures, costing and estimating make-up calculations; system costs in relation to total building, floor area, operating and maintenance cost, builders allowance for each system.

Courses: CN31, CN33
Prerequisites: CNB013, CNB014
Credit Points: 4
Contact Hours: 2 per week

CNB446 ESTIMATING 1
Building trades award and wages rates; hourly rate build up for equipment and trade services; calculation of preliminaries for a small suburban project.

Courses: CN31, CN33
Prerequisites: CNB006, CNB253
Corequisites: CNB254
Credit Points: 5
Contact Hours: 2.5 per week

CNB451 COMPUTER SOFTWARE APPLICATIONS 1
Preparation of bills of quantities using computer software packages; hands-on experience in set-up of base accounts, trades, headings; measurement input; editing, correction and data manipulation; report generation in various bill of quantities formats; pricing using estimated and/or tendered rates; elemental analyses; computer measurement of contractual systems; specification and preamble development.

Courses: CN33
Prerequisites: CNB010, CNB246, ISB180
Credit Points: 4
Contact Hours: 2 per week

CNB452 COMPUTER SOFTWARE APPLICATIONS 2
Cost plan/estimates using computer software packages, including set-up of base accounts, parameter specifications; elemental and detailed estimate measurement; editing, correction and data manipulation; report generation and formatting; development of labour constants, standard rates and items; pricing, tendering, spreadsheet application; contract administration, variation control, rise and fall of final accounts; progress payments; cash flow forecasts.

Courses: CN33
Prerequisites: CNB647
Credit Points: 4
Contact Hours: 2 per week

CNB461 MEASUREMENT OF CONSTRUCTION 5
Methods of taking off and billing quantities in complex base ment and foundation work in the trades underpinning, excavator, concreter, piling systems, structural systems in suspended slabs and walls.

Courses: CN33
Prerequisites: CNB010, CNB246, CNB254, CNB341
Credit Points: 3
Contact Hours: 1.5 per week

CNB462 MEASUREMENT OF CONSTRUCTION 6
Methods of taking off and billing quantities in the trades plumber and drainer.

Courses: CN33
Prerequisites: CNB347
Credit Points: 3
Contact Hours: 1.5 per week

CNB501 BUILDING MANAGEMENT 3
Construction accounting methods and management of on and off-site financial transactions; construction industry accounting procedures, profit and balance sheets.

Courses: CN31, CN33
Credit Points: 4
Contact Hours: 2 per week

CNB502 BUILDING MANAGEMENT 4
Search and selection of construction projects; the discount rate cost of capital, return on investment; cash flows and contract mark-up; risk uncertainty and inflation in capital investment decisions; analysis and interpretation of financial statements; sources of funds and classifications; bidding theory and strategy; prescribed payments taxation system.

Courses: CN31, CN33
Prerequisites: CNB404, CNB501
Credit Points: 4
Contact Hours: 2 per week

CNB524 MEASUREMENT OF CONSTRUCTION 7
Methods of taking off and billing quantities in the trades of mechanical and electrical engineer, external works and preliminaries.

Courses: CN33
Prerequisites: CNB013, CNB014
Credit Points: 4
Contact Hours: 2 per week

CNB526 POST-CONTRACT SERVICES 1
Method of adjustment of provisional items, rise and fall elements; preparing valuation certificates for progress payments; cost control techniques used during the construction period; review of applicable contractual clauses; quantity sur-
vveying practice, adjustment to the contract sum for variations; feasibility studies; different types of contractual arrangement and selection of contractors.

**Courses:** CN33  **Prerequisites:** CNB440, CNB540  **Credit Points:** 5  **Contact Hours:** 2.5 per week

**CNB527 PM2 QUANTITATIVE TECHNIQUES**
Operations research techniques applied to the construction industry; linear programming; transportation and assignment methods; dynamic programming, decision trees; descriptive and inductive statistical methods applied to the construction/development industry and research; frequency distributions, measures of central tendency, dispersion; probability of variation, correlation and regression, sampling.

**Courses:** CN31, CN33  **Prerequisites:** CNB403, CNB404  **Credit Points:** 3  **Contact Hours:** 1.5 per week

**CNB540 ESTIMATING 2**
Build up of typical rates for demolition, dewatering, piling, underpinning, shoring/formwork to columns, beams, walls and slab systems; reinforcement tying and fixing; concrete placing rates; precast erection; scaffolding, gantries, hoists and cranes, etc.; calculations of preliminaries for country and city projects.

**Courses:** CN31, CN33  **Prerequisites:** CNB009, CNB010, CNB246, CNB446  **Credit Points:** 5  **Contact Hours:** 2.5 per week

**CNB543 LAW 4 TORTS & ARBITRATIONS**
Law of tort, negligence, professional negligence, duty of care, liability, occupiers’ liability, nuisance, fraud and conversion; arbitration, nature of and comparison with actions of law; reference by consent; the arbitration agreement, parties subject matter, appointment of arbitrators; conduct of an arbitration; powers and duties of an arbitrator; rules of evidence; validity of publication and enforcement of an award; costs.

**Courses:** CN31, CN33  **Prerequisites:** CNB440  **Credit Points:** 3  **Contact Hours:** 1.5 per week

**CNB545 PM3 CONSTRUCTION PLANNING TECHNIQUES 1**
Application of construction planning and control techniques; bar charts; critical path networks, arrow and precedence diagrams; updating control and reporting techniques; line of balance.

**Courses:** CN31, CN33  **Prerequisites:** CNB246, CNB254, CNB404, CNB446  **Credit Points:** 7  **Contact Hours:** 3.5 per week

**CNB548 PM4 CONSTRUCTION PLANNING TECHNIQUES 2**
Resource management; basic and production planning techniques; planning and control for various types of projects; misuse and abuse of planning and legal problems associated with CPM.

**Courses:** CN31  **Prerequisites:** CNB013, CNB014, CNB545  **Credit Points:** 8  **Contact Hours:** 4 per week

**CNB550 PM5 PROJECT COST CONTROL**
Financial planning and cost control of the construction project; the development time relationships, cost consequences of design decision; preconstruction budget, budget management, materials control; performance analysis; trend evaluation; forecasting techniques, progress reports, cost reports; financial status reports; computer applications in expenditure; equipment policy, equipment economics, maintenance management; contract administration, processing payments, negotiating extensions and prolongation claims, rise and fall, prescribed payments.

**Courses:** CN31  **Prerequisites:** CNB403, CNB404, CNB550  **Credit Points:** 6  **Contact Hours:** 3 per week

**CNB552 OFFICE MANAGEMENT**
Scale of fees and professional charges; code of ethics; letters of engagement; law involving the quantity surveyor and client, professional indemnity; image and status; office management and procedures.

**Courses:** CN33  **Credit Points:** 2  **Contact Hours:** 1 per week

**CNB563 STATUTORY VALUATION**
Capital taxation as it affects property transactions. Valuations for: tax and taxation of capital gains; for statutory rating purposes under relevant legislation, appeals procedure; compulsory acquisition; assessment of compensation resulting from acquisition, resumption and damage. Evidence; the expert witness and professional liability; mock court.

**Courses:** CN32  **Prerequisites:** CNB700, CNB702, CNB704  **Credit Points:** 8  **Contact Hours:** 3 per week

**CNB564 SPECIALIST VALUATION**
Valuation of specialist-type properties including licensed premises, hotels, service stations, entertainment and public properties. The valuation of corporate assets for organisational and balance sheet purposes. The future role of the valuer.

**Courses:** CN32, CN81  **Prerequisites:** CNB700, CNB702  **Credit Points:** 8  **Contact Hours:** 2 per week

**CNB567 REAL ESTATE MARKET ANALYSIS**

**Prerequisites:** Real estate agency licensing requirements – this unit focuses on 20.1, 20.2, 21.1 and 21.2 of the Australian Competency Standards for real estate agencies. ASF level 6 elements 7, 9, 20 and 21 are addressed. For further details refer to Course Coordinator and Accreditation Document for CN32 (1995).

**Courses:** CN32, PS47, PS48  **Prerequisites:** CNB600, CNB568, CNB703  **Credit Points:** 8  **Contact Hours:** 2 per week

**CNB568 REAL ESTATE PRACTICE**
Building on the prerequisite law unit this subject introduces management techniques required to operate a real estate practice and the establishment of, or the purchasing of, an agency or rent roll. Consumer and business ethics are covered together with the implications of trade practice, real estate practice, viability, profitability and fair trading legislation. Issues affecting real estate practice and the associated responsibilities are linked to risk management and professional indemnity. This unit covers the requirements of the Australian National Training Body competency standards to ASF 5, 6 and 7, incorporating units 1, 2, 3, 7, 11, 12, 19, 20 and 21.

**Courses:** CN32, CN81, PS47, PS48  **Prerequisites:** CNB703  **Credit Points:** 8  **Contact Hours:** 2 per week

**CNB600 REAL ESTATE AGENCY**
Real estate industry structure, office administration, residential sales and leasing requirements (legal) and procedures associated with real estate tendering and property auctions. Code of ethics. CNB600 covers the requirements and standards set down in the Australian National Training Body Guidelines (2nd ed 1993) and amendments to competency levels ASF 3 and 4 for the real estate industry, incorporating field units 5 and 17 in ASF 3 and field units 5, 8, 9, 10, 13, 14, 15, 16, 20 and 21 in ASF 4 covered during the course lectures. Delivery of some elements is linked with Law 1, Real Estate Accounting and Property and Asset Management.

**Courses:** CN32  **Prerequisites:** CNB701, CNB703  **Credit Points:** 8  **Contact Hours:** 2 per week
- **CNB603 BUILDING MANAGEMENT 5**
The construction labor market, supply and demand, awards, conditions and earnings differentials; role of the construction trade unions and negotiations between employer and unions; construction conciliation and arbitration systems; strikes and lockouts; workers compensation acts and regulations, etc.

  **Courses:** CN31, CN33

  **Credit Points:** 4

- **CNB606 PM8 LAND DEVELOPMENT STUDIES**
The structure, operation and control of the land development industry including the politico-economic framework; land use plans and approval mechanisms of subdivisible land; financial aspect of development projects, trends and prospects in the housing development industry.

  **Courses:** CN31

  **Credit Points:** 4

- **CNB611 APPLIED MANAGEMENT DISC 1**
Feasibility, market and location surveys; cost analysis; evaluation techniques, conventional and discounting; cash flows and sensitivity analysis; authorities, development restrictions, services; profitability, commercial assessment, land values, options; purchase, terms, legal documentation, consolidation, surveys; commissioning design team, building use, facilities, quality, staging; instruct consultants, analyse alternatives, value engineering, marketability, income and outgoings; cost and time control from sketch design to completion; tender procedures and negotiations, contract documentation; leasing, brochures, publicity, letting agents, targets; authorisation of payments, monthly reports, coordination meetings; financing projects and cash flow.

  **Courses:** CN31, CN33

  **Prerequisites:** CNB301, CNB343, CNB401, CNB502, CNB540, CNB545, CNB550

  **Credit Points:** 4

- **CNB624 PM7 BUILDING DEVELOPMENT TECHNIQUES 2**
See CNB623.

  **Courses:** CN31, CN33

  **Prerequisites:** CNB623

  **Credit Points:** 4

- **CNB627 PM8 APPLIED COMPUTER TECHNIQUES**
Evaluation of a range of commercial computer programs designed for the construction industry.

  **Courses:** CN31

  **Prerequisites:** CNB548, CNB550

  **Credit Points:** 6

- **CNB643 LAW 5 COMMERCIAL LAW**
The law as it affects the construction industry; sale of goods, hire purchase; negotiable instruments; insurance law; partnership law and general principles of company law; bankruptcy and liquidation.

  **Courses:** CN31, CN33

  **Prerequisites:** CNB404, CNB502

  **Credit Points:** 3

- **CNB647 COST PLANNING & COST CONTROL 1**
The significance of construction economics for the client, the professions, the industry and society; historical development, need for and main aims of cost control; comparing cost planning and approximate estimating; cost implication of design variable, shape, size, perimeter; storey height; cost implications of construction methods of site and market conditions, or prefabrication and industrialisation; types of approximate estimates; cost analyses, indices and data; cost in use, maintenance and running costs, the life of buildings and components; taxation and insurance.

  **Courses:** CN33

  **Prerequisites:** CNB005, CNB006, CNB009, CNB010, CNB446, CNB461, CNB462, CNB524, CNB540

  **Credit Points:** 4

- **CNB648 COST PLANNING & COST CONTROL 2**
Continuation of CNB647.

  **Courses:** CN33

  **Corequisites:** CNB452

  **Credit Points:** 4

  **Prerequisites:** CNB647

  **Contact Hours:** 2 per week

- **CNB653 POST-CONTRACT SERVICES 2**
Continuation of CNB526.

  **Courses:** CN33

  **Prerequisites:** CNB526

  **Credit Points:** 5

  **Contact Hours:** 2.5 per week

- **CNB656 BUILDING RESEARCH**
The significance of construction economics for the client, the professions, the industry and society; historical development, need for and main aims of cost control; comparing cost planning and approximate estimating; cost implication of design variable, shape, size, perimeter; storey height; cost implications of construction methods of site and market conditions, or prefabrication and industrialisation; types of approximate estimates; cost analyses, indices and data; cost in use, maintenance and running costs, the life of buildings and components; taxation and insurance.

  **Courses:** CN31, CN33

  **Prerequisites:** Final year

  **Credit Points:** 18

  **Contact Hours:** 4.5 per week

- **CNB661 RESEARCH DISSERTATION 1**
Develop an ability to disseminate and evaluate information and specialised knowledge and acquire an understanding of research methodology. Encompasses the definition, history, financing, future prospects and management of research. Students select a research subject, test its workability, develop procedures, prepare an outline for the study, draft the preliminary section and, after a series of critiques, present a bibliographic report, prepare a case study or project based upon an unusual or complex process within a relevant academic or professional area, prepare a report and give an oral presentation.

  **Courses:** CN32

  **Prerequisites:** Final year subject

  **Credit Points:** 8

  **Contact Hours:** 3 per week

- **CNB662 RESEARCH DISSERTATION 2**
See CNB661.

  **Courses:** CN32

  **Prerequisites:** CNB661

  **Credit Points:** 12

  **Contact Hours:** 3 per week

- **CNB700 PRINCIPLES OF VALUATION**
This unit is structured to assist students' learning across the three component areas of the market, the profession and methods of valuation. This will be achieved through coverage of topics which include: character of the property market value and market value; legal interests in property; property types; the valuation process; data collection, analysis and synthesis; factors influencing value, report writing, professional practice, valuation methods, identification of land.

  **Courses:** CN32

  **Credit Points:** 8

  **Contact Hours:** 3 per week

- **CNB701 REAL ESTATE ACCOUNTING**

  **Courses:** CN32, PS47, PS48

  **Credit Points:** 8

  **Contact Hours:** 2 per week

- **CNB702 INVESTMENT VALUATION**
Valuation formula, time / value concepts, investment approaches: basic capitalisation, disconnected cash flow analysis techniques. Valuation of varying incomes: terminating incomes and of interests less than freehold. Assumptions. Practical applications of investment approach to a range of real property interests.

  **Courses:** CN32

  **Prerequisites:** CNB700

  **Credit Points:** 12

  **Contact Hours:** 4 per week

- **CNB703 LAW 1**
Legal principles and process, the legal system and process; sources and divisions of law; rules of precedence; interpretation of statutes and regulations; legal practice and procedure;
law of property, ownership and possession; estates and interests in land; easements, rights of way and restrictive covenants; party walls, boundary walls, fences and encroachments.

**Courses:** CN32  
**Credit Points:** 8  
**Contact Hours:** 2 per week

**■ CNB704 RURAL VALUATION**  
The physical and economic factors of rural land and its development, land utilisation and degradation, farm management and productivity, factors influencing rural valuations. Rural sales, valuation procedures and inspections. Practical assignments.

**Courses:** CN32  
**Prerequisites:** CNB700  
**Credit Points:** 8  
**Contact Hours:** 4 per week

**■ CNB705 PROPERTY & ASSET MANAGEMENT 1**  
Principles and practice of various property management applications: from residential management to specialised industrial, commercial and retail centre property. Aspects of property management theory to be addressed include: promotion of rental property; tenant selection and application of client instructions; preparation and drafting of documents; completion of statutory documentation; tenancy transaction recording and management; property inspections and security; property maintenance and management; lease negotiation and renewal; termination of tenancies; body corporate management; disputes and conflict resolution in the management of property; life cycle analysis issues. This unit incorporates coverage of items under units of competency standards ASF 16, 17, 18 and 19.

**Courses:** CN32, PS47, PS48  
**Prerequisites:** CNB703, CNB710, CNB568, CNB600, CNB567, CNB161, CNB162, CNB701, CNB711  
**Corequisites:** CNB261, CNB706  
**Credit Points:** 8  
**Contact Hours:** 2 per week

**■ CNB706 CONSTRUCTION ECONOMICS**  
History and need for cost control, comparisons between cost planning and approximate estimating, NPWC cost control system. Effects of height, shape and building efficiency upon cost and value. Functional requirements and cost implications of construction methods. Influence of site and market conditions; economics of prefabrication and industrialisation. Building cost and data bases and indices, cost checking and analysis. Value management and life cycle costing. Introduction to tax depreciation and tax effective design.

**Courses:** CN32  
**Prerequisites:** CNB162, CNB714  
**Corequisites:** CNB261, CNB705  
**Credit Points:** 8  
**Contact Hours:** 2 per week

**■ CNB707 PROPERTY DEVELOPMENT 1**  
Development sectors covering commercial offices (high and low rise, CBD and suburban), retail (CBD, secondary, regional, strip and festival), industrial, infrastructure, short-term accommodation, leisure property (3 to 5 star hotels, integrated resort, motel, golf courses, marinas). Residential land subdivision both small (under 20ha) and large; medium and high density housing including a systematic critique of the Australian Model Code of Residential Development (AMCORD) and its effects on lot yields and service efficiencies. Development of the building approval process; rezoning and political influences on the development process; changing social needs and the effects on development; feasibility studies, development budget control, taxation, development financing and the development process; legal development structures. Marketing and selling, commissioning and leading development teams; planning for client satisfaction and development sensitivities.

**Courses:** CN32  
**Prerequisites:** CNB261, CNB706, CNB716, CNB705  
**Corequisites:** CNB709  
**Credit Points:** 8  
**Contact Hours:** 2 per week

**■ CNB708 PROPERTY DEVELOPMENT 2**  
See CNB707

**Courses:** CN32, PS47, PS48  
**Prerequisites:** CNB707  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**■ CNB709 PROPERTY & ASSET MANAGEMENT 2**  
See CNB705

**Courses:** CN32, PS47, PS48  
**Prerequisites:** CNB705  
**Credit Points:** 8  
**Contact Hours:** 2 per week

**■ CNB710 LAW 2**  
Legal aspects of auctioneer and agents acts; residential tenancies acts, land sales acts, building unit and group titles acts; law of principal and agent; body corporate management; law of partnership, company law; bankruptcy and liquidation.

**Courses:** CN32  
**Prerequisites:** CNB703, CNB568, CNB600  
**Corequisites:** CNB567  
**Credit Points:** 8  
**Contact Hours:** 2 per week

**■ CNB711 REAL ESTATE ACCOUNTING & FINANCE**  
Budgeting and cost accounting, the production function, decision and control aspects of production, cost accounting, cost flows, cost types, cost classification, costing systems, standard costing and variance analysis, flexible budgets and budgetary control, performance and evaluation. Company finance: objectives of the finance function, use of financial indicators, debt equity sources of funds, financial versus capital structure; financial risk and gearing; cost of capital. Cash flow management: decision making using cash flow management techniques viz purchase versus lease, etc. Working capital management and short-term investment criteria. Capital budgeting for an ongoing business. Project sorting and budgeting.

**Courses:** CN32, PS47, PS48  
**Prerequisites:** CNB701  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**■ CNB712 PROPERTY INVESTMENT ANALYSIS 1**  
Topics covered include the principles and strategies of investment; alternative forms of investment; real estate as an investment medium; the property investment process; property ownership structures; initial feasibility analysis; detailed after-tax cash flow analysis involving NPV and IRR analysis; the modified internal rate of return approach; sensitivity and probability analysis; market analysis and real estate cycles; modern portfolio theory; institutional property investment; risk analysis and risk management; taxation and investment return.

**Courses:** CN32, PS47, PS48  
**Prerequisites:** CNB700  
**Credit Points:** 8  
**Contact Hours:** 3 per week

**■ CNB713 PROPERTY INVESTMENT ANALYSIS 2**  
See CNB712.

**Courses:** CN32  
**Prerequisites:** CNB700, CNB712, CNB702  
**Credit Points:** 8  
**Contact Hours:** 3 per week

**■ CNB714 URBAN ECONOMICS**  
Economic processes and spatial context of the city; differentiation of competing land use; location decisions in the urban market; intra-urban location; market failures, externalities and government involvement; transport in the urban environment; urban management; urban issues. Economics of the Australian construction industry.

**Courses:** CN32  
**Prerequisites:** CNB700, CNB180, CNB188  
**Credit Points:** 8  
**Contact Hours:** 2 per week

**■ CNB715 LAND ADMINISTRATION & MANAGEMENT**  
Land administration, cadastral surveys and land tenure. Land resource management, ecology, regional land systems, coastal and riverine development issues; environmental degradation, land contamination; heritage values and management.

**Courses:** CN32, PS47  
**Prerequisites:** CNB700, CNB180, CNB188  
**Credit Points:** 8  
**Contact Hours:** 2 per week

**■ CNB716 URBAN PLANNING**  
The material is arranged into three component areas: a basic introduction to the principles of planning including issues of equity and social responsibility; the generation of urban land uses and their physical distribution; the statutory planning process.
Courses: CN32  Credit Points: 8  Contact Hours: 2 per week

■ CNB717 ELECTIVE 1
The student should choose an elective to expand and develop their knowledge or learning in an area of relevance to their academic program. The elective may be drawn from any part of QUT and the approval of the Course Coordinator must be obtained prior to enrolment.
Courses: CN32  Prerequisites: Completion of year one  Credit Points: 8  Contact Hours: 2 per week

■ CNB718 ELECTIVE 2
See CNB717 Elective 1
Courses: CN32  Prerequisites: Completion of year two  Credit Points: 8  Contact Hours: 2 per week

■ CNN441 DISSERTATION
See CNN442.
Courses: CN77  Credit Points: 48

■ CNN442 DISSERTATION
The dissertation may be of a research or investigative nature on any approved area related to project management or property development. Suitable topics will be discussed and arranged with students each year. Each student will need to negotiate a suitable topic with a supervisor and will be examined by means of a dissertation by that supervisor and the unit moderator. Incorporates IFN001 Advanced Information Retrieval Skills which must be taken.
Courses: CN77  Credit Points: 48

■ CNP400 MANAGEMENT OF TECHNOLOGY
Introduces key concepts in management of technology and shows how these can be implemented. Furthers the understanding of the role of technology and its efficient management to build and maintain a competitive edge in business. Management of technology links engineering, science and management principles to identify, choose and implement the most effective means of attaining compatibility between internal skills and resources of an organisation and its competitive, economic and social environment. Course covers: technology and competitive advantage, technological trends and forecasting, acquisition of technology, and managing the technical function.
Courses: CN64, CN77, CN81  Credit Points: 6  Contact Hours: 2 per week

■ CNP401 MANAGEMENT OF TECHNOLOGY FOR COMPETITIVE ADVANTAGE
Introduces key concepts in management of technology and shows how these can be implemented. Furthers the understanding of the role of technology and its efficient management to build and maintain a competitive edge in business. Management of technology links engineering, science and management principles to identify, choose and implement the most effective means of attaining compatibility between internal skills and resources of an organisation and its competitive, economic and social environment. Course covers technology and competitive advantage, technological trends and forecasting, acquisition of technology and managing the technical function. Advanced use of industry case studies and assignments.
Courses: BS81  Credit Points: 12  Contact Hours: 2.5 per week

■ CNP402 PRINCIPLES OF VALUATION
Courses: CN64, CN77, CN81  Credit Points: 6  Contact Hours: 2 per week

■ CNP403 PROPERTY MAINTENANCE & ASSET MANAGEMENT
Technological, legal and financial factors in property maintenance, including taxation issues; the nature and importance of building maintenance: concept of building maintenance, liability for defects; capital, maintenance and running costs; quality control; government policy; planning of maintenance including inspections, long and short term; maintenance policies, cycles and profits, maintenance audits, maintenance manuals; building stock age and conditions, statistics; maintenance standards; application, attitude, quality control, responsibility; statutory requirements: Building Act, defective premises, Factories Act, fire precautions, health and safety; cost control: estimates and budgets, performance measures; life cycle costing.
Courses: CN64, CN77, CN81  Credit Points: 6  Contact Hours: 2 per week

■ CNP404 ADVANCED LAND DEVELOPMENT
The structure, operation and control of the land development industry including the politico-economic framework; land use plans and approval mechanisms of subdivisible land; financial aspect of development projects, trends and prospects in the housing development industry. Advanced assessment.
Courses: CN64, CN77, CN81  Credit Points: 6  Contact Hours: 2 per week

■ CNP406 INTERNATIONAL PROJECT MANAGEMENT
Examines international trends in project management from the perspective of the Australian project manager. Compares technical, managerial, economic and cultural concepts and issues related to project management in the global marketplace. Discusses emerging opportunities and misconceptions, with particular reference to the Asia-Pacific region. Provides the opportunity for international and local students to exchange ideas through the use of applied case studies and discussion groups. Lectures supported by a series of specialist industry lecturers.
Courses: CN64, CN77, CN81  Credit Points: 6  Contact Hours: 2 per week

■ CNP417 DESIGN MANAGEMENT
The nature of design and the factors which influence the process of design. It includes planning, managing and controlling the design process from inception to detailed documentation; decision sequences in design; appreciation of the consequence of design decisions on the total project; the inter-relationships between architectural design and engineering and service design requirements; briefing techniques.
Courses: CN64, CN77, CN81  Credit Points: 6  Contact Hours: 2 per week

■ CNP422 SPECIALIST VALUATIONS
Theory of value, valuation types and approaches, practical approaches to the following valuation types: rating, compensation for compulsory purchase, investment, own-use, property assets, portfolios, public and specialist properties. Assessment of potential.
Courses: CN64, CN77, CN81  Credit Points: 6  Contact Hours: 2 per week

■ CNP426 PROJECT DEVELOPMENT
Site selection and acquisition; securing the land; authority negotiation and approvals; authority approvals; resource planning; acquisition/procurement; project coordination; construction management; commissioning and occupation; property management; project finalisation; post control evaluations; project management objectives of cost time and quality; process overview; project stages; management principles; feasibility/justification; preliminary brief; development objective, motivation and needs; feasibility studies; project feasibility/justification; finance for projects; marketing.
Courses: CN64, CN77, CN81  Credit Points: 12  Contact Hours: 2 per week

■ CNP429 COST MANAGEMENT & ECONOMICS
Financial statements; investment decisions; economic evaluation; financing decisions; life cycle costing; control systems; management accounting and reporting; information systems; cost planning theories and techniques; the economy.
The motivation, instrumentation and application of property management for commercial and industrial real estate, including lease construction, rental valuations, rent review, review types, budgeting, outgoings and physical management. Trends and prospects.

**Courses:** CN64, CN77, CN81  
**Credit Points:** 6  
**Contact Hours:** 2 per week

**CNP430 CURRENT ISSUES**  
The unit is very much an integrative study area. There are two main strands: the integration, under the project management umbrella, of areas already studied; and the integration of recent and topical developments in the area of project management. Areas may include: quality management, case studies, computer applications and selection, technology, simulation exercises (Arousal, Bicep), recent developments, change management, ethics, panel discussions, research presentations. Some of these topics will be covered by guest speakers from industry or presented in seminars.

**Courses:** CN64, CN77, CN81  
**Credit Points:** 12  
**Contact Hours:** 2 per week

**CNP431 PROJECT MANAGEMENT**  
Introduction to theory of project management in the areas of communication, management and organisation as it applies to the project situation. Communication: process, skills, environment, applications; management theory and organisation theory. Negotiation. Project team building. Motivation theory. Construction and project leadership. Change. Strategic management and planning. Personnel. Decision-making strategies. Stress management. A series of case studies will be used to integrate the issues.

**Courses:** CN64, CN77, CN81  
**Credit Points:** 12  
**Contact Hours:** 2 per week

**CNP432 PROJECT MANAGEMENT LAW**  
Introduction to the legal system; contract law; elements of contract; contents of valid contract; legal issues and problems associated with project management contracts; arbitration; property law; international law; planning law.

**Courses:** CN64, CN77, CN81  
**Credit Points:** 12  
**Contact Hours:** 2 per week

**CNP434 TIME MANAGEMENT**  
Use of planning techniques for project control; effective planning; PERT; CPM; bar charts and line of balance; arrow networks; precedence networks; time and cost control; resource control and levelling; computer software; control and reporting techniques. Emphasis is on the development of practical skills, based on established theory, immediately applicable to the project management or development industry.

**Courses:** CN64, CN77, CN81  
**Credit Points:** 6  
**Contact Hours:** 2 per week

**CNP437 FIELD TRIP**  
An experiential field trip in an adventure-style environment. The emphasis is on team building, working in a stressful environment, communication skills, personal discovery and extension and building trust and relationships. The activities will be oriented to achieving greater awareness of and competence in the above areas. Students are required to contribute towards the cost if this externally offered unit.

**Courses:** CN64, CN77, CB81  
**Credit Points:** 6  
**Contact Hours:** 4 days

**CNP438 REAL ESTATE INVESTMENT ANALYSIS**  
Investment principles, characteristics, goals and strategies; investment alternatives; property investments and evaluation techniques; current property investment market in Australia; basic risk and return measures and financing; time value of money concepts, PV, FV, PMT, and dual rates; cashflow models and partial interests; NPVs and IRRs and their applications; cash flow assumptions and rates of return; practical cash flow applications and spreadsheets; financial feasibility study models; tax issues related to property investment; property type selection.

**Courses:** CN64, CN77, CN81  
**Credit Points:** 6  
**Contact Hours:** 2 per week

**CNP439 PROPERTY MANAGEMENT**  
The motivation, instrumentation and application of property management for commercial and industrial real estate, including lease construction, rental valuations, rent review, review
businesses and transcription.

**Courses:** ED50  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** COB119

■ **COB200 BUSINESS COMMUNICATION & TECHNOLOGY**

Extends the professional education of teachers of Business Communication and Technology and provides an opportunity to broaden knowledge of concepts and application of technology, its impact on functions, procedures and supervisory practices in organisations.

**Courses:** ED26  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** COB156

■ **COB203 COMMUNICATION RESEARCH METHODS**

The research methods dealt with include observation, group discussions, experimental studies, qualitative research and survey research. Special applications for communications research are considered and ethical issues discussed. Students will carry out projects using some of these methods, carry out elementary statistical procedures, analyse the results, and present their conclusions.

**Courses:** BS50, BS56  
**Prerequisites:** COB216  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** COB159, MKB112

■ **COB204 COMMUNICATION TECHNOLOGY FOR ORGANISATIONS**

The unit examines the process of adoption and implementation of new communication technologies within national and international business organisations. In particular, students will examine the role of the new communication technologies in managing and changing communication relationships within and between organisations.

**Courses:** BS50, BS56  
**Prerequisites:** BSB112 or 48 credit points of approved prior study  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** COB123, COB209, COB118, COB171

■ **COB205 GROUP COMMUNICATION: THEORY & PRACTICE**

This unit offers exploration and practice in interpersonal and communication skills such as listening, assertion and negotiation. Business and media interviewing and small group communication in organisational settings provide the focus for study. Interpersonal and group communication theory is a theoretical base for analysing communication performance. Students practise problem-solving strategies by rehearsing vocational situations.

**Courses:** BS50, BS56  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** COB106

■ **COB206 INDEPENDENT STUDY**

An opportunity for advanced level undergraduate students to undertake individual research in an area which is complementary to their course work.

**Courses:** BS50, BS56  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** COB161

■ **COB207 INTEGRATED MARKETING COMMUNICATION**

In past decades many marketeers separated the various marketing and promotional functions. They planned and managed them separately with separate budgets, separate goals and objectives, and separate views of the market. Today many companies recognise the concept of integrated marketing communications which coordinates the various promotional elements along with other marketing activities that communicate with customers. Integrated marketing communications requires a ‘total’ approach to planning marketing and promotion programs and coordinating communication functions.

**Courses:** BS50, BS56  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** COB138

■ **COB208 INTERCULTURAL COMMUNICATION & DIVERSITY**

This unit introduces the student to issues of cultural diversity and encourages an awareness of and response to different modes of communication operating in multicultural and cross-cultural business environments. It demonstrates how individuals and organisations can, through taking account of cultural influences or belief and behaviour, increase productivity and morale. Communication professionals may appreciate and use differences to find a career that cuts across organisations, countries and cultures.

**Courses:** BS50, BS56  
**Prerequisites:** BSB115 and BSB114 or 96 credit points of approved prior study  
**Credit Points:** 12  
**Contact Hours:** 3 per week

■ **COB212 OFFICE PROCEDURES**

Communication technology and its impact on functions and operational procedures in offices.

**Courses:** ED50  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** COB122

■ **COB213 STRATEGIC SPEECH COMMUNICATION**

This unit is based in rhetorical and group communication theory and informed by a knowledge of semiotics, specifically the way sign systems both create and interpret social meaning. Through these theories it introduces students to a fuller understanding of the verbal and nonverbal languages of communication. Theory and practice are interrelated to develop understanding and self-reflexivity within students concerning their own communication skills. This approach has the intention of guiding them to become effective persuaders, opinion leaders, and facilitators of both creative problem-solving and conflict management in groups within the workplace.

**Courses:** BS50, BS56  
**Prerequisites:** BSB117 or 48 credit points of approved prior study  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** COB134

■ **COB214 SUPERVISED PROJECT**

An individual research project investigating an approved aspect of communication technology.

**Courses:** ED50  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** COB128

■ **COB216 THEORETICAL PERSPECTIVES ON COMMUNICATION**

This course surveys the intellectual foundations of the communication discipline and provides an introduction to sophisticated and systematic explanations of communication and its consequences. Applications to the problems and opportunities encountered in the areas of organisational communication, public relations and advertising will be stressed.

**Courses:** BS50, BS56  
**Prerequisites:** BSB115 & BSB114, or 48 credit points of approved prior study  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** COB113

■ **COB217 WRITING FOR THE COMMUNICATION PROFESSIONS**

This unit grounds students in the key components of formal English grammar in order to enhance their understanding of writing at the word, sentence and paragraph level. The unit builds on students’ intuitive understanding of how words work and equips them to work as writers and editors with a command of language structure and style.

**Courses:** BS50, BS56  
**Prerequisites:** BSB117 or 48 credit points of approved prior study  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** COB138
COB300 ADVANCED ADVERTISING
An expansion and addition of theoretical perspective and skills gained in the prerequisite units. There is heavy emphasis on application of these perspectives to solving advanced advertising problems and the use of both basic and advanced skills in these solutions.
Courses: BS50, BS56
Prerequisites: COB308 and COB305 or COB317
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB127

COB302 ADVANCED INTEGRATED MARKETING COMMUNICATION
The unit develops the theoretical basis of integrated marketing communication in an applied framework. Students develop integrated marketing communications plans for real organisations and present these plans with recommendations for implementation.
Courses: BS50, BS56
Credit Points: 12
Contact Hours: 3 per week

COB303 ADVERTISING CAMPAIGNS
Students will be briefed to prepare and document three advertising campaigns. The subjects of these campaigns will be drawn from actual industry marketing situations.
Courses: BS50, BS56
Prerequisites: COB306
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB131

COB304 ADVERTISING COPYWRITING
This unit is an important base for further study in advertising. Students are introduced to the principles, theory, and practice relating to the creation of advertisements. The role of the copywriter in the advertising process is examined as is the relationship between copy and art. Practical work involves the writing, setting and presentation of copy for print advertising for manufacturers, service industries and the retail sector. Case briefs for assignments are presented to students by advertisers or advertising agency executives. Finished presentations are then made to these specialists.
Courses: BS50, BS56
Corequisites: COB308
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB118

COB305 ADVERTISING COPYWRITING – ELECTRONIC
The unit consists of a series of lectures, tutorials, and practical assignments designed to develop appreciation of the specific theoretical and production factors concerning advertising copywriting involved in television, radio and industry related to audio visual presentations.
Courses: BS50, BS56
Prerequisites: COB304
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB119

COB306 ADVERTISING MANAGEMENT
The purpose of this unit is to provide the students with an understanding of the managerial side of the advertising profession and to equip them with the tools they need to make executive decisions in advertising. Students will examine the process of setting appropriate advertising objectives, designing a program of advertising research, the social environment and regulation of advertising, managerial participation in the creative and media planning process, account management in an advertising agency, client-company management and the advertising process, completing theoretical concepts of how advertising works.
Courses: BS50, BS56
Prerequisites: COB308
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB126

COB307 ADVERTISING REGULATION & ETHICS
The unit introduces students to and familiarises them with the various laws, regulations, standards, and codes which apply to all forms of advertising in Australia. Students will examine selected contentious advertisements, some of which have been found to breach the current laws and self-regulation codes. They will also examine guidelines of the Trade Practices Commission with respect to current topical claims made in advertising, e.g. ‘environmentally friendly’, ‘made in Australia’, ‘price’ and general comparative claims. The unit will also cover specific problems in relation to advertising claims made in respect of certain ‘products’ e.g. food, real estate and credit.
Courses: BS50, BS56
Prerequisites: COB308
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB122

COB308 ADVERTISING THEORY & PRACTICE
This subject serves as an introduction to later units in the communication course, and is a prerequisite for further advertising units. It is also a useful elective unit for management and accounting students. The principles of advertising give students an overview of the advertising industry. The unit traverses the interrelationship of the institutions of advertising, the advertisers, the advertising agencies, and the media. It details methods of determining advertising budgets, establishing target audiences, interpreting audience ratings, and circulation figures, and enables students to gain a preliminary understanding of the creative functions of the advertising industry. It also shows the ethical and legal side of advertising and its important role in today’s society.
Courses: BS50, BS56
Prerequisites: COB216 or 96 credit points of approved prior study
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB116

COB309 APPLIED COMMUNICATION RESEARCH
This unit follows up the Research Unit. Students demonstrate that they understand and can integrate communication principles used in the specialisations of organisational communication, public relations and advertising, through a wide variety of contexts, situations and problems. They participate in and present a project that demonstrates an understanding of applied communication research in designing communication responses to problems in local, national and international organisations. In addition, they will analyse a broad range of applied communication projects through national and international case studies. In effect, the unit highlights how communication challenges arise through competing interests of various publics and how effective messages, written texts, speeches, media presentations and campaigns have the capacity to impact on society.
Courses: BS50, BS56
Prerequisites: COB203
Credit Points: 12
Contact Hours: 3 per week

COB310 COMMUNICATION ISSUES
The unit examines the social structure and dynamics that influence the individual’s perception and decoding of messages; attitude formation; consumer choice; behaviour change; and responses to professionally mediated communication. It uses a changing range of contemporary issues as a focus for applied theory. The course raises student awareness of contemporary issues that shape and respond to social practice, explaining how to track the emergence and development of these issues. A major focus of the unit involves a specific examination of the impact of communication technology on social discourse. The unit culminates in the creation of a theoretical base for the appropriate targeting of messages in the practice of public relations, advertising and organisational communication.
Courses: BS50, BS56
Prerequisites: COB203 and COB216
Credit Points: 12
Contact Hours: 3 per week

COB311 COMMUNICATION PRACTICE: INTERPERSONAL & PRESENTATIONAL STRATEGIES
The unit explores interpersonal and presentational communication skills and how these interact with, and influence, attitudes and behaviours within organisations. It also looks at the concept and realities of power in organisational life. Theo-
retical bases of rhetoric, semiotics, and interpersonal communication will be foregrounded as they contribute to an understanding of strategic communication in a variety of workplace contexts. Theory and practice of different genres of spoken communication will be examined to develop understanding and self-reflexivity within students. Topics relating to organisational communication, public relations and advertising will inform content, practice and assessment.

Courses: BS50, BS56
Prerequisites: COB213 or 96 credit points of approved prior study
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: COB158

■ COB313 CONSULTING FOR THE COMMUNICATION SPECIALIST
This unit identifies and critically analyses organisational communication issues through planning a course of action; using research to monitor change; applying problem-solving skills. It is tailored for students who have completed most of the organisational communication major and is designed as an advanced level preparation for employment in the field. The student defines, analyses and makes recommendations to resolve a communication difficulty or problem that is relevant to an organisation. It requires that the student make pragmatic connections to a real issue.

Courses: BS50, BS56 Prerequisites: COB203, COB318
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: COB100, COB102

■ COB314 CORPORATE WRITING & EDITING
This unit deals with current principles and practices in writing corporate documents. Students will develop an understanding of language and style to allow them to make the sophisticated rhetorical choices necessary in professional writing and publishing. Topics covered include the content, style and presentation of corporate documents, reader considerations and influences of new technology on corporate culture.

Courses: BS50, BS56 Prerequisites: COB217 or 96 credit points of approved prior study
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: COB157

■ COB315 DIRECT RESPONSE ADVERTISING
This unit builds upon the underlying philosophies and practice of direct marketing and direct response advertising in its various forms. A major focus will be on the creative aspects of direct marketing and direct response advertising including developing creative strategies, copywriting, effective direct response ads, and applying appropriate techniques. Skills in the appropriate areas will be taught and practised. There is a considerable emphasis on practical work.

Courses: BS50, BS56
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: MKB128

■ COB316 GOVERNMENT & FINANCIAL RELATIONS
Standards of social responsibility and public accountability in organisations and society. Through the presentation of case studies in political and government relations, students develop an understanding of problem definition, the planning and implementing of public relations programs, and the communication strategies designed to solve specific problems.

Courses: BS50, BS56 Prerequisites: BSB114
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: MKB132

■ COB317 MEDIA PLANNING
Topics of study include the following: costing and scheduling media, qualitative and quantitative factors affecting media selection and use, market targeting, researching the media plan, planning media strategy, coordinating media, media options, concepts of media decision-making, media exposure, media comparisons, media trends, and the computer.

Courses: BS50, BS56 Prerequisites: COB308
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: MKB125

■ COB318 ORGANISATIONAL COMMUNICATION
This unit identifies and explores a range of issues of importance in organisations: organisational culture, power and politics, influence strategies, organisational change, managing diversity, including issues of gender and intercultural communication, impact of technology, and ethics. Both traditional and critical perspectives on managing communication will be explored.

Courses: BS50, BS56 Prerequisites: COB216
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: COB112

■ COB319 PRINCIPLES OF DIRECT MARKETING
This unit focuses on the basic principles and practices of direct marketing and its role in the marketing mix. The unit will cover the essential elements of direct marketing with emphasis on direct mail. Telemarketing, direct response advertising, fund-raising, database marketing, financial considerations, and legal and ethical issues will be covered. Emphasis will be given to the practical elements of direct marketing and hence a number of field visits are incorporated in this unit to ensure the appropriate skill mix is learnt.

Courses: BS50, BS56
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: MKB157

■ COB320 PROFESSIONAL ADVERTISING PRACTICE
This subject places students in an industry environment where they are required to work in the four major areas of advertising: advertising management, production, creative and media planning. Students are required to write a report and relate their experience in an advertising agency to the course they have undertaken at QUT.

Courses: BS50, BS56 Prerequisites: COB309
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: MKB106

■ COB321 PROFESSIONAL PUBLIC RELATIONS PRACTICE
Students must undertake 160 hours of field experience within a relevant public relations function in an organisation or consultancy. Seminars are conducted before and after the work experience to prepare the students for the work environment and to analyse the work experience.

Courses: BS50, BS56
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: MKB105

■ COB322 PUBLIC RELATIONS CAMPAIGNS
This is a specialist public relations unit allowing students to implement the tactical subjects taken throughout the public relations course, in a strategic and focused manner. It is practice-based and the lecture program consists of topics covering client relations, use of research, objectives-setting, the managing of campaigns, problem-solving, planning and organising special events and media relations. Specialist practitioners are invited to impart their experience in the field. The major assignment is a campaign for a community organisation which is conducted with students working in small groups.

Courses: BS50, BS56 Prerequisites: COB324, COB309
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: MKB117

■ COB324 PUBLIC RELATIONS ISSUES & STRATEGIC PLANNING
The subject consists of four modules: public relations in the context of strategic management; the issues management triangle: government, business and community; strategic public relations research; and strategic public relations planning.

Courses: BS50, BS56
Prerequisites: COB203 or 96 credit points of approved prior study
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: MKB133
COB325 PUBLIC RELATIONS THEORY & PRACTICE
This subject introduces the theory and practice of public relations. The history, theories, models and management of public relations activities and processes are covered including methods of communicating with different groups within society. Students are introduced to areas of specialisation including employee relations, corporate identity development, community relations, financial relations, media liaison and government relations.
Courses: BS50, BS56
Prerequisites: BS117, COB216 or 96 credit points of approved prior study
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB124

COB326 PUBLIC RELATIONS WRITING
This subject develops students’ abilities to plan, write and manage written and oral communication in the public relations context. It builds on earlier writing subjects to enable students to respond to specialist communication settings, media and audiences, increasing their ability to evaluate communication requirements and their flexibility in meeting these varying requirements. The subject offers a broad perspective on organising and developing writing functions in corporate settings, particularly with respect to corporate speechwriting and house newsletters and magazines, as well as providing the opportunity to advance public relations writing abilities.
Courses: BS50, BS56
Corequisites: COB327
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB120

COB327 PUBLICATION MANAGEMENT
This subject analyses the steps involved in communicating in print and managing this process. It focuses on the role of the communication consultant to negotiate tension between a client’s specifications and an audience’s requirements, and oversees the management of resources to produce a tangible print product, as a valuable element in a communication program. The subject offers students the opportunity to produce a ‘real life’ brochure for a client. Desktop publishing training is an adjunct to this subject, and is required for assignments.
Courses: BS50, BS56
Prerequisites: COB329
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB123

COB328 PUBLICITY & PROMOTION – ELECTRONIC
This unit examines opportunities for public relations practitioners using electronic media. These include public relations opportunities using radio and television, corporate videos, video news releases, videconferencing, community service announcements and the Internet/multimedia. Students produce a video news release for a client organisation, including scripting, presenting and production management.
Courses: BS50, BS56
Prerequisites: COB329
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB130

COB329 PUBLICITY METHODS
This subject focuses on the tools and methods public relations practitioners use to obtain publicity for their organisation or client. Students are taught to write media releases, media alerts and material for media kits for both print and electronic media. Integral to all elements of the subject is the identification of newsworthiness and how this differs for different audiences and media. The students work ‘hands on’ in tutorials with various scenarios. ‘Real World’ clients are used for student assessment.
Courses: BS50, BS56
Prerequisites: COB217
Corequisites: COB325
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB129

COB332 ISSUES IN PUBLISHING
The processes involved in book and magazine publishing: changing media habits and literacy skills of consumers; the impact of technology and business; strategic positioning; editorial concepts and steps in production.
Courses: BS50, BS56
Prerequisites: COB217 or 96 credit points of approved prior study
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: COB109

COB333 PUBLICITY & PROMOTION – PRINT
This subject focuses on communication with the print media. Students are given the background, techniques and skills needed to work with newspapers, magazines and trade press. Producing and evaluating communication materials such as news releases, features and media kits form the core of the subject. Guest lecturers join the class to discuss aspects of media relations, news photography and publicity planning.
Courses: BS50, BS56
Prerequisites: COB325
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB129

CON401 ADVANCED ORGANISATIONAL COMMUNICATION
Organisational communication focuses on how people relate with each other in modern organisational settings, from small businesses to multi-national organisations in the public and private sector. Drawing together theories of communication as they apply to workplace settings, the subject provides the opportunity to analyse and reflect on the role of communication in constructing the conditions for achieving productivity for organisations and rewards for employee participation.
Courses: BS59, BS88
Prerequisites: PG only; CON406 or CON420
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: CON102

CON402 CASE STUDY DEVELOPMENT
This unit teaches the individual how to develop an effective and provocative case study. The development consists three phases: (a) researching and analysing, (b) writing and strategically preparing, and (c) presenting. The case study development enhances the individual’s critical thinking and builds one’s presentational skills. The person will research a business, industry, or campaign to identify the critical problems or innovative solutions. Based on the research, the person will construct a report that emphasises significant issues. The report will incorporate appropriate presentational formats to highlight the issues.
Courses: BS59, BS88
Prerequisites: PG only; CON406 or CON420
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: CON102

CON403 COMMUNICATING BREAKTHROUGH SERVICE
Breakthrough service goes beyond merely ‘good’ service to reach the point of ‘having no second’ as a competitor. The world’s best practice companies reach this point and become the benchmark for their respective industries. This course shows individuals the relationship between breakthrough service and increased profit, productivity and morale. The course demonstrates how the organisation can communicate the importance of profitability related to service, customer satisfaction that makes a difference, corporate cultures that motivate employees to engage in breakthrough service, and corporate values that lay the foundation for breakthrough service.
Courses: BS93
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week

CON404 COMMUNICATION PRACTICE FOR PROFESSIONALS
This unit covers key theoretical principles and practical applications of presentation and writing skills in the workplace. Topics include theories of language and communication, structuring and designing for an audience, analysis of documents and speech presentations, managing and mentoring the writing and presentation skills (including media interviews) of staff, and preparation for staff training and consulting in these roles.
Courses: BS88
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: COB217, COB213
CON405 COMMUNICATION PROJECT
Students in the coursework Masters program undertake a study of an applied or theoretical communication issue. This will be based on the published literature and may also involve primary research. Students may wish to undertake a study of a communication issue or problem in a particular organisation or industry. Project supervision will be arranged by the Course Coordinator through consultation with the student and available staff members. The report should be of approximately 7000 words.
Courses: BS88
Prerequisites: PG only
Credit Points: 12

CON406 COMMUNICATION STRATEGIES
Communication theory put into practice. Examples of policy and plans; how to produce the appropriate change through communication. The ethics of persuasion and the problems of cooperation explored in the process of policy formation and planning. Students take into account the social implications of producing change, the role of the change agent and ways to monitor the effects in Australia as well as developing societies.
Courses: BS63, BS92, BS93, BS88
Prerequisites: PG only; UG degree in Communication or CON420
Credit Points: 12

CON407 COMMUNICATION TECHNOLOGY & GLOBAL NETWORKS
This unit examines the technical principles and organisational features of contemporary and emerging communication technologies, and specifically focuses on global networks used for interpersonal and inter-organisational purposes within national and international communities. Theories of planned and unplanned change are applied to assess the social and economic impact of these technologies. Among the topics to be addressed are information society, participatory forms of social change, the integration of interactive media through the global transmission of data in digital form, and the organisational applications of high-definition video.
Courses: BS63, BS88, BS92, BS93
Prerequisites: PG only
Credit Points: 12

CON408 CRISIS COMMUNICATION
This subject examines the strategic management of crisis communication including pre-crisis planning, issues identification, audience prioritisation, strategy formulation, tactical planning and implementation and evaluation. The subject covers both internal and external communication during times of crisis. Pre-crisis issues management will be addressed as well as proactive and defensive communication strategies during crisis. The subject will demonstrate the application of general communication tools to a specialised area.
Courses: BS88, BS93
Credit Points: 12

CON409 FINANCIAL COMMUNICATION
The unit reviews all aspects of the public relations function in communicating with financial markets. Specific focus is placed on how publicly listed companies meet both regulatory and marketing requirements in communicating with external audiences. Suitable communication tools will be examined for use in ongoing investor relations programs as well as in specialist situations including financial communication during takeover and capital raising periods.
Courses: BS88, BS93
Credit Points: 12

CON410 INTERPERSONAL COMMUNICATION & NEGOTIATION
This unit explores the theory and practice of interpersonal communication and negotiation. It focuses on the role of interpersonal and group skills in the development of effective work teams. Current understandings of the dynamics of power and participation in communication processes in organisations will be used to contextualise the experience of the individual and the group. An analysis of the possibilities of, and the constraints on, effective interpersonal communication will be undertaken to provide the opportunity for students to develop strategies to support workplace practice.
Courses: BS88
Prerequisites: PG only
Credit Points: 12

CON411 INDEPENDENT STUDY UNIT
An opportunity for advanced level postgraduate students to undertake individual research in an area which is complementary to their course work.
Courses: BS72, BS73, BS88, BS93
Prerequisites: PG only
Credit Points: 12

CON412 INTERNATIONAL ADVERTISING
The unit considers the assertion by Levitt that companies should globalise marketing and advertising strategies by applying the same strategy in all foreign and domestic markets. This viewpoint is contrasted by theorists such as Kashani, and Murrow, who suggest that a number of factors necessitate the development of separate strategies in some international advertising situations. Issues of international advertising will be discussed, including regulatory requirements for comparative advertising, children’s advertising, media availability and local production considerations.
Courses: BS93
Prerequisites: PG only
Credit Points: 12

CON413 ISSUES IN INTERCULTURAL COMMUNICATION
This unit addresses issues which are related to: culture as a determinant of human behaviour (stereotypes, typifications and human uniqueness); the dynamics of intercultural contact for interpersonal cooperation and/or competition; the implications of cultural diversity for societal enrichment or disintegration; the consequences for self identity in an interconnected world.
Courses: BS88, BS93
Prerequisites: PG only
Credit Points: 12

CON414 PUBLIC COMMUNICATION CAMPAIGNS
This unit explores the scope and context of public communication campaigns – how they are constructed, their assumptions and research methods underpinning them, and asks students to consider whether campaign planning and evaluation is as effective as it might be. The unit also explores community activities to develop a public issue, and community consultation as a process.
Courses: BS88, BS93
Prerequisites: PG only
Credit Points: 12

CON415 PUBLIC RELATIONS MANAGEMENT
This unit provides an understanding of the theory and practice of public relations. The history, theories, models and management of public relations activities and processes are covered including methods of communicating with different groups within society. Students will explore areas of specialisation including issues management, community consultation, crisis management, community relations, media liaison and government relations.
Courses: BS88
Prerequisites: PG only
Credit Points: 12

CON416 READINGS IN COMMUNICATION
This unit provides students with the opportunity to explore in depth the literature on a particular topic or area of communication under the direction of a supervisor. The readings should integrate and consolidate aspects of the studies undertaken in the course to date. Students are required to meet regularly with the supervisor for discussion and advice and to submit a paper of 5,500 to 4,000 words at the end of semester.
Courses: BS93
Prerequisites: PG only; CON418 or CON413 or CON409
Credit Points: 12 Contact Hours: 3 per week

■ CON417 SEMINAR IN ADVERTISING MANAGEMENT
This unit empowers students to make effective management decisions within the advertising process. It examines the setting of advertising objectives, and the need for coordination of these with marketing, communication and organisational objectives. It develops a sound understanding of advertising regulations and ethics, budgeting, research and campaign coordination. It further examines management's participation in the creative, media and production processes, and the contribution of advertising management to the cohesion and creativity of the agency.
Courses: BS88
Prerequisites: PG only
Credit Points: 12 Contact Hours: 3 per week

■ CON418 SEMINAR IN MEDIA STRATEGY
One of the ultimate determinants of the effectiveness of any advertising campaign is the media strategy. This unit examines ways to improve efficiency in media planning, buying, coordination and research. It examines concepts of media decision making, market targeting through the creative use of media, and strategic planning. It explores current media campaigns, and encourages the development of a more creative and integrated approach to media.
Courses: BS88, BS93
Prerequisites: PG only
Credit Points: 12 Contact Hours: 3 per week

■ CON419 STRATEGIES FOR CREATIVE ADVERTISING
This unit develops the implications arising from current theories of creative advertising. The unit requires students to develop an advanced applied and theoretical perspective of creative strategy. Areas for advanced discussion include the development of a creative process versus the concept of 'illumination', creative verification, and the use of appeals and execution styles, and how they affect the creative impact of a campaign or advertisement, and the message development of the communication process.
Courses: BS88, BS93
Prerequisites: PG only
Credit Points: 12 Contact Hours: 3 per week

■ CON420 THEORIES OF HUMAN COMMUNICATION
This course surveys the intellectual currents that inform the communication discipline. As communication is a multidisciplinary study, a wide range of theories, methods and contexts will be covered. This course will provide a foundation for understanding communication in a sophisticated and systematic way, and will apply that understanding to real-life business situations.
Courses: BS88
Prerequisites: PG only
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: COB216, COB113

■ CON421 SEMINAR IN INTEGRATED MARKETING COMMUNICATION
Students will be developing the theoretical concepts of integrated marketing communication in a practical environment. Issues include budgeting, planning and evaluation of integrated marketing communication programs.
Courses: BS85, BS61
Prerequisites: PG only; 48 credit points of approved prior study
Credit Points: 12 Contact Hours: 3 per week

■ CON423 ADVANCED CORPORATE WRITING
This unit deals with current principles and practices in writing and designing corporate documents both on paper and online. Topics covered include the content, style and presentation of corporate documents such as memos, letters, reports, proposals, submissions, job portfolios, organisational policy and procedural manuals, and newsletter articles. Emphasis is placed on the politics of corporate writing, and the influence of new technologies such as Email on corporate culture.
Courses: BS72, BS88, BS92, BS93
Prerequisites: PG only
Credit Points: 12 Contact Hours: 3 per week

■ CON500 RESEARCH METHODS
The purpose of this study is to provide students with a range of ideas and methods that will enable them to analyse, evaluate and conduct research in discipline areas related to business. It provides an essential and basic preparation for the development of a thesis or dissertation proposal. Areas of study cover both qualitative and quantitative approaches and include: research paradigms; analysis and criticism; research design; data collection; data manipulation and interpretation; and presentation.
Courses: BS63, BS92
Prerequisites: PG only
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: BSN102

■ CON501 RESEARCH SEMINAR
Designed to prepare students for writing their thesis; group instruction in techniques of thesis writing and what is involved in preparing a literature review and thesis proposal. Students choose a topic, have it approved and choose a supervisor under whose guidance they will undertake a literature review.
Courses: BS63, BS92
Prerequisites: PG only
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: BSP102

■ CPB330 ABORIGINAL & TORRES STRAIT ISLANDER EDUCATION POLICY
Historical, economic, social factors influencing the position of Aborigines and Torres Strait Islanders; cultural factors and educational policies and programs; development of policies and programs appropriate for these people.
Courses: ED37, ED43, ED50, ED51, ED52, ED54
Credit Points: 12 Contact Hours: 3 per week

■ CPB331 ASIAN CULTURE & EDUCATION
Provides pre-service teachers with knowledge and skills for working in the Asian context of Australian education. Content includes: cultural forms in Asia; contemporary socio-political developments; past and present educational strategies; promoting informed Asian awareness in curriculum and classrooms.
Courses: ED37, ED43, ED50, ED51, ED52, ED54
Credit Points: 12 Contact Hours: 3 per week

■ CPB334 POWERFUL TEACHERS, POWERFUL STUDENTS
Thematic questions about teaching: understanding the current notion of teacher/student power; ways of understanding teacher/student power and teaching through powerful and empowering teaching/learning models; the practical knowledge needed to empower beginning teachers.
Courses: ED37, ED43, ED50, ED51, ED52, ED54
Credit Points: 12 Contact Hours: 3 per week

■ CPB336 EDUCATION & CULTURAL DIVERSITY
The complex issues involved in catering for cultural diversity in schools and other education settings and strategies for professional practice in contexts of cultural diversity. Contents include: cultural change in education; racism in schooling; curriculum issues; English as a second language; school-community relations.
Courses: ED37, ED43, ED50, ED51, ED52, ED54
Credit Points: 12 Contact Hours: 3 per week

■ CPB337 GENDER & EDUCATION
The significance of gender issues in education, together with knowledge of relevant research and policy developments. There will be an emphasis on the implications for school organisation, curriculum and teaching strategies.
Courses: ED37, ED43, ED50, ED51, ED52, NS48, ED54
Credit Points: 12 Contact Hours: 3 per week
■ CPB338 IDENTIFYING & RESPONDING TO STUDENT DIFFERENCES
The range of perceptions and reactions to individual difference; the psychological explanations for the sociocultural contexts of difference in schools; perspectives on the identification and classification of special educational needs. From a commitment to social justice and equity, it examines policy initiatives which impact on learners and teachers; identifies appropriate strategies.
Courses: ED37, ED43, ED50, ED51, ED52, ED54
Credit Points: 12 Contact Hours: 3 per week

■ CPB339 TEACHING ABORIGINAL & TORRES STRAIT ISLANDER STUDENTS
An examination of the cultural, linguistic and social background of Aboriginal and Torres Strait Islander students and their current educational needs. Curriculum issues and classroom strategies for more effective teaching of Aboriginal and Torres Strait Islander students, together with strategies for working with parents and the community.
Courses: ED37, ED43, ED50, ED51, ED52, ED54
Credit Points: 12 Contact Hours: 3 per week

■ CPB340 CONTEXT OF ADULT & WORKPLACE EDUCATION
The impact of major social, economic, cultural, environmental and technological trends on education, work and citizenship. A range of interpretations and perspectives is presented. Participants evaluate and relate these to the practical contexts of their work as adult and workplace educators.
Courses: ED54
Credit Points: 12 Contact Hours: 3 per week

■ CPB341 COMMUNITY, LEADERSHIP & CITIZENSHIP
Contemporary issues and factors impacting on communities and creating special needs for community education, leadership and organisational capacities, improved cultural awareness, and revitalised practices of active and informed citizenship.
Courses: ED54
Credit Points: 12 Contact Hours: 3 per week

■ CPB342 EDUCATION IN CONTEXT
Education and change in a post-modern society; the implications for education of the complex and diverse nature of Australian society; the role of policy making in meeting the educational challenges of the 1990s.
Courses: ED43, ED50, ED51, ED52
Credit Points: 12 Contact Hours: 3 per week

■ CPB343 UNDERSTANDING EDUCATIONAL PRACTICES
The social, cultural, historical and political contexts of schooling; technologies, practices and strategies employed by schools; the curriculum as a contested site; the place of schooling in the modern state. Critical reflection by students is encouraged, allowing them to engage with others as co-theorists in pedagogical work.
Courses: ED50, ED51, ED52, ED53, ED54
Credit Points: 12 Contact Hours: 3 per week

■ CPB344 VALUES & ETHICS IN TEACHING
Theories of ethics, guides to ethical (moral) behaviour; influences that shape ethical perspectives and behaviour; communicating ethical beliefs and perspectives; making ethical judgements; justifying ethical judgements; the place of ethical values in teaching; creating an informed and ethical citizenship; a code of ethics for teachers.
Courses: ED37, ED43, ED50, ED51, ED52, ED54
Credit Points: 12 Contact Hours: 3 per week

■ CPB345 INDIGENOUS CULTURE & IDENTITY IN THE AUSTRALIAN CONTEXT
Issues and positions arising from Australian Indigenous cultural contexts and identity; theoretical ways of understanding cultural identity formations and their social impact; critical analysis of the key issues in Reconciliation; processes of cultural understanding, research, critique and communication methods explored from the Aboriginal and Torres Strait Islander perspectives.
Courses: ED50, ED51
Credit Points: 12 Contact Hours: 3 per week

■ CPB420 CONTEMPORARY ISSUES IN EDUCATION
The cultural and social contexts relevant to the processes of education and schooling in an era of change; application of the principles of social justice to the evaluation of education policy and practice, and analysis of social and pedagogic action relevant to educational change.
Courses: ED26
Credit Points: 12 Contact Hours: 3 per week

■ CPB423 UNDERSTANDING SCHOOLS & THEIR COMMUNITIES
Schools and education systems face many pressures and competing demands which have altered the nature of classroom teaching, administration, and relationships between teachers, students and their families. This unit, drawing on sociological perspectives, provides a way of understanding, evaluating and critically responding to these pressures which impact on schools.
Courses: ED26
Credit Points: 12 Contact Hours: 3 per week

■ CPB424 USING HISTORY IN EDUCATION RESEARCH
An exploration of some of the legislative and administrative developments of Australian education. The focus will be on the sources of influence on education policy and administration, especially cultural, social, political and economic; the working of education bureaucracies; the leadership styles and administrative practices of professional leaders in education; case studies drawn from key turning points in schooling and society and studies of centralisation, decentralisation and structural reform.
Courses: ED26
Credit Points: 12 Contact Hours: 3 per week

■ CPB442 CULTURAL DIVERSITY & EDUCATION
This unit explores the multicultural nature of Australian society and its educational approaches to addressing the needs of cultural diversity. Participants will analyse the role of the school and the teacher with respect to schooling and pluralism. Students will learn how to identify and challenge various forms of discrimination, and recognise the kinds of social, curriculum, and classroom management policies which are sensitive to the needs of students from diverse socio-cultural backgrounds.
Courses: ED26, ED37, ED43, ED50, ED51, ED52, ED54, ED61
Credit Points: 12 Contact Hours: 3 per week

■ CPB444 ISSUES IN INDIGENOUS EDUCATION
Factors influencing the position of Aborigines and Torres Strait Islanders in Australian society; government policies; indigenous cultures and education; current initiatives; participation of indigenous communities in policies and programs.
Courses: ED26, ED53, ED61
Credit Points: 12 Contact Hours: 3 per week

■ CPB446 GENDER & SEXUALITY ISSUES FOR TEACHERS
Gender and sexuality in the school context; historical and cultural nature of gender relations; current debates and their impact on gender equity policies; theories of gender and sexuality being contingent on their social context; social theories, particularly in the area of sexuality, feminism, gender construction and gender relations and school practice.
Courses: ED26, ED37, ED43, ED50, ED51, ED52, ED61
Credit Points: 12 Contact Hours: 3 per week

■ CPB447 THE PLEASURE OF TEACHING & LEARNING
This unit focuses on the missing dimension of desire in teach-
ing and learning. It is designed with the purpose of helping all teachers and learners to claim more pleasure in pedagogical work (ie, work that involves teaching and learning), however it is undertaken. It explores the changes taking place which impact on fundamental daily procedures and practices in educational institutions and considers how teachers and learners might do their work in ways that are ethically responsible, technologically literate, and personally rewarding. The unit is taught only in summer or winter school mode, because face-to-face contact is regarded as essential at the outset, given that most school teaching is still performed by a visible body. The study school will be followed by an abbreviated semester of independent study, using the study guide and set readings provided.

Courses: ED26
Credit Points: 12

■ CPN603 CHANGING AGENDAS IN LEADERSHIP EDUCATION
The meaning of leadership in a world of change and dilemma, where, for example, corporate managerialism has to be reconciled with democratic, collaborative, gender and equity policy considerations. Contemporary differing approaches to the study of leadership are examined, including organisation theory, women and leadership, ethics and leadership, cultural analysis and critical theory.
Courses: ED13, ED11, ED61
Credit Points: 12

■ CPN604 EQUITY & EDUCATION MANAGEMENT ISSUES & STRATEGIES
An examination of the theory and practice of equity policies at all levels of educational management. Particular emphasis on issues of gender and educational leadership, disability, race and ethnicity.
Courses: ED13, ED11, ED61, IF64
Credit Points: 12

■ CPN605 ORGANISATIONAL CULTURES & EDUCATION LEADERSHIP
An investigation of the dimensions of culture in educational organisations undergoing change through examining key issues that are covered with economic rationalism and social justice, strategic planning/management and leadership, cultural analysis and design and particularly devolution and accountability.
Courses: ED13, ED11, ED61
Credit Points: 12

■ CPN606 EDUCATIONAL LEADERSHIP, POWER & CAREERS
Issues in the changing nature of work relating to class, race and gender as determined by the power structure within society and organisations. A personal understanding of the concept of career that encourages individuals to proactively reconsider their own life stream in the discontinuous, changing world of the 1990s is the focus.
Courses: ED13, ED11, ED61
Credit Points: 12

■ CPN607 GLOBAL CHANGE, DIVERSITY & EDUCATION
An introduction to policy approaches in education used in post-colonial nation-states, especially those in the Third World and in the Asia-Pacific region. It asserts that many of these nation-states are ‘dependent cultures’ and that education is framed by Western models. Alternative modes of education and policy in the international setting are explored.
Courses: ED13, ED11, ED61, IF64
Credit Points: 12

■ CPN608 GENDER & EDUCATION POLICY
Gender-equity is an important component of recent educational reform. The theories and policies underlying its adoption in educational systems and the socio-cultural contexts which has shaped its adoption.
Courses: ED13, ED11, ED61, IF64
Credit Points: 12

■ CPN609 MAJOR ISSUES IN POLICY MAKING
Policy analysis is an important component of contemporary educational practice. No change to schooling practices is contemplated when undergirded with a policy shift. Introduces students to skills of policy writing and analysis, and places these skills in the socio-economic and cultural context in which they arise.
Courses: ED13, ED11, IF64
Credit Points: 12

■ CPN610 YOUTH, SEX & CULTURE
Post-compulsory education, a feature of recent policy formation, has brought into renewed focus the nature of youth as a category of concern. The degree to which ‘youth’ as a category is understood in the new post-compulsory policies (Finn, Carmichael and Mayer) is examined.
Courses: ED13, ED11, ED61, IF64
Credit Points: 12

■ CPN611 POLICIES & PRACTICES FOR INCLUSIVE EDUCATION
The socio-cultural, organisational, curriculum and pedagogical contexts of child care and education with a focus on the ways in which special needs are socially constructed and the ways in which this is manifested in educational settings. Identification of procedures conducive to the formation, articulation and implementation of inclusive educational policies and practices in a range of educational and child care settings. Children’s disruptive and challenging behaviours.
Courses: ED13, ED11
Credit Points: 12

■ CPN612 TEACHING PRACTICES & THE POLICY CONTEXT
This unit provides a foundation for thinking about, and developing skills in, advanced teaching practices – seen as integrating theory and practice – across a range of settings within the new policy context, predicated on the belief that teaching experience alone is unlikely to equip teachers for the unpredictable and volatile nature of contemporary workplaces. The unit provides a foundation on which teachers may come to see themselves as active players in contemporary educational settings, able to make strategic interventions of a pragmatic and fulfilling kind in a shifting and volatile policy context.
Courses: ED13, ED11
Credit Points: 12

■ CPN613 SCHOOL/COMMUNITY RESPONSES & INTERVENTION
This unit examines the social and contextual causes and correlates of student behaviour, and explores ways in which school systems and school communities may address these. The policy and professional practice implications of supportive school environments are examined in detail.
Courses: ED13, ED61, ED11
Credit Points: 12

■ CPN614 SOCIO-CULTURAL CONTEXTS OF CIVICS & CITIZENSHIP EDUCATION
This unit examines the origins of ideas and practice in citizen-ship education and focuses on how we can find the most effective and equitable means to impart to individuals how they can achieve fully participate in civic and community life in Australia. Students are encouraged to draw on their community and professional contexts for class discussion and assessment. Through assessments students evaluate current literature, particularly policy, in the field of civics and citizenship education and negotiate a project which is a practical investigation of a relevant issue within a school, community or workplace setting.
Courses: ED13, ED11
Credit Points: 12

■ CPP411 UNDERSTANDING EDUCATION IN CONTEMPORARY AUSTRALIA
The teacher as a professional; classroom practice; school culture and organisation; national issues affecting schooling.
Courses: ED35, ED36, ED37
Credit Points: 12
Contact Hours: 3 per week

■ CPP412 UNDERSTANDING EDUCATION IN CONTEMPORARY AUSTRALIA
The teacher as a professional; classroom practice; school culture and organisation; national issues affecting schooling.
Courses: ED37
Credit Points: 12
Contact Hours: 3 per week

■ CPP501 SOCIO-CULTURAL ISSUES IN EDUCATION
Examines socio-cultural contexts of schooling; the pastoral care and special needs industries; resistance and disruption in schools; disability and integration.
Courses: ED28, ED61
Credit Points: 12
Contact Hours: 3 per week
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trends’ policies and practices in environmental education in early childhood settings; consideration of ecologically sustainable development and social justice through education about, in and for the environment; a strong focus on teachers of young children exploring their own attitudes, values and actions in relation to these goals. The unique perspectives of Aboriginals and Torres Strait Islanders with regard to environmental issues will be examined.

Courses: ED52
Credit Points: 12
Contact Hours: 3 per week

■ EAB315 CREATING CURRICULUM WITH YOUNG CHILDREN

Students examine dilemmas arising when teachers plan to negotiate the curriculum with children and parents in child care, preschool/kindergarten and primary school settings. Critical analysis of strategies teachers use to create ‘spaces’ where children are able to construct knowledge in personally relevant ways.

Courses: ED52
Credit Points: 12
Contact Hours: 3 per week

■ EAB316 EARLY CHILDHOOD ART EDUCATION

Historical and contemporary trends in art education; philosophy and practice in early childhood visual arts education; in-depth exploration of young children’s artistic developmental and learning; assessment and evaluation of visual arts in early childhood; strategies for children’s art exhibitions; public information about children’s artistry; advocacy for improving options for young children in the visual arts.

Courses: ED52
Credit Points: 12
Contact Hours: 3 per week

■ EAB317 EARLY CHILDHOOD DRAMA IN EDUCATION

The development of skills and understandings of drama in education; in-depth exploration of techniques and strategies to enhance young children’s dramatic ways of knowing and learning; assessment and planning for drama across the early childhood curriculum.

Courses: ED52
Credit Points: 12
Contact Hours: 3 per week

■ EAB318 EARLY CHILDHOOD EDUCATION & FAMILY ISSUES IN AUSTRALIA

Contemporary issues facing families such as changing employment patterns, changing family forms, ethnic and cultural diversity and new technologies; in-depth analysis of contemporary issues as they impact on families and on early childhood education; strategies for responding to families and the key issues they face in the context of early childhood education.

Courses: ED52
Credit Points: 12
Contact Hours: 3 per week

■ EAB319 EARLY CHILDHOOD SOCIO-CULTURAL CONTEXTS

Opportunity to investigate a broad range of issues currently affecting early childhood educators and their clients, with in-depth study of an issue selected from this broad range. Issues include work based child care and the effect on children, families and teachers; vacation care programs and before and after school programs and what this means for primary school children; the role of early childhood educators as agents of social change; policy decisions made at state and federal levels which affect early childhood education; how changing patterns of work/family life affect early childhood education; cultural and social change; policy decisions made at state and federal levels which affect early childhood education; child care and the liberation of women or the repression of women; child care, ethnicity and early childhood services.

Courses: ED52
Credit Points: 12
Contact Hours: 3 per week

■ EAB320 ETHICAL RESPONSIBILITIES IN EARLY CHILDHOOD

In-depth examination of legal and ethical responsibilities of early childhood educators; overview of changing trends in legislation relating to children; current issues in children’s rights, including welfare, human rights, child care; professional ethics and the responsibility of the early childhood educator to children, parents, the community, society, colleagues and the profession; advocacy for improved opportunities for young children; case studies of Australian issues in advocacy, ethics and the law.

Courses: ED52
Credit Points: 12
Contact Hours: 3 per week

■ EAB321 EVERYDAY FOOD & SCIENCE FOR YOUNG CHILDREN

An overview of science topics, concepts and processes as experienced in everyday life, in the home and various early childhood educational settings; exploration of a food cycle approach to learning, with consideration of space, time, resources and teaching strategies; current early childhood policies and practices which affect the needs of children from birth to age eight years; staff health in relation to early childhood program delivery.

Courses: ED52
Credit Points: 12
Contact Hours: 3 per week

■ EAB322 INTEGRATING YOUNG CHILDREN WITH SPECIAL NEEDS INTO EARLY CHILDHOOD PROGRAMS

The integrated approach to teaching children with disabilities through an effective and cooperative team approach of teachers, families and support personnel; philosophical and policy issues for the least restrictive early education for young children with disabilities; the range and nature of disabilities early childhood teachers may encounter in their practice; development, implementation and evaluation of individualised programs; teaching strategies for integration into regular programs; needs and concerns of families; the range of support services available to families and teachers.

Courses: ED43, ED52, ED53, ED20
Credit Points: 12
Contact Hours: 3 per week

■ EAB323 MANAGEMENT OF EARLY CHILDHOOD SERVICES

General management theory and practice; organisational and leadership styles; management of various early childhood services; setting policies and planning for services; implementing day-to-day tasks and operations; managing and working with people; considering ethical issues and conduct; working outside early childhood services.

Courses: ED43, ED52, ED53
Credit Points: 12
Contact Hours: 3 per week

■ EAB324 MUSIC EDUCATION & YOUNG CHILDREN

In-depth exploration of musical elements in relation to concept development in young children; application of specific techniques for guiding children’s understanding, such as solfege, ostinato with Orff-type instruments, and listening with a musical focus; extension of personal musicianship and creativity; integration of music with other areas.

Courses: ED52
Credit Points: 12
Contact Hours: 3 per week

■ EAB325 RESEARCH IN EARLY CHILDHOOD DEVELOPMENT

Research design, methodology and analysis as applied to the study of young children’s development. This elective is recommended for students considering enrolment in postgraduate research courses in Early Childhood. Developmental, cross-sectional and cross-sectional designs; experimental, quasi-experimental and naturalistic designs; hypothesis generation; ethical issues in conducting research with young children; measurement and sampling; introduction to descriptive and inferential statistics; report writing and organisation.

Courses: ED52
Credit Points: 12
Contact Hours: 3 per week

■ EAB326 ROUTINES FOR INCLUSIVE EARLY CHILDHOOD CURRICULUM

The routines for daily living in kindergartens, preschools, child care centres and primary schools; the creation of routines which...
will foster inclusivity of difference based on race, gender, social class and intellectual capabilities; particular attention is given to contexts which are inclusive of Aboriginal and Torres Strait Islander values and beliefs. Investigations of practices currently in use in early childhood settings will form the basis for critical analysis of possibilities for improving practice.

**Courses:** ED52  
**Credit Points:** 12  
**Contact Hours:** 3 per week

- **EAB330 STORYTELLING IN EARLY CHILDHOOD**  
The identification and exploration of the craft of the storyteller. In particular it will focus on a range of storytelling techniques, identification of suitable stories that can be told; cultural influences on storytelling and storytelling across the curriculum.

**Courses:** ED52  
**Credit Points:** 12  
**Contact Hours:** 3 per week

- **EAB331 TECHNOLOGY & THE YOUNG CHILD**  
The use of computers, calculators and other examples of technology in the learning of young children; links between technology and problem-solving, applications of number concepts and the use of computers in language development and the publication of documents.

**Courses:** ED52  
**Credit Points:** 12  
**Contact Hours:** 3 per week

- **EAB332 TECHNOLOGY IN EARLY CHILDHOOD CONTEXTS**  
Students undertake an investigation which incorporates the use of technology with young children. This investigation would be designed, carried out and reported on as in a small scale research project or an independent study.

**Courses:** ED52  
**Credit Points:** 12  
**Contact Hours:** 3 per week

- **EAB333 EARLY CHILDHOOD EDUCATION: COMMUNITY CONTEXT**  
Education and change in a postmodern society; the implications for education of the complex and diverse nature of Australian society; the role of policy making in meeting the educational challenges of the 1990s.

**Courses:** ED53  
**Credit Points:** 12

- **EAB334 EARLY CHILDHOOD FOUNDATIONS A**  
The content of this unit provides the theoretical and applied knowledge basis for the selection and organisation of appropriate learning situations for young children in a range of early childhood contexts and settings.

**Courses:** ED53  
**Credit Points:** 12  
**Contact Hours:** 3 per week

- **EAB335 EARLY CHILDHOOD LANGUAGE & ARTS EDUCATION 1**  
This unit introduces students to the theory, issues and practices involved in planning to foster young linguistic and artistic development in a range of early childhood educational contexts.

**Courses:** ED53  
**Credit Points:** 12  
**Contact Hours:** 3 per week

- **EAB336 EARLY CHILDHOOD FOUNDATIONS B**  
The context of this unit provides the theoretical and applied knowledge basis for the selection and organisation of appropriate learning situations in a range of educational contexts and settings, and for working with parents and other adults in a range of situations.

**Courses:** ED53  
**Credit Points:** 12  
**Contact Hours:** 3 per week

- **EAB337 INTEGRATED EARLY CHILDHOOD CURRICULUM**  
Current practices in Australian early childhood settings, understood within philosophical and historical perspectives; examination of key ideas informing the holistic curriculum approaches of the field; theories and practices associated with play; the celebration of difference with particular attention given to practices which are responsive to the values and needs of Aboriginal and Torres Strait Islanders; personalised teaching and learning; indepth study of the knowledge base of the early childhood teacher practitioner; critical analysis of approaches to designing curriculum for the expanding range of services for young children and families in Australia.

**Courses:** ED52, ED53, ED43  
**Credit Points:** 12  
**Contact Hours:** 2.5 per week

- **EAB338 EARLY CHILDHOOD LANGUAGE & ARTS EDUCATION 2**  
This unit extends students’ understanding of the theory, issues and practices related to curriculum decision making to foster young children’s linguistic and artistic development across a range of early childhood educational contexts.

**Courses:** ED53  
**Credit Points:** 12  
**Contact Hours:** 3 per week

- **EAB340 PROGRAMS FOR INFANTS & TODDLERS**  
Ideas and beliefs which underpin practices and theories in relation to children under three years of age; exploitation of societal attitudes in relation to young children, historically and currently; foundations and functioning of programs for infants and toddlers; examination of Australian and overseas models; government regulations for under three’s programs; changing attitudes and trends in relation to parental involvement in education.

**Courses:** ED53  
**Credit Points:** 12  
**Contact Hours:** 2.5 per week

- **EAB341 EARLY CHILDHOOD FOUNDATIONS 1**  
Biological processes foundational to physical, perceptual and motor development of children from birth to eight years of age; prenatal factors; observational methods and techniques for analysing physical, perceptual and motor development of young children; knowledge of atypical development; provision of care and education for children with special needs; related social justice issues.

**Courses:** ED43, ED52  
**Credit Points:** 12  
**Contact Hours:** 2.5 per week

- **EAB342 EARLY CHILDHOOD FOUNDATIONS 2**  
Processes and features of language and cognitive development of children from birth to eight years; language acquisition and communication; interrelationships between language and thought; the knowledge base and cognitive processes; analysis of observational data to plan for children’s needs, interests and abilities; assisting children with special needs or developmental delay, especially in terms of intellectual abilities.

**Courses:** ED43, ED52  
**Credit Points:** 12  
**Contact Hours:** 2.5 per week

- **EAB343 EARLY CHILDHOOD FOUNDATIONS 3**  
Theoretical and empirical approaches to the study of creativity and self-expression from birth to eight years; children’s recognition and production of emotions; sex differences and contextual influences; development of personal identity; socialisation relationships among the family members, the peer context and the classroom; social and emotional difficulties of children, including aggression and learned helplessness; appropriate interventions for management.

**Courses:** ED43, ED52  
**Credit Points:** 12  
**Contact Hours:** 2.5 per week

- **EAB344 EARLY CHILDHOOD FOUNDATIONS 4**  
Synthesis of individual students’ knowledge from the previous foundation units; development of skills in preparation and conduct of debates and case study reporting; children with special needs; social, personal, and professional issues in the provision of early childhood education and services.

**Courses:** ED52, ED53, ED43  
**Credit Points:** 12  
**Contact Hours:** 2.5 per week

- **EAB345 EARLY CHILDHOOD CURRICULUM: LANGUAGE EDUCATION**  
Pertinent theories and research in language and literacy education for children in EC settings; development of specific teaching and interactive practices for working with children’s
development of literacy, and for teaching reading and writing; planning appropriate learning environments using a wide range of literary and other resources; introduction to English syllabus.

Courses: ED43, ED52
Credit Points: 12
Contact Hours: 4 per week

![EAB346 EARLY CHILDHOOD CURRICULUM: SCIENCE, SOCIETY & THE ENVIRONMENT](null)
Teacher’s knowledge and understanding of science and its influences and applications; broad, multidisciplinary approaches to scientific, social and environmental issues in order to create just and sustainable futures; development of scientific knowledge and related social perspectives in programs for young children; practical activities arising from observations of children’s interest and needs.

Courses: ED43, ED52
Credit Points: 12
Contact Hours: 4 per week

![EAB347 EARLY CHILDHOOD CURRICULUM: EARLY MATHEMATICAL EXPLORATIONS](null)
Theories and understanding of children’s conceptual development; application of active inquiry processes to further concept development in mathematics; foundational concepts in mathematics and the development of appropriate learning and teaching opportunities; use of language in children’s concept of number; role and use of technology in processes for learning and understanding.

Courses: ED43, ED52
Credit Points: 12
Contact Hours: 4 per week

![EAB348 EARLY CHILDHOOD CURRICULUM: ARTS](null)
Introductory principles, practices, philosophies and theories in the visual and performing arts as they relate to young children in various EC contexts; the arts as a way of knowing and expressing; creativity versus artistry; overview of artistic development from birth to adolescence; the arts, culture, education and the young child; elements and concepts in the visual arts, music, drama, movement and dance with specific emphasis on the visual arts; the development of the visual arts for children in EC settings; assisting artistry with children under five years of age and with school-aged children.

Courses: ED43, ED52
Credit Points: 12
Contact Hours: 4 per week

![EAB349 ADVANCED EARLY CHILDHOOD CURRICULUM: ARTS](null)
Application of principles, practices, philosophies and theories in the areas of music, drama, movement and dance, with specific emphasis on how these arts provide unique opportunities for knowing and understanding; assisting children’s development through music, dance and drama in preschool and primary school EC settings; integration of the arts in relation to unique and shared elements and concepts across various domains; advocacy in the arts.

Courses: ED43, ED52
Credit Points: 12
Contact Hours: 4 per week

![EAB350 ADVANCED EARLY CHILDHOOD CURRICULUM: LITERACY & NUMERACY IN THE EARLY YEARS](null)
Observation, assessment and diagnosis of the literacy and numeracy abilities of young children in ECEC settings; planning, implementing and evaluating programs to foster optimal development in literacy and numeracy; addressing literacy and numeracy needs of all children equitably and justly; critical examination of teaching approaches and resources in literacy and numeracy education.

Courses: ED43, ED52
Credit Points: 12
Contact Hours: 4 per week

![EAB351 FAMILY STUDIES & EARLY CHILDHOOD EDUCATION](null)
Current social contexts and issues affecting families with young children, including employment patterns, unemployment, poverty, inequality and social justice, ideology of family, cultural diversity, particularly from the perspectives of Aboriginals and Torres Strait Islanders, and the influence of technology; reciprocal social and family influences.

Courses: ED43, ED52
Credit Points: 12
Contact Hours: 3 per week

![EAB410 EARLY EDUCATION: DECIDING THE CURRICULUM](null)
Examination of the curriculum decision-making processes promoted and in use among teachers working in early childhood settings such as kindergartens, child care and schools. Students have an opportunity to reflect on, and seek to improve, personal ability to decide the curriculum for young learners.

Courses: ED20, ED26
Credit Points: 12
Contact Hours: 3 per week

![EAB411 EARLY EDUCATION: LITERACY](null)
A study of current understandings about the nature of literacy, literacy development in early childhood and the ways in which this development can be fostered both within the home and at a range of educational and care settings. The broad topic areas addressed comprise language foundations, processes and patterns of development, the classroom context and program development. Students are expected to build on their preservice studies in the area of language and literacy development and learning.

Courses: ED26
Credit Points: 12
Contact Hours: 3 per week

![EAB412 INTEGRATIVE EARLY CHILDHOOD CURRICULUM](null)
Examination of key ideas informing holistic curriculum approaches; theories and practices associated with play in the curriculum in all EC settings, and particularly the lower primary school; implications of implementing an inclusive curriculum; issues of equity and social justice reviewed in relation to the transacting the curriculum in EC settings; critical analysis of approaches to designing curriculum for the expanding range of services for young children and families in Australia.

Courses: ED43, ED52
Credit Points: 12
Contact Hours: 4 per week

![EAB413 MANAGEMENT OF EARLY CHILDHOOD SERVICES](null)
General management theory and practice; organisational and leadership styles; management of various EC services; setting policies and planning for services; implementing day-to-day tasks and operations; managing and working with people; collective and collaborative approaches to management; teamwork and decision-making; ethical issues and conduct; advocacy of EC services for young children from all cultural and social contexts.

Courses: ED43, ED52, ED20
Credit Points: 12
Contact Hours: 3 per week

![EAB414 RESEARCH IN EARLY CHILDHOOD DEVELOPMENT & EDUCATION](null)
Research design and methodology; qualitative and quantitative research; ethical issues in the conduct of the research process with young children and the adults involved with them; awareness and understanding of the research process from development of proposal, through conduct of some aspects of data collection and analysis to writing parts of the thesis. Introduction to and involvement in processes of self-evaluation. Students will be involved with a practising researcher who will act as mentor.

Courses: ED43, ED52
Credit Points: 12
Contact Hours: 4 per week

![EAB415 RESOURCE/SUPPORT PROGRAMS IN EARLY CHILDHOOD](null)
Community programs which support children and families outside the mainstream EC settings; visits to programs such as those for Aboriginals and Torres Strait Islanders, as well as for children and families of other cultures; awareness of effects of cultural diversity, geographical isolation, etc.; establishing resource files for teaching and referral; models of par-
Computers and associated software for language, number and problem-solving; technologies and problem-solving; applications and use of computers and associated software for language, number and

**EAB416 EARLY CHILDHOOD ART EDUCATION**

- Historical and contemporary trends in art education; philosophy and practice in early childhood visual arts education; in-depth exploration of young children’s artistic development and learning; assessment and evaluation of visual arts in early childhood; methods of reporting and record-keeping; studio art experiences; curating children’s art exhibitions; public information about children’s artistry; advocacy for improving options for young children in the visual arts.

**Courses:** EAB43, EAB52
**Credit Points:** 12
**Contact Hours:** 4 per week

**EAB417 CREATING CURRICULUM WITH YOUNG CHILDREN**

- Examining the dilemmas arising when teachers negotiate the curriculum with children and parents in shared curriculum creation in child care, preschool, kindergarten and primary school settings; critical analysis of strategies early childhood educators use to create spaces where children construct knowledge in personally relevant ways; consideration of factors which promote children’s involvement in creating the curriculum.

**Courses:** EAB43, EAB52
**Credit Points:** 12
**Contact Hours:** 4 per week

**EAB418 STUDIES IN NARRATIVE FOR YOUNG CHILDREN**

- Critical analysis of central themes and issues relevant to the range and uses of narrative with young children; selection and evaluation of stories and narratives (spoken and in print) for use in a multicultural society; desirable qualities in narrative resources and materials; storytelling and story-reading techniques; narrative as a means of reflecting on human issues for the individual and for society; use of narrative in EC programs generally and for linking curriculum areas.

**Courses:** EAB43, EAB52
**Credit Points:** 12
**Contact Hours:** 4 per week

**EAB419 MUSIC EDUCATION FOR DIVERSE LEARNERS**

- This unit provides advanced exposure to music education and explores ways in which music programs for young children can be established on experiential, self-chosen and guided bases. Students will acquire a understanding of musical concepts and elements to enable them to interact with, and make decisions about, sound and to apply specific teaching strategies and techniques to guide children’s conceptual understanding, knowledge, skills and socio-cultural awareness of music.

**Courses:** EAB43, EAB52
**Credit Points:** 12
**Contact Hours:** 4 per week

**EAB420 CHILDREN, TEACHERS & THE ENVIRONMENT**

- Teachers’ positions in relation to community concerns on socio-environmental issues; socially just and ecologically sustainable programs; environmental education; exploring a range of environmental issues and dilemmas.

**Courses:** EAB43, EAB52
**Credit Points:** 12
**Contact Hours:** 4 per week

**EAB421 EVERYDAY FOOD LEARNING**

- Exploring a food cycle approach to learning: consideration of space, time, resources and teaching strategies; current EC policies and practices affecting the food and health of children from birth to eight years of age; staff health in relation to early childhood program delivery.

**Courses:** EAB43, EAB52
**Credit Points:** 12
**Contact Hours:** 4 per week

**EAB422 TECHNOLOGY & THE YOUNG CHILD**

- Selection, use and critical evaluation of computers and associated software, and related technologies in EC programs, linking technology and problem-solving; applications and use of computers and associated software for language, number and
EAN607 EARLY CHILDHOOD LEADERSHIP & MANAGEMENT IN THE SOCIO-CULTURAL CONTEXT

Administration of early childhood services; leadership styles; managing people; professional issues; selection of personnel; outcomes for children and families; management theory and practice; program administration; financial matters; features of comprehensive programs, planning and communication.

Courses: ED42  Credit Points: 16

EAB508 FIELD PROJECT (CHILDREN 0-12 YEARS)

A significant social, political or curriculum issue affecting the delivery of a child care and education service; teaching file of recorded observations, summaries, relevant centre records, management and teaching strategies, community resources, parent and staff communications, evaluated plans; competence in providing a safe caring learning environment which reflects the cultural and social backgrounds of the children; competence in leadership and responsibility for the total program for a period of time.

Courses: ED42  Credit Points: 16

EAN601 EARLY CHILDHOOD TEACHERS’ KNOWLEDGE IN ACTION

Critical reflection on knowledge in action as teachers work in early childhood programs; history of the development of key ideas influencing early childhood curriculum and teaching; methods for studying teachers at work in different early childhood programs; analysis of research which examines issues related to teaching in early childhood programs.

Courses: ED13, ED11  Credit Points: 12

EAN602 EARLY CHILDHOOD SERVICES & POLICIES

Examination is made of the processes of policy development and sources of influence on policies in the area of early childhood services. Critical analyses are undertaken of selected early childhood policies.

Courses: ED13, ED11  Credit Points: 12

EAN603 DEVELOPMENT IN EARLY CHILDHOOD CONTEXTS

Development of skills for critical evaluation of current developmental issues in early childhood within an ecological framework; knowledge of a broad range of developmental and methodological issues of research in early childhood including infant development, family, educational and care contexts; the processes and patterns of symbolic development in young children; critical discussion of developmental research and the implications of this knowledge for early childhood education.

Courses: ED13, ED11  Credit Points: 12

EAN604 YOUNG CHILDREN, FAMILIES & COMMUNITY

Aspects of family diversity; the interactions between young children, families and the wider social and cultural community; key issues facing families within community contexts; the analysis of transactions involving professionals, young children, families and community.

Courses: ED13, ED11  Credit Points: 12

EAN605 EDUCATION MANAGEMENT PROCESSES & STRATEGIES

The management processes in educational and other professional settings; the identification of various leadership skills and effective communication styles. The understanding and practical application of change are explored. Consulting, advocacy and empowerment strategies are identified in terms of the students’ particular work sites.

Courses: ED13, ED11  Credit Points: 12

EAN606 MANAGING EDUCATION PERSONNEL

Human resource management; staff selection, staff supervision and appraisal, staff development and the importance of developing evaluation and facilitation skills. Strategies for including professional development in a range of educational and professional settings are explored.

Courses: ED13, ED11  Credit Points: 12

EAN607 CONSULTATION & TEAMWORK

Analysis of typical professional consultancy and teamwork contexts within education and early childhood services, including contributions from other disciplines (e.g. medicine, psychology, therapies, social welfare, law) and agencies (e.g. health, community services, police); theoretical and practical understanding of intra- and interpersonal qualities which affect consultancy and teamwork; theory and application of group development processes related to effective task accomplishment. Factors influencing the quality of interdisciplinary and interagency teamwork; strategies for reviewing and improving consultation and teamwork.

Courses: ED13, ED11  Credit Points: 12

EAN608 CONSTRUCTIONS OF CHILDHOOD, CHILD-REARING & EARLY EDUCATION

Critical analysis of the constructions of childhood, child-rearing and early education across the twentieth century and how those constructions are linked to social, political and economic change; frameworks used for analyses will be drawn from ecological and critical approaches to theorising and philosophical perspectives on theory; exploration of the assumptions which students hold with respect to childhood, child-rearing and early education; consideration of how conflicting ideas within early childhood education are reconciled.

Credit Points: 12

EAP411 CREATIVITY & LANGUAGE 1

Developmental processes in the expressive and language arts; principles of learning; the development of personal identity in young children; creative and expressive processes for language and literacy in early childhood programs.

Courses: ED35  Credit Points: 12  Contact Hours: 4 per week

EAP412 THINKING & PROBLEM SOLVING 1

The processes of interest in active learning, inquiry and problem solving; environments and strategies which promote the development of active learning and inquiry by young children; monitoring progress.

Courses: ED35  Credit Points: 12  Contact Hours: 4 per week

EAP413 PROGRAM PLANNING & TEACHING STRATEGIES 1

Development of those areas of knowledge and skills essential to the practical decision-making of early childhood teachers. An off-campus component of this unit includes two practicums, each of twelve days, in two early childhood settings (child care, preschool, kindergarten or early primary).

Courses: ED35  Credit Points: 12  Contact Hours: 3 per week

EAP416 CREATIVITY & LANGUAGE 2

Discipline-based processes; the interrelated and unique contribution of each of the arts; the teacher’s role as a curriculum decision-maker in the development of language and literacy programs.

Courses: ED35  Credit Points: 12  Contact Hours: 4 per week

EAP417 THINKING & PROBLEM SOLVING 2

The child as explorer, problem solver and meaning maker; organising for active learning, inquiry and problem solving; linking home and early childhood educational environments.

Courses: ED35  Credit Points: 12  Contact Hours: 4 per week

EAP418 PROGRAM PLANNING & TEACHING STRATEGIES 2

The development and integration of student teachers’ knowledge, skills and attitudes from the curriculum development and socio-cultural units to assist them in performing and justifying their diverse roles in teaching practice. An off-campus component of this unit includes two practicums each of six-
teen days in two early childhood settings (child care, preschool, kindergarten or early primary).

Courses: ED35
Credit Points: 12
Contact Hours: 3 per week

■ EAP500 EARLY CHILDHOOD LEADERSHIP & ADVOCACY

The foundations of early childhood services in Australia; the principles of leadership, empowerment plus change are considered along with advocacy for the early childhood field.

Courses: ED23, ED61
Credit Points: 12
Contact Hours: 3 per week

■ EAP512 POLICIES & PRACTICES IN EDUCATIONAL MANAGEMENT

Explores the nature of educational policies in Australia; analyses policies to consider social and political influences; addresses educational practices in relation to current policies at various government and organisational levels.

Courses: ED23, ED61
Credit Points: 12
Contact Hours: 3 per week

■ EAP513 EDUCATIONAL SERVICES MANAGEMENT

Focuses on leadership roles by identifying various leadership skills and effective communication styles; development of an understanding and facilitation of change; consulting, advocacy and empowerment strategies are identified.

Courses: ED23, ED61
Credit Points: 12
Contact Hours: 3 per week

■ EAP515 HUMAN RESOURCE MANAGEMENT IN EDUCATION

Staff supervision and appraisal; staff development planning, implementation and evaluation; facilitative skills.

Courses: ED23, ED61
Credit Points: 12
Contact Hours: 3 per week

■ EAP518 MANAGING THE CURRICULUM

This unit helps students understand the elements of curriculum management. The problematic nature of managing curriculum is explored by considering ideological approaches.

Courses: ED23, ED61
Credit Points: 12

■ EAP533 CHANGE IN CHILDREN: BIRTH TO EIGHT YEARS

Techniques for observing and analysing child behaviour; major theories of development and learning; cognitive, social/emotional, physical development and learning in children birth to eight years.

Courses: ED20
Credit Points: 12
Incompatible with: EAP528

■ EAP534 CURRICULUM IN EARLY CHILDHOOD 1

The development of problem solving, explanation, investigation, self-expression, originality, divergent thinking and risk-taking in young children in relation to communication, movement, the expressive arts, mathematics, science, social studies and health curriculum; approaches and suitable materials for these curriculum areas within various early childhood settings; analysis of teaching strategies.

Courses: ED20
Credit Points: 12
Incompatible with: EAP529

■ EAP535 CURRICULUM IN EARLY CHILDHOOD 2

Planning and evaluating early childhood programs for children birth to 8 years; organisation and administration of programs for young children; examination of approaches to teaching; early intervention programs; interdisciplinary teamwork and support services; strategies for working with parents and community agencies; professional behaviour and ethics.

Courses: ED20
Credit Points: 12
Incompatible with: EAP525

■ EAP536 CURRICULUM IN EARLY CHILDHOOD 3

Current approaches to the teaching of literacy and numeracy in the early years; diagnosis and assessment in early literacy and numeracy; the expressive arts and the sciences as modes of learning and teaching in the early years; applications of technology with young children; planning and teaching for individual and group needs.

Courses: ED20
Credit Points: 12
Incompatible with: EAP526

■ EAP537 CONTEXTS OF EARLY CHILDHOOD EDUCATION

Examination of the bases and scope of education in early childhood, the role of psychological theories, curriculum models, policies and programs; case studies of early childhood programs.

Courses: ED20
Credit Points: 12
Incompatible with: EAP530

■ EAP538 RESEARCH IN EARLY CHILDHOOD

Examination of the research literature in development and learning; research techniques in early childhood; and their application; application of research techniques to research proposals; experimental research in one aspect of development and learning of children aged 3 to 8 years; contributions to early childhood research from other fields.

Courses: ED20
Credit Points: 12
Incompatible with: EAP531

■ EAP539 TRANSACTIONS IN EARLY CHILDHOOD EDUCATION

Examination of the implications of social, cultural and geographical factors for early childhood education; consideration of the effects of technology and media, and ethical and legal obligations; analysis of procedures and techniques for case studies; formulating a personal philosophical statement.

Courses: ED20
Credit Points: 12
Incompatible with: EAP532

■ EAP551 DANCE EDUCATION IN EARLY CHILDHOOD

The study of movement and dance in early childhood, the influence of home and culture, the awareness of space, time, energy and body performance in the movement and dance curriculum; the approaches underpinning philosophical and professional practice.

Courses: ED26
Credit Points: 12
Contact Hours: 3 per week

■ EAP552 FROM PLAY TO DRAMA IN EARLY CHILDHOOD EDUCATION

The developmental relationship that exists between children’s play and drama in early childhood, children’s language development through drama; theories/approaches and methods in drama contexts.

Courses: ED26
Credit Points: 12
Contact Hours: 3 per week

■ EAP553 MUSIC IN EARLY CHILDHOOD EDUCATION

Examination of the influence of home, formal learning contexts, society and culture on music education for young children; children’s development and learning through music; musical elements, approaches/methods and learning contexts.

Courses: ED26
Credit Points: 12
Contact Hours: 3 per week

■ EAP554 THE ARTISTIC PROCESS & THE VISUAL ARTS IN EARLY CHILDHOOD EDUCATION

The value of the visual arts for culture, and for children; education versus educated, children’s development and learning through the visual arts; visual arts media and curricula, philosophical and historical underpinnings.

Courses: ED26
Credit Points: 12
Contact Hours: 3 per week

■ EDB336 ABORIGINAL & TORRES STRAIT ISLANDERS, PAST & PRESENT

This introductory unit is designed to give students a basic understanding and awareness of Murri and Torres Strait Is-
lander cultures. Throughout the unit, students will be provided with a holistic approach to learning about the main features of both traditional and contemporary cultures. This knowledge would enhance and assist the individual’s ability to develop effective relationships with the Murri and Torres Strait Islander communities.

**Courses:** ED51

**Credit Points:** 12

**Contact Hours:** 3 per week

### EDB337 ISSUES IN ABORIGINAL & TORRES STRAIT ISLANDER CULTURE

This unit continues to develop students’ knowledge about Murri and Torres Strait Islander people, historically, socially and culturally in relation to these changes and gives them the opportunity to explore and investigate areas of interest.

**Courses:** ED51

**Credit Points:** 12

**Contact Hours:** 3 per week

### EDB338 MURRI & TORRES STRAIT ISLANDER STUDIES: AN INTEGRATED PERSPECTIVE

Intended for students who already have a solid grounding in Aboriginal and Torres Strait Islander history and culture and who have an understanding of the issues that concern Murri and Torres Strait Islander people today. Students have the opportunity to develop a deeper understanding of the complexities of the cultures of these two distinct groups and to examine and evaluate issues of concern relevant to their areas of interest.

**Courses:** ED51

**Credit Points:** 12

**Contact Hours:** 3 per week

### EDB440 INDEPENDENT STUDY

Self-initiated and self-directed academic study in an area of educational interest which allows study either to a depth not possible in electives, or in an area not covered by the course; for requirements see the Independent Study Guide.

**Courses:** ED23, ED26, ED43, ED50, ED51, ED52, ED54, ED37, ED61

**Credit Points:** 12

### EDB442 INTEGRATED PROFESSIONAL SEMINARS

The unit is designed to operate in conjunction with the training provided to educational advisors by the Queensland Department of Education. Students compile a portfolio based on a survey of professional development literature and an inservice activity which they design and implement with classroom teachers. A report is compiled in which students describe their work and reflect on its effectiveness.

**Courses:** ED26, ED61

**Credit Points:** 12

### EDN602 ADVANCED SEMINARS

This unit provides for the special needs and interests of students. Small groups of students interact at an advanced level with specialists or visiting scholars in seminars, conferences and research projects.

**Courses:** ED13, ED11, ED61

**Credit Points:** 12

### EDN603 INDEPENDENT STUDY

This unit allows individual students to follow their own particular interests and/or to take advantage of specialised lecturer expertise through working autonomously on relevant topics of interest under the supervision of individual lecturers.

**Courses:** ED13, ED11, ED61

**Credit Points:** 12

### EDN608 PROJECT

A minor research project that provides students with an opportunity to extend, synthesise and analyse knowledge from core and elective units through, for example, a critical literature review, the development of appropriate educational resources, or a project of change in their workplace.

**Courses:** ED13, ED14

**Credit Points:** 24

### EDN611 UNDERSTANDING EDUCATIONAL RESEARCH

The foundation unit for studying research methods in education. It focuses on reading, understanding and evaluating educational research both within and across different paradigms used in educational research.

**Courses:** ED13, ED11, ED61

**Credit Points:** 12

### EDB375 ISSUES IN ABORIGINAL & TORRES STRAIT ISLANDER CULTURE

This unit continues to develop students’ knowledge about Murri and Torres Strait Islander people, historically, socially and culturally in relation to these changes and gives them the opportunity to explore and investigate areas of interest.

**Courses:** ED51

**Credit Points:** 12

**Contact Hours:** 3 per week

### EDP508 PRACTICUM IN EARLY CHILDHOOD 1

Observation; planning, implementation and evaluation of curriculum for children in early childhood; communication with children, parents and colleagues; the demonstration of organisational and administrative skills in an early childhood setting.

**Courses:** ED20

**Credit Points:** 12

**Prerequisites:** EAP533

**Corequisites:** EAP534, EAP535

**Credit Points:** 6

### EDP509 PRACTICUM IN EARLY CHILDHOOD 2

Observation; design, implementation and evaluation of programs for children in the early childhood age range; communication with children, parents and colleagues; increased responsibility for control and management in the early childhood setting; catering for children in the early childhood age range.

**Courses:** ED20

**Credit Points:** 6

**Prerequisites:** EDP508

### EDP514 FIELD PROJECT

An applied action research project focusing on the development of a management-oriented program; the delivery and evaluation of the program within an existing educational service.

**Courses:** ED23, ED61

**Credit Points:** 12

**Incompatible with:** EDP516

### EDP516 EXTENDED FIELD PROJECT

An applied action research project focusing on the development of a management-oriented program. The delivery and then evaluation of the program within an existing educational service occurs. The Extended Field Project includes a research report with greater breadth and depth than the 12 credit point Field Project.

**Courses:** ED23

**Credit Points:** 24

**Incompatible with:** EDP514

### EDP601 THE REFLECTIVE PRACTITIONER IN HIGHER EDUCATION

Develops critical, reflective and proficient tertiary educators with a commitment to learning as a lifelong process; begins with and builds upon the various experiences which the participants bring with them.

**Courses:** ED61

**Credit Points:** 12

**Contact Hours:** 3 per week

### EDP602 ADULT LEARNING & TEACHING IN HIGHER EDUCATION

The theory and practice of teaching adults; the appropriateness of particular approaches to the needs, interests and learning styles of adult audiences; involves the application of theoretical perspectives to the practice of teaching adults in varied higher education and contexts.

**Courses:** ED61

**Credit Points:** 12

**Contact Hours:** 3 per week
EDP603 HIGHER EDUCATION IN AUSTRALIA: CONTEXT & ISSUES
History of higher education in Australia; current structure and funding of higher education in Australia; major stakeholders and key institutional interfaces; professional associations, TAFE, secondary education, industry, student groups, government.
Courses: EDP61
Credit Points: 12

EDP604 PROGRAM DESIGN & EVALUATION IN HIGHER EDUCATION
Identifies and describes the major theoretical underpinning of educational planning and evaluation; traces the historical shifts within the practice of course design and evaluation; demonstrates skills in evaluation and subsequent planning for course integration; and demonstrates skills in critical analysis of evaluation designs and procedures.
Courses: EDP61
Credit Points: 12

EDR702 1–9 THESIS
Provides students with an opportunity to extend and synthesise knowledge from the coursework section; allows the coursework to be applied in a manner that reflects how it might be used in future work situations; provides a means of extending the skills and understandings gained from formal units to investigate in depth some aspects of the student’s professional practice. Focuses on the extension of acquired knowledge to increase the understanding and competence of skilled professional educators; facilitates the application of innovative research but grows out of the professional coursework. All candidates will proceed through the three required thesis steps. Namely, Step (a) Thesis Preparation; Step (b) Thesis Confirmation of Candidature; and Step (c) Thesis Implementation.
Courses: ED11
Credit Points: Prerequisites: EDR703 24 each

EDR703 INTERDISCIPLINARY EDUCATION STUDIES (ADVANCED SEMINARS)
A reading and seminar program that aims to broaden and deepen the student’s initial perspective to include elements derived from theoretical perspectives drawn from a number of disciplines; seeks to provide a context of learning for educators who seek the personal and professional benefits that the broadening and deepening of their professional knowledge affords.
Courses: ED11
Credit Points: 24

EDR704 1–9 THESIS
Provides students with an opportunity to extend and synthesise knowledge from the coursework section; allows the coursework to be applied in a manner that reflects how it might be used in future work situations; provides a means of extending the skills and understandings gained from formal units to investigate in depth some aspects of the student’s professional practice. Focuses on the extension of acquired knowledge to increase the understanding and competence of skilled professional educators; facilitates the application of innovative research but grows out of the professional coursework. All candidates will proceed through the three required thesis steps. Namely, Step (a) Thesis Preparation; Step (b) Thesis Confirmation of Candidature; and Step (c) Thesis Implementation.
Courses: ED11
Credit Points: 24

EEB101 CIRCUITS & MEASUREMENTS
The concepts of voltage, current and electrical impedance, simple electrical circuits (R, L and C) and the measurement of electrical quantities using the oscilloscope, meters and bridges; AC theory, errors in measurement, traceability of measurement.
Courses: CE42, EE43, EE44, EE45, IF42, IF44, IF53, IF56, ME23, ME36, ME45, ME46, ME47, IF25
Credit Points: 8

EEB209 ELECTRICAL ENGINEERING 2M
This unit aims to provide a basic understanding of electric circuits, power calculation in single-phase and three-phase systems, laws of electrostatics, electromagnetic fields, single-phase transformer, AC and DC machines, basic electronics with some engineering applications.
Courses: IF53, IF56, ME35, ME45, ME46, ME47
Credit Points: 8

EEB210 NETWORK ANALYSIS
This unit develops the use of complex number theory for the solution of electric circuit problems, and introduces the concepts of frequency domain analysis. Topics covered include mesh and nodal analysis, power, the transient response of circuits, computer aided analysis of circuits and Laplace transformation theory including initial conditions, circuit transformation into the frequency domain.
Courses: EE43, EE44, IF44, IF25
Credit Points: 8

EEB270 DIGITAL DESIGN PRINCIPLES
Binary variables, number systems; signed numbers and codes; Boolean algebra; logic functions, minimisation; implementation of combinational logic by gates, PROMs and GALs; binary arithmetic, adders and subtractors, overflow conditions; synchronous and asynchronous sequential logic; flip-flops, counters and shift registers; state diagrams and transition tables, implementation of sequential machines using feedback, flip-flop, PROMs, GALs; TTL, MOS and CMOS logic families.
Courses: EE43, EE44, EE45, IF25, IF44, IF53, IF56
Credit Points: 8

EEB310 NETWORK SYNTHESIS
This unit aims to give students a good understanding of the synthesis of networks and filters. Topics discussed include frequency response and Bode plots, stability and realisability of networks, standard filter approximations, the synthesis of passive networks and filters and the synthesis of active filters using positive and negative feedback and three amplifier biquadratic circuits.
Courses: EE43, EE44, EE45, IF44, IF25
Credit Points: Prerequisites: EEB210, MAB188 Corequisites: MAB485 8 each

EEB350 ELECTRICAL ENERGY CONVERSION 1
Introduction to the principles of magnetic circuits, development of theory of single phase and three phase transformers, special transformers, principles and operation of three phase and single phase induction machines, thermal behaviour of electrical machines, introduction to protection.
Courses: EE44, EE45
Credit Points: Prerequisites: EEB210 8

EEB362 INTRODUCTION TO TELECOMMUNICATIONS
An introduction to the theoretical foundation of communication systems; using the theoretical foundation to develop the operation and characteristics of the basic forms of amplitude and angle modulation; the hardware associated with the generation and detection of the modulation systems.
Courses: EE43, EE44, IF23, EE45, IF44, IF25
Credit Points: Prerequisites: MAB188, EEB210 or EEB271
Corequisites: MAB485 and (EEB310 or EEB303)
Credit Points: 8

EEB375 ELECTRONICS 1
Provides basic understanding of the characteristics and operation of discrete semiconductor components; introduces electronic circuit design with emphasis on the low and high frequency response of those circuits; develops the theory and design of feedback structures in electronic circuits and amplifiers.
Courses: EE43, EE44, EE45, IF25, IF44, ME46
Credit Points: EEB101 8

EEB380 ENGINEERING MANAGEMENT SKILLS
Writing style, preparation of written documents for engineering and management; spoken English. Oral presentation and
speechwriting. Political and technical speeches. Theory of argument and discourse; assertion training, aggressive and passive behaviour. Interpersonal relationships; organisational change and the management of change; professional ethics for engineers and in a wider context; industrial relations; negotiation.

Courses: EEB3, EE44, IF23, EE45, IF44, IF25
Credit Points: 8

**EEB390 ENGINEERING COMPUTING 1**

Students will understand principles and use of C syntax and data structures, program structuring and design, programming style and organisation, and program development in an engineering context. Exposure to Unix in a typical engineering workstation environment will be obtained. Experience will be acquired in programming solutions to important electrical engineering problems and applications, particularly numerical techniques, statistical techniques and circuit/signal techniques.

Courses: EEB3, EE44, EE45
Prerequisites: CSB192 or ITB841
Credit Points: 8

**EEB420 CONTROL SYSTEMS 1**

This is a first course in feedback control for engineers. It introduces the student to basic control theory, analysis and synthesis. Hardware is introduced through sensors and activation system. Mathematical Modelling of Dynamical Systems; Sensors and Actuation Systems; Characteristics and Performance of Feedback Control Systems; Linear System Stability.

Courses: EEB3, EE44, EE45, IF44, IF25
Prerequisites: EEB101
Credit Points: 8

**EEB450 ELECTRICAL ENERGY CONVERSION 2**

Theory, operation, application and testing of synchronous machines as motors and generators. Motor starting, synchronising and parallel operation. The DC machine – motor and generator operation, speed control and testing, losses and efficiency. Single and three-phase rectification. Economics of power generation, power transmission, and plant procurement and operation.

Courses: EE44, EE45
Prerequisites: EEB350
Credit Points: 8

**EEB475 MICROPROCESSOR SYSTEMS**

To give students a good grounding in the basic principles and practical use of embedded microprocessor/microcontroller systems, with particular regard to the hardware and software. Instruction sets, machine and assembly language programming; input/output devices, and timers; Real time clocks and interrupt driven systems; Application of C to the programming of embedded systems.

Courses: EE43, EE44, EE45, IF25, IF44
Prerequisites: EEB270, EEB390 or ITB411
Credit Points: 8

**EEB476 ELECTRONICS 2**

Operational amplifiers; theory and practical applications; comparators; signal conditioning; Instrumentation amplifiers; operational amplifier practical design considerations: noise and EMI; circuit layouts for high frequency applications. Power semiconductor devices. Power amplifiers: classes A, B, AB; alternating current control circuits using SCRs and Triacs; unregulated power supply theory and design; Series voltage regulators; integrated circuit regulators design; switched mode regulators, theory and design.

Courses: EE43, EE44, EE45, IF25, IF44
Prerequisites: EEB375
Credit Points: 8

**EEB530 ENGINEERING ELECTROMAGNETICS**

The aim of this subject is to develop the student’s understanding of the basic theory leading to the development and solution of Maxwell’s Equations. An objective is to develop intuitive as well as theoretical understanding and leave the development of more advanced concepts of the theory until later in the course.

Courses: EE43, EE44, IF44, IF25
Prerequisites: EEB400 or EEB450, MAB486, PHB234
Credit Points: 8

**EEB582 AEROSPACE DESIGN 1**

Study of the environmental factors affecting the design of aerospace equipment particularly in relation to US and Australian standards and specifications. Examination in detail of the operating regime for avionics equipment such as the properties of the atmosphere (temperature, pressure, humidity), design load factors for aeronautical equipment, reliability and duplication requirements.

Courses: EE43
Credit Points: 8

**EEB593 SOFTWARE SYSTEMS ENGINEERING**

Concepts, issues, theory, techniques and practice of software engineering methodologies. Students will gain experience in use of computer assisted software engineering facilities and will undertake a major team software design and construction project for an extensive electrical engineering task. Software design principles; OOP as a paradigm for SW design; program development tools; human-computer interaction.

Courses: EE43, EE44, IF45
Prerequisites: EEB390
Credit Points: 8
EEB624 CONTROL SYSTEMS 2
Courses: EE43, EE44, EE45, IF44, IF25
Prerequisites: EEB420
Credit Points: 8
Contact Hours: 3 per week

EEB632 POWER SYSTEMS 2
Fault analysis (unbalanced faults) on power systems using symmetrical component techniques. Power flows in electrical networks using Gauss-Seidel and Newton-Raphson techniques. Studies of the cause and effects of travelling waves on transmission systems. Computer analysis techniques are used in all areas to reinforce understanding of each topic.
Courses: EE44, EE45, IF25, IF44
Prerequisites: EEB532
Credit Points: 8
Contact Hours: 3 per week

EEB665 TRANSMISSION & PROPAGATION
Transmission line theory, terminated line, Smith Circle Chart usage and lattice diagram; propagation modes in wave guides and optical fibres; free-space propagation, ionospheric and ground wave propagation; basic antenna parameters.
Courses: EE43, EE44, IF23, EE45, IF44, IF25
Prerequisites: EEB530
Credit Points: 8
Contact Hours: 3 per week

EEB667 DIGITAL COMMUNICATIONS
The theory and applications of digital communications technology; baseband digital signals are introduced; pulse shaping, signal regeneration, measurement techniques and the digital coding of analogue signals are treated; such applications as digital radio systems, digital telephone and computer networks, error control in digital networks and ISDN.
Courses: EE43, EE44, EE45, IF23, IF25, IF44
Prerequisites: EEB564 or EEB661
Credit Points: 8
Contact Hours: 3 per week

EEB668 DIGITAL SIGNAL PROCESSING
Introduction to digital signal processing; discrete Fourier transform; discrete convolution; digital filtration and spectral estimation.
Courses: EE43, EE44, IF23, EE45, IF44, IF25
Prerequisites: EEB565, MBA893
Credit Points: 8
Contact Hours: 3 per week

EEB682 ENGINEERING BUSINESS SKILLS
To provide students with sufficient grounding in business practice, for them to appreciate the fundamental links between engineering practice and business. There should be adequate skills for young professional engineers to start or be an active partner in a small business.
Courses: EE43, EE44, EE45, IF24, IF25
Credit Points: 8
Contact Hours: 3 per week

EEB683 AEROSPACE DESIGN 2
Designing for reliability as required by the aviation and aerospace industry will augment practical design assignments; assignments require that design problems be solved analytically and the results confirmed by equipment construction and practical measurement; computer-aided design, computer simulation and programming may be required.
Courses: EE43
Prerequisites: EEB582, EEB210, EEB420
Credit Points: 8
Contact Hours: 3 per week

EEB692 SPACE TECHNOLOGY
Review of world launch capability; spherical trigonometry; orbits and trajectories, e.g. launch orbits, geostationary orbits, G.P.S. satellite orbit requirements; gravitational fields, Lagrange points, orbital dynamics and parameters; special purpose orbits; orbit determination from tracking data; payload techniques; upper atmospheric meteorology and introduction to astronomy.
Courses: EE43
Credit Points: 8
Contact Hours: 3 per week

EEB693 REAL-TIME OPERATING SYSTEMS
Theory and practical aspects of the use of microprocessors and computers as components in time critical engineering applications; methods of guaranteeing computer response within a specifiable time; applications related to embedded systems and some business applications; design of new systems and study of existing systems.
Courses: EE43, EE44, IF23, EE45
Prerequisites: EEB593
Credit Points: 8
Contact Hours: 3 per week

EEB730 RADAR & RADIO NAVIGATION
Radar equation; theory of reception; matched filtering; principles of detection; types of radars; primary and secondary radar; surveillance; tracking; navigation; terrain-following radar; radar techniques including doppler extraction, moving target indicator, pulse compression, ranging parameter optimisation, application of matched filtering and Wiener and Kalman filtering; detailed and systematic study of navigational systems; microwave landing systems.
Courses: EE43
Prerequisites: EEB665, EEB765, EEB668
Credit Points: 8
Contact Hours: 3 per week

EEB731 AEROSPACE LAW
Aviation law, national and international; cargo constraints, restricted airspace, transport of people and animals, dangerous cargoes and firearms; the division of the upper atmosphere and space; insurance.
Courses: EE43
Credit Points: 8
Contact Hours: 3 per week

EEB741 POWER SYSTEMS ANALYSIS
Economic operation of power systems, system stability, power system control; HVDC power transmission; advanced harmonic analysis; surge phenomena in machine and transmission lines.
Courses: EE44, EE45, IF44, IF25
Prerequisites: EEB632
Credit Points: 8
Contact Hours: 3 per week

EEB752 POWER ELECTRONICS
Review of modern switching components, characteristics and device control methods; principles of operation of controlled rectifiers and chopper techniques for DC motor control; quasi-square and PWM invertors for induction and synchronous motor control; static switches for induction motor soft start control and static VAR compensation; induction motor drive and DC motor drive control strategies; harmonic analysis and waveform modelling analysis.
Courses: EE44, EE45, IF44, IF25
Prerequisites: EEB476
Credit Points: 8
Contact Hours: 3 per week

EEB762 COMMUNICATIONS TECHNOLOGY
Introduction to three important communication technology areas. Study of the techniques for system design and performance analysis of mobile and satellite communication systems; study of the fundamentals of optical fibre communication systems.
Courses: EE44, EE43, EE45, IF44, IF25
Prerequisites: EEB564, EEB667
Credit Points: 8
Contact Hours: 3 per week

EEB763 MODERN SIGNAL PROCESSING
Introduction to and overview of some practical applications of signal processing. Review of probability and statistics; stochastic (random) processes; covariance functions; random signals and linear systems; gaussian random processes; examples; matched filters: general properties; results in white noise; correlation processing; Wiener filters; detection and estimation theory; basic components.
Courses: EE43, EE44, EE45, IF25, IF44
Prerequisites: EEB563 or EEB565, MBA893
Credit Points: 8
Contact Hours: 3 per week

EEB765 MICROWAVE & ANTENNA TECHNOLOGY
Propagation in rectangular and circular guides, guide components, microwave active devices, high frequency techniques, antennas, antenna arrays, computer-aided antenna design, antenna measurements.
Courses: EEB43, EE44, EE45, IF44, IF25
Credit Points: 8

■ EEB787 AEROSPACE PROJECT
An individual engineering project on a special subject. The work requires design, constructing, testing and experimental work and practical testing with the submission of appropriate reports; the topic is selected from aerospace engineering and involves electronics, computing, control, communication and electrical power; it may include programming, circuit and system design.
Courses: EEB43
Credit Points: 24
Contact Hours: Average 5 per week

■ EEB788 DESIGN 2
Design principles and practice of more complex electronic circuits, electrical equipment and systems.
Courses: EE44, IF23, EE45, IF44, IF25
Prerequisites: EEB302 or EEB350, EEB587, EEB420 or EEB520
Credit Points: 8

■ EEB791 ADVANCED ENGINEERING COMPUTING 1
An examination of underlying theory and algorithms pertaining to selected advanced computational techniques for selected areas of engineering problems. Practical experience in the use of existing software and in constructing their own implementations of some techniques, for engineering problems, is obtained. Artificial intelligence techniques; optimisation techniques; simulation techniques.
Courses: EE44, EE45, IF44, IF25
Credit Points: 8

■ EEB820 ENGINEERING MANAGEMENT
Economic analysis of electrical engineering projects; present worth and annual cost calculations. Assessment of tenders; project management, critical paths and linear programming methods; contract administration. Engineering case studies.
Courses: EE43, EE44, IF23, EE45, IF44, IF25
Credit Points: 8

■ EEB822 ADVANCED CONTROL SYSTEMS
Courses: EE44, EE43, EE45, IF44, IF25
Prerequisites: EEB624
Credit Points: 8

■ EEB842 POWER SYSTEMS ENGINEERING
Substation engineering, protection of plant, substation earthing, system overvoltages, insulation coordination, HV switchgear.
Courses: EE44, EE45, IF44, IF25
Credit Points: 8

■ EEB869 SIGNAL FILTERING & ESTIMATION
Modern spectral estimation, parametric and non-parametric; time frequency analysis and instantaneous frequency estimation; definition and implementation of higher order spectra; application to signal detection and classification.
Courses: EE44, IF23, EE43, EE45, IF44, IF25
Prerequisites: EEB532
Credit Points: 8

■ EEB871 APPLIED ELECTRONICS
Analysis of the characteristics and applications of a variety of integrated devices; particular attention is given to new products and design processes. Electronic circuit design using simulation studies.
Courses: EE43, EE44, EE45, IF23, IF25, IF44
Prerequisites: EEB476
Credit Points: 8

■ EEB881 PRODUCTION TECHNOLOGY & QUALITY
The methodology of electronic system design, the range of production processes in electronic manufacture, and the quality control procedures at both prototype and full production stages.
Courses: EE43, EE44, IF23, EE45, IF44, IF25
Prerequisites: EEB587, EEB788 or EEB582, EEB683
Credit Points: 8

■ EEB885 DESIGN 3
Detailed design and realisation of typical electronic and power based subsystems used in all areas of electronic systems and power systems engineering.
Courses: EE44, IF23, EE45, IF44, IF25
Prerequisites: EEB788
Credit Points: 8

■ EEB889 PROJECT
An individual engineering project on a specified topic is completed; the work will require design, constructing, testing, experimental work and practical testing with the submission of appropriate reports; the topic is selected from any area which involves electronics, computing, control, communication and educational power and may include programming, circuit and system design.
Courses: EE44, IF23, EE45, IF44
Prerequisites: This unit must be done in the final year of the course
Credit Points: 24

■ EEB891 SIGNAL COMPUTING & REAL-TIME DSP
Signal theory; speech processing; image processing and real time DSP; the fundamentals of signal processing concepts; applications of signal processing techniques.
Courses: EE43, EE44, IF23, EE45, IF44, IF25
Prerequisites: EEB668
Credit Points: 8

■ EEB892 ADVANCED ENGINEERING COMPUTING 2
Selected basic graphic techniques and writing of simple engineering graphics software; application of graphics software libraries and interactive graphics facilities; appreciation of graphical user environments, interface, windows and graphical tools; an understanding of and ability to use 2D/3D/4D data visualisation techniques, and spatial data manipulation.
Courses: EE44, EE43, EE45, IF44, IF25
Prerequisites: EEB593 or ITB424
Credit Points: 8

■ EEB910 PHOTOVOLTAIC ENGINEERING
The various aspects of photovoltaic systems including flat panel and concentrating solar cell arrays, series-parallel connection for optimal array design, array measurements, power conditioning, load management, energy storage, system costs, and balance of subsystems.
Courses: EE43, EE44, IF23, EE45, IF44, IF25
Prerequisites: EEB587
Credit Points: 8

■ EEB923 INDUSTRIAL CONTROL SYSTEMS
Courses: EE45, IF23, IF25, IF44
Prerequisites: EEB420, EEB624
Credit Points: 8

■ EEB936 AUTOMATIC FLIGHT CONTROL
The application of design principles to the Flight Control Systems of modern civil and military aircraft. Derivation of trans-
fer functions for aircraft and missiles including effects of vibration and other perturbations on servo systems along with servo actuators and sensors. Use of conventional and modern control theory to analyse and design and lateral-directional stability augmentation systems and control augmentation systems.

Courses: EEB43
Prerequisites: EEB624, MEB551, MEB553, MEB690
Corequisites: EEB730
Credit Points: 8
Contact Hours: 3 per week

■ EEB937 COMBAT SYSTEMS
Principles and application of lasers to sighting and guidance systems; infra-red propagation and its use in detection and weapons guidance; including ECM/ECM; sonar processing; laser processing and guidance; radar guidance/sighting; gun sights; weapons control systems; IFF/transponders; command and control; magnetic anomaly detection; tactical navigation systems; infra-red.

Courses: EEB43
Credit Points: 8
Contact Hours: 3 per week

■ EEB938 ADVANCED COMMUNICATIONS & NAVIGATION
Expansion of previous theory; develop an increased understanding of systems previously described; complex algebra required for error-correcting codes and auto-correlation and cross-correlation of pseudo-noise sequences; investigation and simulation of error-correcting communication systems; detailed investigation into modern communication systems; theory of acquisition and tracking. Global Positioning System (GPS).

Courses: EEB43
Prerequisites: EEB362, EEB665, EEB765, EEB668
Credit Points: 8
Contact Hours: 3 per week

■ EEB939 ADVANCED SATELLITE SYSTEMS
Design of communication systems for spacecraft; spacecraft and ground stations performance; special modulation methods; coherent frequency translation modes of operation; analysis of intermodulation distortion; carrier regeneration or synchronisation and acquisition and tracking requirements; analogue and digital processing of signals in the presence of noise. Characterisation of spacecraft components and a critical evaluation of alternative design methods.

Courses: EEB43
Prerequisites: MEB690
Credit Points: 8
Contact Hours: 3 per week

■ EEB957 HIGH VOLTAGE EQUIPMENT
Review of modern insulating materials; high voltage test methods and application characteristics of electrical insulation theories of breakdown in dielectrics; non-destructive testing methods, dielectric loss angle, partial discharge; voltage surge distribution in power equipment; overhead line insulation and lightning.

Courses: EE44, IF23, EE45, IF44, IF25
Corequisites: EEB742 or EEB842
Credit Points: 8
Contact Hours: 3 per week

■ EEB958 ELECTRICAL ENERGY UTILISATION
Power reticulation in building, energy management, fire protection systems, illumination technology, air conditioning plant, building supervising and control systems, lifts.

Courses: EE44, IF23, EE45, IF44, IF25
Prerequisites: EEB400 or EEB450
Credit Points: 8
Contact Hours: 3 per week

■ EEB959 POWER ELECTRONICS APPLICATIONS
Review of power electronic switching devices; variable speed AC and DC drives; high voltage DC transmission (HVDC); standard static VAR compensators and new developments. Uninterruptible power supplies (UPS); induction heating; high frequency switching technology in variable speed AC drives; power electronic physical layout considerations.

Courses: EE44, IF23, EE45, IF44, IF25
Prerequisites: EEB652 or EEB752
Credit Points: 8
Contact Hours: 3 per week

■ EEB963 STATISTICAL COMMUNICATIONS
PCM quantisation noise in uniform and non-uniform quantisation; effects of channel noise on S/N; delta and delta-sigma modulations; threshold extensions, spread spectrum, matched filtering and correlation.

Courses: EE43, EE44, IF23, EE45, IF44, IF25
Prerequisites: EEB564 or EEB661, EEB668 or EEB968
Credit Points: 8
Contact Hours: 3 per week

■ EEB965 MICROWAVE SYSTEMS ENGINEERING
Microwave thermionic and semiconductor devices, amplifier design using scattering parameters; passive microwave devices: non-linear networks and ferrites; array theory and design, microwave antennae.

Courses: EE43, EE44, IF23, EE45, IF44, IF25
Prerequisites: EEB665 or EEB562
Credit Points: 8
Contact Hours: 3 per week

■ EEB974 VLSI CIRCUITS & SYSTEMS
Design of digital integrated circuits at mask level, symbolic level, transistor level and module level; IC planar fabrication process; Implementation technologies including FPGAs, Gate Arrays, Standard Cells and full-custom ICs; CAD tools for specification, layout verification and testing; memory circuits and systems.

Courses: EE44, EE45, IF23, IF44, EE43, IF25
Prerequisites: EEB474 or EEB475
Credit Points: 8
Contact Hours: 3 per week

■ EEB975 ELECTROMAGNETIC COMPATIBILITY
EMC definition, standards and regulations; EMC test plan; measurements of conducted and radiated emissions, susceptibility, and evaluation of results; conducted and radiated interference coupling mechanisms – source characteristics and coupling path; susceptibility – radiated field, transients, ESD, supply voltage fluctuations; EMC design techniques – space (techniques – circuit), circuit design, component selection, circuit layouts, grounding, shielding, filters, suppressors, isolation and safety; EMC management.

Courses: EE43, EE44, EE45, IF25
Prerequisites: EEB362 and EEB562 or EEB665
Credit Points: 8
Contact Hours: 3 per week

■ EEB990 ADVANCED INFORMATION TECHNOLOGY TOPICS
Supercomputer principles, architectures, characteristics, performance measures. Hardware components for supercomputers; parallel programming environments, automatic code parallelization techniques; parallel algorithm design and development approaches; parallel computer system process scheduling strategies and load balancing; numerical applications; computer graphics applications; case study.

Courses: EE43, EE44, EE45, IF25, IF44
Prerequisites: EEB593 or ITB424
Credit Points: 8
Contact Hours: 3 per week

■ EEB999 ADVANCED ELECTRICAL ENGINEERING TOPICS
Students are introduced to the current technology that is the expertise of visiting specialists or staff within the School.

Courses: EE43, EE44, IF45, IF44, IF25
Prerequisites: As required
Credit Points: 8
Contact Hours: 3 per week

■ EEP101 ALGORITHMS FOR CONTROL & ENGINEERING
Solution of equations using numerical analysis methods and computer algorithms; differential and difference equations, numerical approximations and computational flow diagrams. Computer control of closed-loop systems, continuous and discrete systems, system hardware, sampled data systems design techniques, system simulation; state-space theory, and system performance optimisation; state equation, transformations, state equation solution, closed-loop system pole-placement design, performance criteria, dynamic optimisation methods; spectral analysis and digital filtering; discrete time adaptive filters; an introduction to neural networks and to fuzzy logic.
Courses: CE74, EE65, EE76
Credit Points: 12
Contact Hours: 3 per week

EEP102 UNIX & C FOR ENGINEERS
Introduction to Operating Systems; commonly used commands, the file structure, the Shell, the vi Editor, Shell script; Types, operators and expressions, control flow, functions, pointers and arrays, structures, input and output. Applications of C and Unix in real time signal processing and control.
Courses: CE74, EE65, EE76
Credit Points: 12
Contact Hours: 3 per week

EEP103 COMPUTER HARDWARE & INTERFACING
State-of-the-art digital devices; design and implementation of digital systems; microprocessors and microcontroller systems and interfacing; computer architectures, subsystems and peripherals.
Courses: EE65, EE76
Credit Points: 12
Contact Hours: 3 per week

EEP104 REAL-TIME OPERATING SYSTEMS
Definition and introduction: review of current commercial real time operating systems, including QNX and UNIX-like operating systems. Structure: management; input/output management; file management; resource allocation and scheduling; protection; job control and multitasking. Development of programming skills: structured programming techniques, modular programming techniques; documentation of programs; interrupt handling techniques. Using assembler and high-level languages.
Courses: CE74, EE65, EE76
Credit Points: 12
Contact Hours: 3 per week

EEP120 NETWORKS & DISTRIBUTED COMPUTING
The Open System Interconnection model and the more common standards which support the model; layers 3-7 covered in depth, layers 1 and 2 covered by reference; computers, software packages; network topologies, software techniques, data transfer protocols; examples of local and wide area networks; hardware implementation of OSI layers and protocols; Modern High Performance Networking protocols such as FDDI and ATM, treated as extensions of the OSI model.
Courses: CE74, EE65, EE76
Credit Points: 12
Contact Hours: 3 per week

EEP123 PROCESS CONTROL & ROBOTICS
Introduction to robotics; introduction to CNC machine tools; process control; controller tuning, plant characterisation and process optimisation; computer simulation and algorithms.
Courses: EE65, EE76
Credit Points: 12
Contact Hours: 3 per week

EEP124 DATA COMMUNICATIONS
The OSI Model – overview; examples of channels; physical layer interface standards; multiple access methods; modems; data coding error detection and correction; data compression and encryption; public networks, and other specialised topics.
Courses: CE74, EE65, EE76
Credit Points: 12
Contact Hours: 3 per week

EEP125 ADVANCED ENGINEERING SOFTWARE TOOLS
Numerical techniques and computer software tools in procedural and non-procedural languages as well as specialised commercial applications packages for the analysis and design of data transmission systems. Techniques and applications of interest to students may be included in small research projects with guidance.
Courses: EE65, EE76
Credit Points: 12
Contact Hours: 3 per week

EEP126 COMMUNICATIONS DIGITAL SIGNAL PROCESSING
Source and channel coding: waveform coding; adaptive filtering in communication; applications of speech technology in communication; applications of DSP technology; real time DSP devices and their applications in communications.
Courses: CE74, EE76
Credit Points: 12
Contact Hours: 3 per week

EEP127 ADVANCED TOPIC B
An advanced topic in the field of computers and communication engineering. This topic will change from year to year and is announced at the beginning of the semester.
Courses: CE74, EE76
Credit Points: 12
Contact Hours: 3 per week

EEP128 DETECTION & ESTIMATION
Introduction to the theory of random variables and probability; signal detection; hypothesis tests, Neyman-Pearson detectors; uniformly most powerful tests for Gaussian case. Examples of detection of: an unknown deterministic signal in Gaussian noise of known probability distribution; Matched-Filter interpretation; a Gaussian signal of known distribution in Gaussian noise of known distribution. Detection in the non-Gaussian case. Parameter estimation: the Maximum Likelihood Estimator.
Courses: CE74, EE76
Credit Points: 12
Contact Hours: 3 per week

EEP129 IMAGE PROCESSING & COMPUTER VISION
Image representation and modelling; image enhancement; image restoration; image representation by stochastic models, boundary detection techniques and algorithms; image segmentation; shape description techniques; neighbourhood operators; mathematical morphology. Other specialised topics may be included as small research projects.
Courses: CE74, EE65, EE76
Credit Points: 12
Contact Hours: 3 per week

EEP135 ADVANCED DIGITAL SIGNAL PROCESSING
General properties of stationary processes; basic spectral properties of the processes; practical aspects of digital spectral estimation; identification of linear systems; digital higher-order spectral estimation; identification of non-linear systems; an update in the advances in digital signal processing.
Courses: CE74, EE76
Credit Points: 12
Contact Hours: 3 per week

EEP137 ADVANCED TOPIC A
An advanced topic in the field of computers and communication engineering. This topic will change from year to year and is announced at the beginning of the semester.
Courses: CE74, EE76
Credit Points: 12
Contact Hours: 3 per week

EEP201 FUNDAMENTALS OF POWER SYSTEM EARTHING
Electrode resistance, potential gradient areas of common types of electrodes; multiple electrodes; stratified grounds; electric shock, calculation of step and touch potentials; introduction to substation earthing: ground potential rise, connection of services, grid and mesh potentials; measurement of soil resistivity and electrode resistance; earthing of transmission lines: tower foot resistance, current division between ground and aerial earth wires, division of earth currents at substations; earth current distribution on faulted lines; distribution systems: MEN, SWER, safety during faults; flow of lightning currents to ground.
Courses: EE82, EE60, EE78
Credit Points: 4
Contact Hours: 3 per week

EEP202 THERMAL RATINGS & HEAT TRANSFER
Thermal conduction in simple geometries; forced and natural convection from plates and cylinders – common heat transfer correlations; radiation from hot surfaces - view factors; calculation of steady-state and time-varying temperatures in conductors; temperature measurement methods for high voltage equipment; thermal ratings of overhead lines – steady-state, cyclic and short-time ratings; cable rating – temperature rise due to step current, cyclic and emergency loads; temperature
rise of power transformers – cooling methods, emergency overloads.

**Courses:** EE82, EE60, EE78  
**Credit Points:** 4  
**Contact Hours:** 3 per week

**EEP203 TESTING & CONDITION MONITORING**


**Courses:** EE82, EE60, EE78  
**Credit Points:** 4  
**Contact Hours:** 3 per week

**EEP204 POWER SYSTEM LOAD FLOW ANALYSIS**

p.u. revision; Data collection methods; load flow algorithms: convergence criteria, multiple solutions, starting values, ordering and sparsity of matrices; single and three-phase models: transformers, tap changers, overhead transmission lines, underground cables, capacitors and filters, controlled reactive devices, generators and motors, load representation. Load flow applications: base case and contingency analysis in planning augmentation options, system operations contingency analysis; Load flow analysis methodology – use of load forecasts, establishment of ‘base case’; Practice in analysis of transmission and distribution systems using an interactive package.

**Courses:** EE82, EE60, EE78  
**Credit Points:** 4  
**Contact Hours:** 3 per week

**EEP205 POWER SYSTEM FAULT CALCULATIONS**

Representation of generators, lines, transformers in positive sequence equivalent circuits; balanced fault analysis; selection of source voltages from pre-fault conditions; unbalanced fault conditions; complete sequence representation of power system equipment: transformers, cables and lines (including mutual coupling of parallel lines); per unit positive, negative and zero sequence network diagrams; calculation of generator and transformer sequence equivalent circuits from manufacturer’s test data; calculation of line sequence impedances from line layout and soil resistivity – inclusion of tower foot resistances in zero sequence models; residual currents in untransposed lines; interference with telecommunications circuits; short circuit calculations to AS3581 using an interactive computer package.

**Courses:** EE82, EE60, EE78  
**Credit Points:** 4  
**Contact Hours:** 3 per week

**EEP206 PROJECT MANAGEMENT**

Principles of project management and the operation of project management packages. Emphasis on the practical application of PC packages based on exercises related to the electricity supply industry and aimed at promoting the increased use of such packages by engineering and technical staff in the normal course of their work. Details include activity networks, Gantt charts, time schedules, analysis of critical path, types of resources, resource profiles, resource scheduling, project monitoring and reporting.

**Courses:** EE82, EE60, EE78  
**Credit Points:** 4  
**Contact Hours:** 3 per week

**EEP207 OVERHEAD LINE ROUTE SELECTION – ENVIRONMENTAL FACTORS**


**Courses:** EE82, EE60, EE78  
**Credit Points:** 4  
**Contact Hours:** 3 per week

**EEP208 ECONOMIC ANALYSIS FOR POWER SYSTEM ENGINEERS**

Principles of economic analysis for a tax paying entity. Various evaluation techniques are addressed including both discounted and non discounted techniques. The net present value approach is settled on as being the most appropriate approach. Issues such as the effect of interest and inflation on nominal cash flows are addressed. Cost benefit analysis for engineering decision making: econometric models for ESI, maintenance, refurbishment and replacement. Budgeting and cost control, budget preparation with spreadsheets, cash flows, monitoring expenditure and budget review, profit and loss and balance sheets. Risk analysis including WACC calculations, stochastic simulation and sensitivity.

**Courses:** EE82, EE60, EE78  
**Credit Points:** 4  
**Contact Hours:** 3 per week

**EEP209 POWER SYSTEM HARMONICS**

Generation of harmonics: converters, arc furnaces, SVC, inverters, electronic control; system response characteristics: resonance conditions, effect of load, typical system responses; effects of harmonics: motors, generators, power cables, capacitor, electronic equipment, metering, relaying, telephone interference; reactive power compensation and harmonic control: converter power factor, reactive power compensation, control of harmonic currents; measurement of harmonics; recommended practices including AS2279.

**Courses:** EE82, EE60, EE78  
**Prerequisites:** EEP205  
**Credit Points:** 4  
**Contact Hours:** 3 per week

**EEP210 ABNORMAL SYSTEM VOLTAGES**

Supply quality standards: review of criteria, statutory requirements, emergency and short term limits; 50 Hz voltage: cause of voltage deviations, voltages during faults, motor starting; negative phase sequence voltages: AS1359 requirements, voltage unbalance studies, modelling, measurement; voltage transients and flicker: AS2279 requirements, disturbing loads, remedial measures, transient disturbances and power system plant; Power system transient analysis: ATP and other packages.

**Courses:** EE82, EE60, EE78  
**Prerequisites:** EEP205  
**Credit Points:** 4  
**Contact Hours:** 3 per week

**EEP211 BASIC POWER SYSTEM PROTECTION**


**Courses:** EE82, EE60, EE78  
**Prerequisites:** EEP205  
**Credit Points:** 4  
**Contact Hours:** 3 per week

**EEP212 ADVANCED POWER SYSTEM PROTECTION**

Specification of current transformer (CT) to cope with fault currents that include an exponentially decaying transient DC component. Voltage transformer (VT) transient performance. Design and implementation of distance relay protection schemes. Specification and understanding of protection signalling schemes. Principles associated with feeder current differential protection. Advanced principles and setting of high impedance protection. Principles of protection of large generators together with the determination of selected generator...
protection relay settings. Protection of large motors together with the determination of motor protection relay settings. Principles associated with protection of high voltage capacitor banks together with the determination of capacitor bank protection relay settings. Overall principles of protection design and modern developments and trends with the application of protection to power systems.

Courses: EE82, EE60, EE78
Credit Points: 3
Prerequisites: EEP211
Contact Hours: 3 per week

EEP213 STATISTICS
The role of statistics in electricity supply engineering. Strategies for collecting and recording valid data from which statistical inferences can be made; use of operational and inventory data. Graphical and numerical techniques to summarise data using statistical or spreadsheet packages. Review of probability concepts, random variables, probability distributions. Specific distributions used in system and component reliability studies.

Courses: EE82, EE60, EE78
Credit Points: 4
Contact Hours: 3 per week

EEP214 RISK ASSESSMENT IN THE ELECTRICITY SUPPLY INDUSTRY
Identification of hazards: failure modes and effects analysis, failure modes effects and criticality analysis – outcomes from possible failure modes; Hazard and operability studies; Assessment of frequency – fault tree analysis, event tree analysis; Assessment of consequences: consequence analysis, criticality assessment in terms of chance of failure and consequences, incident scenario, damage criteria, damage identification; legal and economic consequences; case studies including identification of hazards, assessment of risks, and consequences in ESI. Loss of load models in generation.

Courses: EE82, EE60, EE78
Prerequisites: EEP215
Credit Points: 4
Contact Hours: 3 per week

EEP215 RELIABILITY

Courses: EE82, EE60, EE78
Prerequisites: EEP213
Credit Points: 4
Contact Hours: 3 per week

EEP216 OVERHEAD LINE DESIGN – ELECTRICAL
Electrical design of transmission lines with ratings of 33kV to 500kV; economic conductor size; characteristics of conductors, insulated and new technology insulators; power frequency, impulse and switching flashover voltage, pollution and creepage, wet and dry flashover, mechanical characteristics; feasible structure types; tower footing resistance and counterpoise; Insulation coordination methodology: determination of overvoltage withstand, design for required outage; determination of RI using state of the art methods; design to ensure that electrostatic and electromagnetic fields do not exceed NH & MRC guidelines.

Courses: EE82, EE60, EE78
Prerequisites: EEP201, EEP203, EEP205, EEP207, EEP210
Credit Points: 4
Contact Hours: 3 per week

EEP217 OVERHEAD LINE DESIGN – MECHANICAL

Courses: EE82, EE60, EE78
Prerequisites: EEP208, EEP216
Credit Points: 4
Contact Hours: 3 per week

EEP218 INTRODUCTION TO AUTOMATED SYSTEM CONTROL & SUPERVISORY SYSTEMS
SCADA fundamentals and protocols; SCADA equipment: master station, remote terminal units; transmission SCADA systems, distribution automation systems, distribution control systems, PC software applications; alarm philosophy and control principles: definition of system displays, data logging, database point processing and attributes, master station configuration; specification of MMI: identification of system functional requirements; computer system platforms: computer technology fundamentals, computer hardware – processors, peripherals, display, user interfaces; communication system principles, communications bearers fundamentals, data networks and protocols; data communications and I/O capacities and types, I/O processing; application of SCADA systems to transmission and distribution systems; cost/benefits of alternative schemes.

Courses: EE82, EE60, EE78
Credit Points: 4
Contact Hours: 3 per week

EEP219 HIGH VOLTAGE SUBSTATION EQUIPMENT: POWER TRANSFORMERS & REACTIVE POWER PLANT
Principles of power transformer design from distribution transformers to EHV transformers: ratings, windings, core structure and materials, insulation and cooling methods, insulation and lifetime: leakage and magnetic resonance; losses, harmonics and inrush currents; short circuit forces; tests to measure: ratio, losses, impedance, phasing, temperature rise, accuracy and traceability of tests, interpretation of test reports; surge phenomena in windings, RSG and impulse testing of power transformers, interpretation of test results; oil cooling systems; fire protection; tap changers and associated controls; analysis of transformer failure modes; In-phase and quad-boost regulators; series and shunt reactors; reactors for harmonic filters; SVCs: design considerations, equipment characteristics and equipment characteristics.

Courses: EE82, EE60, EE78
Prerequisites: EEP203
Credit Points: 4
Contact Hours: 3 per week

EEP220 DISTRIBUTION PLANNING
Identify data and techniques used in load forecasting. Examine typical distribution network problems and identify performance limitations based on standards. Relate network problems to different configurations and the effects on customers. Study network reinforcement options on a simulation package. Options include regulators, series and shunt capacitors and reconductoring. Consider the above options to address a realistic network problem assessing line losses and voltage results. Analyse network reliability and assess the impact of tyes, switches and various network configurations. Compare alternatives based on economic and technical considerations. Prepare a logical case which recommends one option in the form of a report.

Courses: EE82, EE60, EE78
Prerequisites: EEP208, EEP211, EEP219
Credit Points: 4
Contact Hours: 3 per week

EEP221 LIMITS TO POWER SYSTEM STABILITY
Time domain models and characteristics of synchronous machines; induction generator models; assessment of model bandwidth for use in dynamic studies; excitation system models; turbine governor models, boiler models, hydraulic system models; characteristics of load plant; evaluation of small sig-
nal adequacy by eigenvalue analysis; determination of modes of electromechanical and control systems; identification of modes with insufficient damping, eigenvalue participating states and eigenvectors; establishment of transfer evaluation of gains/ phases at identified model frequencies; time domain dynamic simulations of power system operation; numerical models for prediction of large disturbance behaviour of interconnected power systems; stability of system under contingency and emergency conditions; stability improvement using: controlled reactive devices, special control systems, braking resistors, U/F load shedding, FACTS.

Courses: EE82, EE60, EE78
Prerequisites: EEP205
Credit Points: 4
Contact Hours: 3 per week

EEP222 MAINTENANCE OF ELECTRICITY SUPPLY SYSTEMS

Establishment of maintenance policies: review of failure rates, emergency spares, identification of maintenance liabilities, identification of critical success factors to minimise life cycle costs, approval and dissemination of policy, policy review; maintenance planning: identification of constraints, review of existing maintenance programs, establishment of plans for periodic actions, documentation of procedures, design of reporting procedures; data recording and analysis: registers of defects, design of data collection and reporting systems, preparation of control charts, computer data systems, data base development; maintenance operations: identification of refurbishment needs, resource evaluations, design of work procedures, impact of Acts and regulations, identification of staff training needs, supervision, auditing of work practices; maintenance program evaluation: assessment against KPI, modification of programs to account for continuing defects and failures or to reflect changing technologies.

Courses: EE82, EE60, EE78
Prerequisites: EEP214, EEP215
Credit Points: 4
Contact Hours: 3 per week

EEP223 LOAD FORECASTING


Courses: EE82, EE60, EE78
Prerequisites: EEP213
Credit Points: 4
Contact Hours: 3 per week

EEP224 POWER SYSTEM OPERATION

Frequency control and AGC under normal load conditions, operation under emergency and contingency conditions, black starting, load shedding philosophy; generation operation; contract fuel prices, variations, automatic generation control systems; analysis of power station operating costs; establishment of optimum operating costs; management of forced outages; management of resources to restore system to normal in minimum time, abnormality control to prevent plant damage and maintain personnel safety, logging and reporting of forced outages; coordination of planned outages including assessment of risks and contingency planning; control of reactive power and voltage levels under normal and abnormal conditions; load reduction – instantaneous, delayed and planned; maintenance of consumer services and records.

Courses: EE82, EE60, EE78
Prerequisites: EEP202, EEP212, EEP214, EEP221, EEP223
Credit Points: 4
Contact Hours: 3 per week

EEP230 THESIS A

Students work in industry for 100 days of supervised practice. As part of this practical training, one or more linked topics are identified that are related to the work of the section in which the training is carried out. A Masters thesis is prepared describing results of studies done by the student during the practical training. It is expected that the thesis will demonstrate that students have a deep background knowledge of the topic, can apply advanced skills to formulation and solution of engineering problems, and have an understanding of the relationship of the work to the overall objectives of the workgroup. The thesis will be examined by internal and external examiners appointed by the University.

Courses: EE78
Credit Points: 12
Contact Hours: 3 per week

EEP231 THESIS B

Work done in this unit and the related unit EEP230 is examined by submission of a single Masters thesis.

Courses: EE78
Credit Points: 12
Contact Hours: 3 per week

EEP240 ORGANISATION & FINANCIAL MANAGEMENT OF THE ESI

Financial reporting, including profit and loss and balance sheet; interpretation of financial data and commercial practices with respect to various line items in financial reports; key performance indicators, the derivation, interpretation and pitfalls; financing arrangements; taxation issues that affect the industry including income tax, repairs, tax effect of depreciation and capital gains tax; various asset management issues including inventory and fixed assets; cost volume profit analysis including breakeven, contribution margin and EBIT.

Courses: EE82, EE60, EE78
Credit Points: 4
Contact Hours: 3 per week

EEP242 EFFICIENT MARKETING & UTILISATION OF ELECTRICITY: DEMAND & SUPPLY SIDE SOLUTIONS

Assessment of future DSM options: state, national and international DSM programs assessed; local opportunities examined; impact of new and evolving technology; compare options and select for cost effectiveness, load impact and community acceptance; determination of avoidable costs: assessment of marginal cost of supply and identification of unavoidable and avoidable costs; survey of customer needs and wants: conducting market research; application of existing tariffs or development of new tariffs; planning and estimating market potential for DSM: comparison of options to develop the optimum plan to meet customer needs and supply authority requirements; economic comparison of DSM and SSM options for a specific project including combined options; design and implement DSM program: targets, resources, in-house or contract; monitoring program performance: assessment of DSM on local and system load forecasts.

Courses: EE82, EE60, EE78
Prerequisites: EEP208, EEP223
Credit Points: 4
Contact Hours: 3 per week

EEP243 CONTRACT ADMINISTRATION

Categories of contracts: supply; supply, deliver and erect; performance guaranteed; services, e.g. maintenance; period for supply of stock items or services; general conditions of contract: terms of payment and security deposit; quality assurance procedures; retention conditions; special conditions of contract: delivery and penalties for delay; technical provisions; penalty/bonus for such factors as efficiency, performance, maintenance and reliability; pre-tender acceptance negotiation practice; evaluation of tenders: tender adjustments; determination of the lowest comparatively priced offer on a tota1 capitalised cost basis which conforms with the specified technical and commercial requirements; tender acceptance; contract correspondence; drawings – standards, amendment; contract law, dispute resolving procedures; contract progress monitoring: approval of drawings and documents; approval of delivery, erection, site testing. Acceptance, takeover, maintenance period, retention provisions.

Courses: EE82, EE60, EE78
Prerequisites: EEP208
Credit Points: 4
Contact Hours: 3 per week
■ EEP244 CIRCUIT BREAKERS – SWITCHGEAR
Basic switching theory for the main circuit breaker types: SF6, Vacuum, GIS, minimum oil, airbreak (11kV), bulk oil; character-
istics and applications for these types at various voltage levels; circuit-breaking principles: interruption of load current,
small inductive current, short-line faults and out-of-phase
switching; TRV and ITRV concepts; direct and synthetic test-
ing; technical specifications of circuit breakers: operating
voltage; impulse withstand; rated current; interrupting capac-
ity; switching duties; operating mechanisms – single or 3 pole;
clearing time; environment; selection of circuit breakers: analy-
sis of tenders on a whole of life basis; circuit breaker failures:
failure modes for different types; catastrophic failures; cat-
egory of failure – design, operating or maintenance cause;
reliability; circuit breaker testing and condition monitoring;
circuit breaker maintenance and refurbishment; emerging cir-
cuit breaker technology.
Courses: EEP82, EE60, EE78
Prerequisites: EEP210
Credit Points: 4
Contact Hours: 3 per week

■ EEP245 INTRODUCTION TO SUBSTATION
DESIGN
Preparation of design/site options: standard layouts (outdoor,
indoor, GIS, package, single bus, 1.5 CB, etc.) – cost, site,
reliability lead time and communication factors; estimating
procedures; comparison of design/site options; whole of life
cost comparison including capital and operatic costs; envi-
ronmental and public issues; identification of design param-
eters: voltages, ratings, protection, metering, SCADA, com-
munication, operational – preparation of one-line diagram and
general arrangement; design scope; review with other parties.
Courses: EEP82, EE60, EE78
Prerequisites: EEP202, EEP219, EEP244
Credit Points: 4
Contact Hours: 3 per week

■ EEP247 INTRODUCTION TO PLANT CONTROL
IN INDUSTRY & POWER GENERATION
Using power station control systems as an example: power
station control practices and principles outlined; control system
scope specification in which required functions are identified,
staffing options established and planning stage costs evalu-
ated; preparation of project control plan – system scope de-
defined, equipment and interfaces required and functional re-
quirements identified; establishment of plant monitoring, con-
trol and performance parameters – plant process, characteris-
tics and functions; plant location and environment; field equip-
ment specification; matching available equipment to meet re-
quirements; specification issue and tender analysis; prepara-
tion of plant input/output database; design of user/machine
interface; system integration, testing and commissioning; post-
commissioning tuning.
Courses: EEP82, EE60, EE78
Credit Points: 4
Contact Hours: 3 per week

■ EEP301 PROJECT
Students carry out research or development work on a mini-
project in specified areas.
Courses: CE74, EE76
Credit Points: 12
Contact Hours: 3 per week

■ EEP302 RESEARCH COMPONENT 1
Research component of EEP101, EEP102, EEP104, EEP124,
EEP127, EEP137.
Courses: CE74, EE76
Credit Points: 12
Contact Hours: 3 per week

■ EEP303 RESEARCH COMPONENT 2
Research component of EEP126, EEP127, EEP128, EEP135,
EEP137 and maths elective.
Courses: CE74, EE76
Credit Points: 12
Contact Hours: 3 per week

■ EFB001 BUILDING FINANCIAL MANAGEMENT 1
Commercial property financial management; the nature of
accounts; capital structures, equity, liabilities and asset man-
gement; the role of taxation in financial decision-making;
ownership; budgeting.

Courses: CN31, CN33
Credit Points: 8
Contact Hours: 2 per week
Incompatible with: FNB101

■ EFB002 FINANCIAL MANAGEMENT FOR
ENGINEERS
Introduction to the theory and practice of financial manage-
ment in Australia; the nature of business finance and firm ob-
jectives; business structures, debt and the organisation of the
Australian capital markets; NPV calculations; project evalua-
tion.
Courses: EE43, ME45, ME46
Credit Points: 8
Contact Hours: 2 per week
Incompatible with: FNB116

■ EFB003 PERSONAL & CORPORATE FINANCE
The Australian financial environment from both a personal
and corporate point of view; goals and functions of finance;
project evaluation; evaluation and selection of investment
projects, management of working capital; leverage; cash fore-
casting and management; financial statement analysis.
Courses: EE44
Credit Points: 4
Contact Hours: 2 per week
Incompatible with: FNB125; this unit is not available to BS50
BBus (Accy) or BBus (B&F) majors and BS56 BBus (Acc)
or BBus (B&F) majors

■ EFB100 AUSTRALIAN ECONOMIC HISTORY
The Australian economy and its economic institutions from
the 1890s to World War II; analysis of postwar economic
growth and fluctuations; arbitration, conciliation and wage
fixation, immigration policy, capital inflow institutional ar-
rangements; Australia’s links with the international economy;
trading agreements; the contribution of manufacturing, agri-
culture, minerals and energy, labour, investment and technol-
yogy in historical context; Australia’s deteriorating economic
performance since the 1970s and the opportunities presented
by the development of the Pacific Basin; the future for Aus-
tralia.
Courses: BS50, ED50, NS48, BS56
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB106

■ EFB101 DATA ANALYSIS FOR BUSINESS
This unit introduces students to the basic tools for the analy-
sis of cross section and time series data. The major topics
covered are a discussion of key features of published data, the
calculation and meaning of descriptive measures of data, the
concepts of sampling, sampling error and sampling distribu-
tions, hypothesis testing and regression analysis.
Courses: BS50, BS56
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB109, EPB110

■ EFB102 ECONOMICS II
Consumer behaviour; the role of the government in market
intervention and allocative efficiency and market structure are
some of the fundamental issues in microeconomics addressed
in this unit. Business cycles and the related issue of macro-
economic stabilisation policy are analysed and explained
within the Australian context. The significance of the interna-
tional economy is described through a discussion of foreign
exchange markets, the Australian dollar and the terms of trade.
Courses: BS50, BS56
Prerequisites: BS113 or EPB116
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB172, EPB140 and EPB150 if both
have been passed. Note students may enrol for this unit if
they have studied but failed either EPB140 or EPB150

■ EFB103 MACROECONOMICS
Macroeconomics is that part of economics primarily concerned
with the relationships between broad economic aggregates.
The most important of these include the level of GDP, aggre-
gate expenditure and saving, the level of employment, the
quantity of money, the average price level, and the balance of
payments. The aim of this unit is to define and analyse the
relationships between these aggregates, and their impact upon
the national economy. The unit examines the problems associated with inflation, unemployment and the balance of payments in the context of the Australian economy; the role of the government and the central bank discussed within the framework of an income-expenditure model; international trade and capital flows.

**Courses:** BS50, ED50, IF31, IF37, IF52, IF54, IS43, IT20, NS48, PU48, BS56, IF40

**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** EPB172, BSB113, EFB102, EPB116, EPB140

**EFB104 MICROECONOMICS**

The nature of the economic problem and the economic way of thinking; the theory of consumer behaviour, the nature of demand, preference and indifference theory; the nature of supply, the price mechanism and the operation of the market; short and long run costs; profit maximisation, market structure, factor markets and market failure.

**Courses:** BS50, BS56, IF31, IF37, IF40, IF52, IF54, IS43, IT20, NS48, PU48

**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** BSB113, EFB102, EPB116, EFB172, EPB150

**EFB105 RESEARCH & SURVEY METHODS**

This unit deals with data (primary and secondary): the gathering of data via surveys, the understanding of data through the study of statistics and the analysis of data; Australian statistical information; demographic processes: the presentation of quantitative as well as qualitative data; questionnaire construction; how to conduct surveys; sampling design; sample accuracy; sample size; confidence intervals; hypothesis testing plus an introduction to correlation, regression and time series analysis. Computer work involves SPSS.

**Courses:** BS50, BS56, ED50, PU48

**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** EPB163

**EFB200 APPLIED REGRESSION ANALYSIS**

This unit builds on the basic multiple regression model introduced in EFB101, by examining the practical problems encountered in using the single equation econometric model. In particular, the major problems encountered using real data, such as multicollinearity, serial correlation in time series data and heteroskedasticity in the case of cross section data, specification error, and alternative functional form issues will be illustrated in the context of published Australian data. The unit includes extensive use of a commonly used computer package to allow the practical application of the various techniques.

**Courses:** BS50, BS56  
**Prerequisites:** EFB101 or EPB110

**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** EPB102

**EFB201 AUSTRALIAN FINANCIAL MARKETS**

System efficiency and the intermediation process; term structure of interest rates; the Australian banking and payments system; merchant bank and finance company operations; the operations of the Australian Stock Exchange; financial systems regulation; trade and pricing of money market/capital market securities; the options and futures market.

**Courses:** BS50  
**Prerequisites:** FNB102 or FNB107 or FNB111 or FNB406 or EFB206 or EFB210

**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** FNB100

**EFB202 BUSINESS CYCLES & ECONOMIC GROWTH**

The unit develops an analytical framework in order to evaluate the macroeconomic performance of the Australian economy and the policy actions taken by government. Key issues addressed include business cycle stabilisation, unemployment, inflation; economic growth; the foreign debt; budget deficits; and national saving.

**Courses:** BS50, BS56  
**Prerequisites:** EFB102 or EPB140 or EPN102 or EPB172

**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** EPB142

**EFB203 BUSINESS FORECASTING**

This unit covers a wide range of forecasting methods which may be of use in forecasting business variables. The focus of the unit is single equation and time series modelling techniques. Smoothing models, including exponential and Winter's smoothing, are the simplest of a wide range of forecasting models available to business. This unit takes these as the starting point. The classical decomposition approach to forecasting will be used to show how components of a time series may be extracted and used in forecasting. The more sophisticated ARIMA models will then be discussed in detail. Students will also be introduced to methods by which to evaluate model performance, and to compare and combine different forecasting techniques.

**Courses:** BS50, BS56  
**Prerequisites:** EFB200 or EPB102

**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** EPB107

**EFB204 COMPARATIVE ECONOMIC SYSTEMS**

Introduction to the operations of important overseas capital markets, regulation and structure.

**Courses:** BS50  
**Prerequisites:** FNB100 or FNB201

**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** EPB111

**EFB206 CORPORATE FINANCE**

An overview of the Australian financial system; technical tools used in financial decision making; the capital market, short and long-term finance; dividend policy; investment decision models.

**Courses:** BS50, ED50, IF56  
**Prerequisites:** AYB100 or AYB110 or BSB110

**Credit Points:** 12  
**Contact Hours:** 4 per week  
**Incompatible with:** FNB111, FNB107, EFB210

**EFB207 DEVELOPMENT OF ECONOMIC THOUGHT**

This unit is especially recommended for students wishing to study economics at a higher level. It traces the evolution of economic thought over time, and evaluates the contributions of key figures such as Adam Smith, David Ricardo, J.S. Mill, Karl Marx and others. Importantly, the unit reflects on the lessons of the past within the context of the economic policies currently favoured by governments in Australia and elsewhere in the world.

**Courses:** BS50, BS56  
**Prerequisites:** EFB102 or EPB140 and EPB150 or EPB172 or EPB102 or EPN102

**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** EPB117

**EFB208 ECONOMIC ANALYSIS & POLICY**

Theoretical constructs of welfare economics and cost-benefit analysis; economic rationales for government policy in major areas including: the environment; resource depletion; public investment; taxation; federal fiscal relations; education finance; income distribution; industry.

**Courses:** ED50  
**Prerequisites:** EPB140 and EPB150 or EPB172 or EPB102 or EPN102

**Credit Points:** 12  
**Contact Hours:** 3 per week
EPB209 ENVIRONMENTAL ECONOMICS: ISSUES & POLICY

This unit provides an introduction to the foundations of environmental and natural resource economics, and examines the increasingly important role of economics in the formulation and implementation of environmental policy. Topics include: sustainable development, market failure, pollution and depletion of natural resources and analysis of environmental policy.

Courses: BS50, BS56
Prerequisites: EFB102 or EFB150 or EFB140 or EPB116
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB165

EPB210 FINANCE I

An introduction to the Australian institutional framework; terminology; debt and equity instruments. Financial mathematics applied to the pricing of debt and equity securities. A firm’s investment decision; Net Present Value (NPV) and Internal Rate of Return (IRR); introduction to risk and uncertainty; Capital Asset Pricing Model (CAPM) and Weighted Average Cost of Capital (WACC).

Courses: BS50, BS56, IF37, IF40
Prerequisites: AYB110 or AYB100 or BS110 and EPB150 or EPB116 or FNB113
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: FNB107, FNB111, EFB206

EPB211 FIRMS, MARKETS & RESOURCES

This unit refines and extends introductory microeconomic concepts and applies them to business decision making, the design and evaluation of public policy and to a general appreciation of the economic aspects of a modern mixed economy. It extends and refines the theoretical framework of microeconomics. It then investigates market failure, the role of government and the appropriate response of business.

Courses: BS50, BS56
Prerequisites: EFB102 or EFB150 or EFB172 or EPN102
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB152

EPB212 INTERNATIONAL TRADE & FINANCE

Surveys international trade and finance with an emphasis on current economic policy issues; the theories of trade and the bases, direction, volume and terms of trade; trade policy and economic welfare; tariffs and trade; FATT; industry policy; economic integration; EC; NAFTA, APEC, ASEAN; balance of payments; alternative exchange rate regimes; foreign exchange markets and risk management using futures and options; Eurocurrency markets; international money reform. This unit is not available to students undertaking the Economics primary major.

Courses: BS50, ED50
Prerequisites: EFB102 or EFB140 and EFB150 or EFB172 or EPN102
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB152

EPB213 INTRODUCTION TO ANALYTICAL TECHNIQUES FOR BUSINESS

This unit introduces students to a range of modelling procedures which can be applied to assist business in decision making under uncertainty. Inventory analysis is important to minimise storage costs. The efficient scheduling of tasks, also vital for cost effectiveness, is addressed using PERT/CPM techniques. The problem of optimal resource allocation is explored using linear programming, including integer linear programming. Queuing models will also address the issue of optimal planning and use of resources. An introduction to decision theory is also included. The use of computers allows the student to concentrate on the applications of these techniques and their interpretation and to recognise the strengths and weaknesses of these models.

Courses: BS50, BS56
Prerequisites: EFB101 or EFB109 or EPB110
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB104

EPB214 MATHEMATICAL APPLICATIONS IN ECONOMICS & FINANCE

This unit demonstrates the use of a selection of important mathematical tools commonly used in decision making in economics and finance. Applications will include simple and compound interest; present and future value; internal rate of return analysis; break-even and equilibrium analyses; annuities; mortality; elasticity; duration analysis; optimisation and measurement of changes in economic welfare. Mathematical techniques covered will include linear equations; systems of linear equations; matrix algebra; non-linear equations – quadratic, exponential and logarithmic functions; mathematical progression; differential and integral calculus.

Courses: BS50, BS56
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB144

EPB215 MONETARY THEORY & POLICY

The historical evolution of contemporary monetary theories; the role of money in affecting output, inflation and the balance of payments; recent approaches to monetary policy in the Australian context; and the role of the Reserve Bank in interpreting theory and giving effect to policy.

Courses: BS50, BS56
Prerequisites: EFB140 and EFB150 or EFB172 or EFB102 or EPN102
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB153

EPB217 TRANSPORT & COMMUNICATION ECONOMICS

The application of microeconomic principles to transport and communication: location decision, demand, costs, pricing, investment principles, regulation, issues and policy.

Courses: BS50, BS56
Prerequisites: EFB140 and EFB150 or EFB172 or EFB102 or EPN102
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB168

EPB300 ADVANCED ECONOMIC THEORY & POLICY

The foundations of advanced economic thought and recent contributions to the literature of micro and macro theory and policy; their relevance for public and private decision making in the Australian context.

Courses: BS50, BS56, ED50
Prerequisites: EFB142 and EFB152 and EFB211 and EFB202
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB101

EPB301 ADVANCED LENDING

This unit introduces students to advanced aspects of security evaluation and the assessment of debt servicing capacity; the analysis of ‘exotic’ types of corporate loans; and rescheduling of sovereign debt.

Courses: BS50, BS56
Prerequisites: EFB311 or FNB114
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB101

EPB302 ADVANCED MACROECONOMICS

The unit covers all the major modern theoretical and policy macroeconomic debates in depth. Issues covered will draw from: the Neoclassical/Keynesian synthesis, Monetarism, New Classical economics, new Keynesianism, real business cycle theories, theories of unemployment hysteresis, theories of consumption and investment, alternative open economy models of macroeconomic policy, macroeconomic forecasting, advanced aspects of monetary and fiscal policy, growth models and modern endogenous growth theory.

Courses: BS50, BS56
Prerequisites: EFB202 or EFB142
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB101
EFB303 ADVANCED MICROECONOMICS
This unit will add to and further develop the theories and issues studied in EFB211 and will introduce additional advanced practical applications.
Courses: BS50, BS56
Prerequisites: EFB211 or EPB152
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB101

EFB304 ADVANCED ECONOMETRIC TECHNIQUES
This unit progresses from EFB200, extending the student’s knowledge to topics in applied econometrics. Single equation issues addressed include errors in variables, distributed lag models and causality testing. Recent developments in time series econometrics are examined in the context of the problem of nonstationarity of time series data. The identification of and estimation techniques used in simultaneous equation models are also covered in this unit. The application of these econometric techniques are illustrated in the context of economic modelling.
Courses: BS50, BS56
Prerequisites: EFB200 or EPB102
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB103

EFB305 CURRENT ECONOMIC POLICY CHALLENGES
This is a core unit which harnesses the foundational skills developed in previous units of the Economics major in order to illustrate the application of economic analysis to key policy problems through the in-depth consideration of selected topical issues. The selection of issues will be flexible and subject to continuous review in order to ensure relevance. Approximately four issues will be selected, and each treated in some depth. An indicative list of issues which could be explored in the current circumstances is: the national savings debate, economic solutions to environmental problems, the debate around a goods and services tax, the issue of regulation versus deregulation of the labour market.
Courses: BS50, BS56
Prerequisites: EFB211 and EFB202 or EPB141 and EPB151
Credit Points: 12
Contact Hours: 3 per week

EFB306 ECONOMIC MODEL BUILDING
Model specification and theory formulation; investigating the model characteristics and the underlying assumptions of convexity, concavity and regularity; theoretical appraisal of single and simultaneous equation model building and audit usefulness in pacifying and solving economic issues and problems.
Courses: BS50, BS56
Prerequisites: EPB104 or EFB213 and EPB140 and EPB150 or EPB172, or EBF102 or EPN102 or EFN405
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB115

EFB307 FINANCE 2
Theoretical development of the CAPM model, its practical application and its relationship to efficient market hypothesis. Capital structure, dividends, short-term assets, leasing, takeovers, options and futures.
Courses: BS50, BS56, IF37, IF40
Prerequisites: FNB111, EFB210
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: FNB112

EFB308 FINANCE 3
A study of contemporary finance research; event research; beta estimation; valuation theory; use of finance research tools; anomalies and extension of finance theories; students are required to complete a research project combining theory and practice.
Courses: BS50, BS56
Prerequisites: FNB112, EFB307
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: FNB113

EFB309 FINANCIAL DERIVATIVES
This unit extends students’ knowledge of financial derivatives, to encompass exotic trading strategies in options, futures and physical instruments; option replication strategies; modifications to the basic option theory, to account for firm capitalisation changes (e.g. bonus shares); designer options; and option pricing models, other than the standard Black-Scholes OPM studied in EFB307.
Courses: BS50, BS56
Prerequisites: FNB112, EFB307
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: FNB112, EFB307

EFB310 FINANCIAL INSTITUTIONS – CONTROL
This subject is designed to familiarise students with the management considerations of a financial institution, particularly from a financial management perspective. Students will gain an understanding of the relevance of both financial management and managerial accounting within the financial institution.
Courses: BS50, BS56, IF40
Prerequisites: FNB111 or FNB107 or EFB206 or EFB210
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: FNB124, FNB115

EFB311 FINANCIAL INSTITUTIONS – LENDING
Finance theory and the lending function; cost of bank funds; the evaluation of retail loans, lending to small business; financial statement analysis; corporate lending and securities; financing international trade; problem loans and credit scoring.
Courses: BS50, BS56, IF40
Prerequisites: FNB107 or FNB111 or EFB206 or EFB210
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: FNB114

EFB312 INTERNATIONAL FINANCE & ECONOMICS
To examine the theory and practice of international finance, including the mechanics and uses of the spot, forward, swap, futures and options markets in foreign exchange; the relationship between domestic and international capital markets; interest rate and exchange rate determination; risk management of foreign exchange: international trade finance; evaluation of offshore investment (including country risk).
Courses: BS50, BS56
Prerequisites: FNB111 or FNB107 or EFB210 or EFB206
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: FNB120, EFB212, EFB132

EFB313 INTERNATIONAL MACROECONOMICS
This unit deals with the various theoretical and policy approaches to the macroeconomy as they are pursued in different countries. It examines the comparative macroeconomic performance in different countries over time, the distinction between interventionist and laissez-faire policies, as well as the differences in traditions and approaches between English speaking and non-English speaking countries.
Courses: BS50, BS56
Prerequisites: EFB302
Credit Points: 12
Contact Hours: 3 per week

EFB314 INTERNATIONAL TRADE & ECONOMIC COMPETITIVENESS
The unit analyses the increasing globalisation of world trade and finance, and develops an analytical framework to assess the impact of these flows on the Australian economy, its businesses and its policy makers. It examines trade and capital flows, exchange rate determination, and the impact of these external variables upon domestic interest rates, prices and levels of activity.
Courses: BS50, BS56
Prerequisites: EFB211 and EFB202 or EPB142 and EPB152
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB130 and EPB132 and EFB212

EFB315 ISSUES IN FINANCE
The finance framework; positive versus normative methods; Kuhn’s model of progress; the resolution of traditional finance problems; regulation and finance, market failure: the finance solution.
Courses: BS50, BS56, IF40
Prerequisites: FNB111, FNB123 or EFB210, AYB225
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: FNB121
■ **EFN401 ADVANCED FINANCIAL INSTITUTIONS MANAGEMENT**
This unit applies analytical tools acquired from the preceding units to investigate specific market applications both at the micro and macro levels. Topics include: the demand and supply of labour; investment in human capital; market structures and their effect on equilibrium wage levels; job search; discrimination; collective bargaining; minimum wages; enterprise bargaining; unemployment; inflation; the Philips Curve in Australia.

**Courses:** BS50, BS56
**Prerequisites:** EBF142 and EBF152 or EBF211 and EBF202
**Credit Points:** 12
**Contact Hours:** 3 per week
**Incompatible with:** EBP134

■ **EFN317 MICROECONOMIC REFORM**
This unit applies the principles of welfare economics (applied microeconomic theory) to case studies of microeconomic reform in practice. Issues which are examined, include regulation, and the corporatisation and privatisation of key industries, such as transport, communications, electricity generation and distribution, and water supply.

**Courses:** BS50, BS56
**Prerequisites:** EBF211 or EBF151
**Credit Points:** 12
**Contact Hours:** 3 per week

■ **EFN318 PORTFOLIO & SECURITY ANALYSIS**
Management of investment portfolios; diversification; performance management; risk management; advanced theories on option pricing, efficient markets, futures trading (hedging) and asset pricing.

**Courses:** BS50, BS56, IF40
**Prerequisites:** FNB112 or FNB1102 or EBF307
**Credit Points:** 12
**Contact Hours:** 4 per week
**Incompatible with:** FBN126

■ **EFN319 PUBLIC SECTOR ECONOMICS**
The reasons for government intervention in the economy; the ways in which the effectiveness of this intervention may be measured. Topics include: the competing goals of efficiency and equity; theories of first-best and second-best; the importance of externalities; the public goods controversy; privatisation, deregulation and re-regulation; alternative ways of financing government expenditure; and issues in public sector accounting.

**Courses:** BS50, BS56
**Prerequisites:** EBF152, or EBF211
**Credit Points:** 12
**Contact Hours:** 3 per week
**Incompatible with:** EBP160, EBP158

■ **EFN320 PERSONAL FINANCIAL PLANNING**
This unit extends students’ knowledge of financial planning, to encompass the main personal finance products offered in the market strategy and the macroeconomic environment; problems of resource allocation at the firm, in industry and the economy; completion of an industry study by each student, and an analysis of the Commonwealth Budget strategy.

**Courses:** BS50, BS56
**Prerequisites:** FNB111 or EBF210 or FNB107 or EBF206
**Credit Points:** 12
**Contact Hours:** 3 per week

■ **EFN321 SPECIAL TOPIC – ECONOMICS**
This unit provides the opportunity for the student to examine in detail a specific current economic policy issue. The nature of the unit varies from year to year depending upon policy questions and the interests of the staff. Contact the Major Coordinator of Economics and Finance for further details.

**Courses:** BS50, BS56
**Prerequisites:** 144 credit points in BBus including EBF202 and EBF211
**Credit Points:** 12
**Contact Hours:** 3 per week
**Incompatible with:** EBF216

■ **EFN401 ADVANCED FINANCIAL INSTITUTIONS MANAGEMENT**
The study of current technical issues facing managers of financial institutions including an examination of theoretical framework for the analysis of the function and operation of the modern financial institution. Topics include strategic management, evolution of the Australian financial market place, issues associated with regulation.

**Courses:** BS70, BS94
**Prerequisites:** PG with an UG degree (Economics or Finance)
**Credit Points:** 12
**Contact Hours:** 3 per week
**Incompatible with:** EFP101

■ **EFN402 ECONOMIC ANALYSIS**
Australia’s international trading performance relative to other industrialised nations; the potential economic impact on quality control systems on primary, secondary and tertiary sections of Australian industry; economics of the firm and the quality factor, quality as a determinant of demand, demand elasticity, goods attribute theory; tools for incorporating quality into investment decisions; opportunity and marginal costs; x inefficiency; increased profitability resulting from quality initiatives.

**Courses:** BS77, BS83, IF66, IF69
**Prerequisites:** PG only
**Credit Points:** 6
**Contact Hours:** 3 per week
**Incompatible with:** EPN117

■ **EFN403 ECONOMICS & PUBLIC POLICY**
The relationship between economics, economists and public policy; currently influential bodies of economic theory, and their application in the public policy environment; the role of economists in the policy process. Topics addressed cover both the macro and micro dimensions of economic policy and include: the balance of payments and foreign debt; employment and unemployment; taxation; privatisation; health policy; social and welfare policy; environmental policy.

**Courses:** BS62, BS78, BS81, BS83, IF64, GS81, GS70, BS30
**Prerequisites:** PG only
**Credit Points:** 12
**Contact Hours:** 3 per week
**Incompatible with:** EPN115 and EBF209

■ **EFN404 ENVIRONMENTAL ECONOMICS & POLICY**
Environmental economics is concerned with the interaction between economic systems and the natural environment. Fundamental issues are sustainable economic development, the economic cost to future generations of potential degradation of the environment, the proper definition of property rights, the economics of pollution and the depletion of non-renewable resource stocks. This unit provides a comprehensive analysis and critique of the role played by environmental economics in the formulation of contemporary environmental policy in Australia and globally.

**Courses:** BS62, BS81, BS83, IF64, GS81, GS70, BS30
**Prerequisites:** PG only
**Credit Points:** 12
**Contact Hours:** 3 per week
**Incompatible with:** EPN115 and EBF209

■ **EFN405 MANAGERIAL ECONOMICS**
Managerial decision making in an economic environment; an introduction to economics, demand analysis, cost analysis, market strategy and the macroeconomic environment; problems of resource allocation at the firm, in industry and the economy; completion of an industry study by each student, and an analysis of the Commonwealth Budget strategy.

**Courses:** BS78, BS81
**Prerequisites:** PG only
**Credit Points:** 12
**Contact Hours:** 3 per week
**Incompatible with:** EPN203, EPN102

■ **EFN406 MANAGERIAL FINANCE**
Introduction to the world of finance and financial management. Topics include: the finance function, the role of the financial manager; the Australian financial environment; sources of funds; present and future value; time value of money; financial mathematics; cost of funds, the firm investment decision; investment evaluation techniques; cash budgeting; working capital management; capital budgeting; dividend policy and financial structure policy.

**Courses:** BS81
**Prerequisites:** PG only
**Credit Points:** 12
**Contact Hours:** 3 per week
**Incompatible with:** FNN102

■ **EFN407 MULTIVARIATE METHODS**
This unit is intended to provide students with the skills needed to perform appropriate analysis of data. It focuses upon some
of the more important multivariate methods, of which multiple regression is but a part. Other multivariate techniques covered include discriminant analysis, principal component analysis and factor analysis. The link between appropriate multivariate statistics and a research question is thoroughly investigated.

Courses: BS60, BS61, BS62, BS83
Prerequisites: PG only; EPB110, EFB101 or equivalent
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: EPN112

■ EFN408 SPECIAL TOPIC – ECONOMICS, BANKING & FINANCE A
This unit provides the opportunity to study in detail, at a post-graduate level, specific current issues relating to economics, banking or finance. The nature of the unit varies from year to year depending upon contemporary issues and the interests of staff. Contact the Head of School, School of Economics and Finance for further information.

Courses: BS78, BS81
Prerequisites: PG with an UG degree (Economics or Finance) or EFN406
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: EPN116

■ EFN409 STATISTICAL METHODS
Statistics is the study of the procedures for collecting, analysing and interpreting the data required for effective decision making. The basic concepts and techniques of statistical analysis, with particular reference to their application in management. Campus computers may be used. Topics include: graphs, charts, descriptive statistics, probability, sampling methods, analysis of sample results and regression and correlation.

Courses: BS81, GS81, GS70, BS30
Prerequisites: PG only
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: EPN105

■ EFN410 ECONOMIC & FINANCIAL MODELLING
This unit is designed to introduce students to spreadsheet and other forms of modelling techniques which are frequently used in a business and financial environment. Modelling is used as an aid to decision making, as a means of forecasting important variables and as a planning and analysis tool. Various modelling exercises are used to illustrate the use of these modelling techniques in an economic and financial context.

Courses: BS70, BS94
Prerequisites: PG only
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: FNN103 and EFN503

■ EFN411 SPECIAL TOPIC – ECONOMICS, BANKING & FINANCE B
This unit provides the opportunity to study in detail, at a post-graduate level, specific current issues relating to economics, banking or finance. The nature of the unit varies from year to year depending upon contemporary issues and the interests of staff. Contact the Head of School, School of Economics and Finance for further information.

Courses: BS30, BS89, GS80, GS81, GS70
Prerequisites: PG only; EFN406
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: EFN406

■ EFN500 CONTEMPORARY MACROECONOMIC THEORIES
This unit introduces students to the latest theoretical developments in the field of macroeconomics using both qualitative and quantitative approaches. It places these theories in their historical, philosophical and societal contexts. This unit looks at New Classical and New Keynesian theoretical approaches to a range of issues. These include: expectation theories, supply side economics, theories of labour markets, monetary theories and growth theories (including the role of international trade). Also differences in the theoretical foundations of macroeconomic policies employed in different countries are highlighted.

Courses: BS62, BS83, IF64, GS80, GS70, BS30
Prerequisites: PG with an UG degree (Economics or Finance)
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: EPN111

■ EFN501 CORPORATE & COMMERCIAL LENDING
The study of advanced lending issues and structures for commercial applications. Examination of procedures for analysis of specialist lending; credit rating, leasing structures, venture finance.

Courses: GS80
Prerequisites: PG with an UG degree (Economics or Finance)
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: EFP112

■ EFN502 DEVELOPMENTS IN MICROECONOMIC THEORIES
Discussion of refinements in microeconomic theory such as hedonic pricing models, invalid preference theory, contestable market theory, theories of regulation, strategic entry deterrence, networks and vertical integration theories, and public utility theories are considered in this unit. It explores refinements in microeconomic theory which have contemporary use in the development of government policies in areas such as the environment, energy, public enterprises, industrial development, transport and telecommunications.

Courses: BS62, BS83, IF64, GS80
Prerequisites: PG with an UG degree (Economics or Finance)
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: EPN108

■ EFN504 FINANCE HONOURS
An advanced coverage of the theory of financial management, building on work done in the undergraduate course with reference to empirical evidence where available: topics include; capital markets, investment decisions, market equilibrium, the capital asset pricing model, arbitrage pricing theory, capital structure, dividend policy, efficient capital markets; provides a theoretical basis allowing for evaluating policy problems in the area of financial management, a prerequisite for further specialisation in this area.

Courses: BS60, BS70, BS81, BS87
Prerequisites: PG with an UG degree (Finance)
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: FNN101

■ EFN505 FINANCIAL RISK MANAGEMENT
An advanced postgraduate finance unit which covers four areas of risk management: portfolio, investment, exchange and insurance. Topics include: portfolio theory, performance evaluation, benchmark problems, hedging, portfolio insurance in the crash of 1987, managing exchange risk, risk reduction, self-insurance, new tax rules and superannuation fund performance, interest rate risk, rating agencies, duration, immunisation. Emphasis is on empirical research.

Courses: BS70, BS87, IF64
Prerequisites: PG with an UG degree (Finance)
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: FNN104

■ EFN506 INTERNATIONAL FINANCE
The theory and practice of international finance, the relationship between domestic and international capital markets, interest rate and exchange rate determination, risk management, foreign exchange, international trade finance, offshore investment, legislation, transfer pricing, accounting and taxation aspects.

Courses: BS70, BS87, IF64
Prerequisites: PG with an UG degree (Finance) or EFN406
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: FNN105

■ EFN507 ADVANCED CAPITAL BUDGETING
Application of the theoretical constructs developed in undergraduate finance units to complex problems in investment appraisal.

Courses: BS75, BS87
Prerequisites: PG only; FNB112 or EFB307 or EFN406
Credit Points: 12 Contact Hours: 3 per week

Incompatible with: FNN100 and EFN400
ESB310 GEOLOGY
An introduction to geological materials, emphasising chemical concepts and processes. Aspects studied include the origin and constitution of the earth, introductory mineralogy, igneous, sedimentary and metamorphic petrology, study of physical and structural geomorphology, stratigraphy and economic geology.
Credit Points: 8

ESB122 PHYSICAL GEOLOGY
Basic geologic principles, physical geology, geomorphology, weathering, erosion, river and coastal environments, groundwater, deserts and aeolian processes. Origin and composition of the earth and the solar system; mineralogy; classification and origin of igneous, metamorphic and sedimentary rocks; structural geology; plate tectonics; economic geology. Practical work includes examination and identification of major rock-forming minerals, economic minerals and rocks; structural exercises; interpretation of topographic and geologic maps and aerial photographs. Field excursions to local areas of geological interest.
Courses: ED50, SC30
Credit Points: 12

ESB222 HISTORICAL GEOLOGY
Geologic history of the earth; interpretation of past geologic events emphasising the geologic development of Australia and the evolution of life; principles of stratigraphy; radiometric dating; palaeontology and biostratigraphy. Practical work includes stratigraphic interpretations, study of fossils and map interpretation. Field excursions to local areas of interest.
Courses: ED50, SC30
Credit Points: 12

ESB229 GEOLOGY FOR THE BUILT ENVIRONMENT
Basic principles and theories of geology, emphasising the way in which mineralogy and petrology, geological structures, geomorphology and groundwater interact with, and are related to, surveying, and engineering design and construction. The engineering properties of rock and soil, and the effect of geological hazards on the built environment; case histories on the relevance of geology to the surveyor’s and civil engineer’s workplace.
Courses: CE42, IF52, PS47
Credit Points: 8

ESB312 MINERALOGY
Introductory crystallography; fundamentals of crystal chemistry, mineral stability and reactions; crystallisation, growth and habit; the geological context of minerals; classification of minerals; systematic treatment of the physical, chemical and structural properties of minerals; techniques of mineral analysis; theory and identification of minerals in transmitted light; the introduction to mineralogy with theory of reflected light; optical properties of ore minerals and identification of minerals in thin section, polished section and grain mounts.
Courses: ED50, SC30
Credit Points: 12

ESB332 GEOPHYSICS
Physical properties of the earth; geophysical methods including: seismic, gravity, magnetic, radiometric, resistivity, induced polarisation, electromagnetic; electrical properties of rocks and minerals; natural electrical sources. The unit covers both solid earth and exploration aspects.
Courses: ED50, SC30
Credit Points: 12

ESB342 STRUCTURAL GEOLOGY
The geometry of map-scale structures. Classes of structures: description and analysis of joints, faults, folds, boudinage, cleavage, foliations, and lineations. Principles of deformation: stress, brittle fracture, strain and rigid motion. Brittle and plastic deformation. Measurement of strain, homogeneous and non-homogeneous strain, normal and shear stress, Mohr diagrams. Deformation mechanisms: Rheological models and stress-strain relations. Elastic limit, plastic deformation within crystals, pressure solution, recrystallisation, creep. Fracture and brittle behaviour including the roles of microcracks, pore fluid pressure, pre-existing fractures, heat, and lithology. Practical work includes a series of assignments of increasing complexity, culminating with a course project which includes geological map interpretation and cross-section construction. Field work involves mapping and analysing deformed rocks.
Courses: ED50, SC30
Credit Points: 12

ESB392 FIELD TECHNIQUES & STUDIES
Methods used in the accumulation, analysis and interpretation of geological field data. Geomapping, sampling and presentation of reports. This unit includes an extended excursion (five days or more), during which students are required (individually or in groups) to map the geology of an assigned area. During the field excursion, students are required to produce a geological map, together with supporting explanatory notes. Other weekend excursions to areas of geological interest may be included.
Courses: ED50, SC30
Credit Points: 12

ESB432 GEOMORPHOLOGY & SEDIMENTARY GEOLOGY
Introduction to geomorphic systems, processes and landforms; regolith, weathering, effects of climate; erosion; drainage systems and river processes; volcanic terrains, volcanic hazards and volcanism monitoring; type and distribution of marine sediments; the sedimentary cycle and sediment transport; sedimentary structures, sediment textures, grain size analysis; depositional environments; fossiliferous sediments and microfossils; an introduction to biostratigraphy and basin analysis.
Courses: ED50, SC30
Credit Points: 12

ESB452 GEOCHEMISTRY
An introduction to the chemistry of the earth and its components. Origin and distribution of the elements within the earth; elemental associations, primary differentiation and geochemical classification. Crystal chemistry, nature of solids, bonding, covalent and ionic radii, solid solution. Introduction to thermodynamics, including equilibrium and equilibrium constants, chemical potential, fugacity, activity, the phase rule and phase diagrams. Isotope geochemistry. The geochemistry of aqueous environments, water chemistry, properties of water, solutions and solubilities, pH, oxidation and reduction, water reactions. Presentation of geochemical data. Practical aspects include experience in geochemical methodology, from sample collection in the field through analytical methods appropriate to geology (ICP, electron microprobe, XRD, AAS).
Courses: SC30
Credit Points: 12

ESB462 LITHOLOGY
Optical mineralogy: the description and classification of igneous, metamorphic and sedimentary rocks in thin section and hand specimen; the identification, classification and interpretation of textures. A field study of one day’s duration is required.
Courses: ED50, SC30
Credit Points: 12

ESB472 MINERAL DEPOSITS & MINE GEOLOGY
Ore concentration mechanisms according to classical and modern ore genesis theory. The different types of economic
materials are then studied under the following headings: mineralogy, genesis, use and value, mining methods, beneficiation, major overseas deposits, Australian deposits. The role of the mine geologist. Practical work includes studies of economic minerals, and exercises in interpretation of mine data. Courses: SC30 Credit Points: 12

ESB512 IGNEOUS & METAMORPHIC PETROLOGY
The origin, formation, and geological history of igneous and metamorphic rocks as determined from field and laboratory studies of occurrences, mineral assemblages, rock compositions and textures. Interpretation of rock and mineral compositional diagrams; application of experimental work and detailed computer modelling of petrochemical processes. Practical work examines the petrography and geochemistry of igneous and metamorphic suites. Field studies are an essential component of the unit. Courses: SC30 Credit Points: 12

ESB522 HYDROGEOLOGY
A broad-based course on groundwater, directed to its occurrence and quality, from both resource and environmental aspects. The hydrological cycle; the origin, occurrence and movement of groundwater; geology and character of aquifers; the chemistry and quality of groundwater, and their monitoring and exploration methods; drilling and testing methods and equipment. Practical exercises with pump tests, groundwater flow, material permeability, field testing, chemical analysis, computer software and introduction to modelling. Laboratory visits, demonstrations and a field practical, interaction with government departments and private industry. Courses: SC30 Credit Points: 12

ESB542 STRUCTURAL & ENGINEERING GEOLOGY
This unit furthers the understanding of deformation of mid-to lower-crustal rocks and superposed folding, and develops the method of balancing cross sections for thrust and normal fault regimes. These concepts and methods are needed for the mineral, oil, and engineering geology industries. Students undertaking the unit will acquire the conceptual and technical tools to enable them to rationally interpret the history and significance of ductile to semi-ductile geological structures, and give them an overview of the deformed crust. They will also acquire an understanding of the mechanical properties of deeply buried earth materials, an appreciation for modelling methods, and the computational skills needed to describe, analyse, and interpret geological structures. Practical work includes a series of assignments involving both hand samples and balanced cross section construction. A weekend field trip is required. Field work involves mapping and analysing polyphase deformation of rocks. Courses: SC30 Credit Points: 12

ESB582 ORE GENESIS
The formation of ore-deposits. A wide variety of deposits are studied with an emphasis on metallic ore deposits, their characteristics, and environments of deposition. Ore-forming processes are discussed, together with tectonic perspectives, modern ore formation and techniques of study of ore deposits. Courses: SC30 Credit Points: 12

ESB592 ADVANCED GEOLOGICAL MAPPING
A field excursion conducted during the semester break emphasising geologic mapping skills in lithologically and structurally varied regions. Past excursions have focused on the Mt Isa region, and have been run in collaboration with the University of Queensland. Lectures/tutorials prior to the excursion review and develop mapping and geologic interpretation techniques. Assessment is based on tutorial exercises completed during the semester, and geologic maps, cross sections and reports in the field. All work is finalised at the conclusion of the excursion. Students are expected to cover their transport expenses to the field site, as well as accommodation and food costs during the excursion. Courses: SC30 Credit Points: 12

ESB602 GEOLOGICAL INVESTIGATIONS
An introduction to geological research through the development and completion of a research project within a specified area of geology. Students are required to develop, in consultation with an appropriate staff member, a research proposal with specific aims and objectives, relevant methodology and appropriate background. The research problem must be field-based and include a laboratory component. Lecture/tutorial sessions in information retrieval, writing and presentation skills. Assessment is based on written and oral reports. Courses: SC30 Credit Points: 12

ESB652 EXPLORATION GEOSCIENCE
Design of mineral exploration programs: target generation, reconnaissance, detailed investigation, evaluation, time and budget schedules, risk factors. Introduction to the theoretical base of exploration geology; main types of geochemical surveys in regional, local and mine scale exploration; the role of statistics in design and interpretation of exploration geochemical programs; analytical methods in geochemical prospecting; the role of biogeochemistry. Remote sensing in exploration; airborne geophysical surveys, design, acquisition, processing and interpretation leading to the design and operation of follow-up ground surveys; assessment of drilling results by geophysical logging and tomography; use of software applications; geophysical case histories. Courses: SC30 Credit Points: 12

ESB672 FOSSIL FUEL GEOLOGY
Coal properties, classification, genesis and analysis; hand specimen study and microscopy; hydrocarbon generation from coal and oil shale; coalfield geology and subsurface mapping techniques; basin analysis; coal production and economics. Origin and characteristics of petroleum fluids including: generation, accumulation and migration through time and space; study of structural and stratigraphic traps and reservoir rock characteristics; application of drilling, logging and geophysical techniques to quantify these aspects; correlation techniques including seismic stratigraphy; economics of production. Field excursions of short duration as required, together with practical assignments. Courses: SC30 Credit Points: 12

ESB682 SEDIMENTOLOGY & BASIN ANALYSIS
Principles of fluid flow, flow regimes, sedimentary processes; facies and sequence models for alluvial, deltaic, estuarine, shoreline, shelf, turbidite, lacustrine, carbonate and evaporite depositional systems; how these systems respond to accommodation-space changes induced by changes in tectonic, eustatic and climatic conditions through time; integration of geophysical, geochemical, biostratigraphical, palaeoecological, diagenetic, thermal and other specialist datasets to the process of basin analysis. Involves compulsory field studies and practical exercises in both modem and ancient sedimentary environments. Courses: SC30, ED50 Credit Points: 12

ESB700 PROJECT
This unit involves undertaking, in consultation with a supervisor and through interaction with lecturing and technical staff of the School of Geology, a substantial project in an appropriate area of earth science. The unit provides the opportunity
for students to identify and solve geological problems logically and creatively. Students are required to relate the project work to published work in the field of study, and adopt the style of the Australian Journal of Earth Sciences for the written report. Each project is assessed on the basis of an extensive written report and an oral presentation.

Courses: SC60
Credit Points: 12

■ ESB703 GEOLOGY REVIEWS
Within this unit students develop a written discussion of a geological problem or issue that is comparable to the focus of their own research project. Using available published literature, students critically analyse data and conclusions presented by other researchers in order to synthesise a discussion of the geological issue or case. The report focuses on those geological components that justify its selection as a geological review.

Courses: SC60
Credit Points: 12
Contact Hours: 3 per week

■ ESB704 ADVANCED STUDIES IN EARTH SCIENCE
Provides a selection of coursework appropriate to fourth-level studies in earth science disciplines. The unit has a modular structure that not only accommodates the range of advanced level studies needed to support research projects of individual students but also avoids promoting overspecialisation at the Honours level. From the 4- and 8-credit point modules indicated, students select any combination of modules appropriate to their interests and research project to total 20

Courses: SC60
Credit Points: 12
Contact Hours: 10 per week

■ ESB705 COMPLEMENTARY STUDIES
Provides students with skills that allow them to formulate and write a research proposal, to be capable of reading scientific literature with a view of abstracting critical aspects, and to produce reports that are written in a journal format and at a standard that could lead to publication. The unit also addresses philosophical issues such as ethics, professional integrity and plagiarism, and provides workshops in practical methods relevant to research in geology. These workshops include: (a) SEM unit; (b) Advanced Sedimentology and Stratigraphy [8 credit points]; (b) Advanced Resources Geology [8 cp]; (c) Coastal Zone Hazards [8 cp]; (d) Geochemical Systems: magmatic processes [4cp]; (e) Geochemical Systems: isotopes, fluids and phase equilibria [4 cp]; (f) Global Plate Tectonics [8 cp]; (g) Groundwater Geology and Geochemistry [4 cp]; (h) Mineral Exploration Geophysics [4 cp]; (i) Seismic Exploration Geophysics [4 cp]

Contact Hours: 12

■ ESN100 GLOBAL BUSINESS STRATEGIES
This unit places business strategy and policy firmly in a global context, developing knowledge, analytical understanding and action-taking competencies. The paradigm adopted is that of strategic management: analysis of stakeholders, special emphasis on the global environment and capabilities, strategy formulation, implementation and evaluation. Teaching methodologies emphasise the process of management in a global environment as well as analysis, content and concepts.

Courses: GS70, GS80, GS81
Prerequisites: PG with an UG degree in Business, Commerce or Economics; or 48 credit points from the core of GS81
Credit Points: 12
Contact Hours: 3 per week

■ ESN101 INTERNATIONAL ENVIRONMENT OF BUSINESS
This unit places business in the context of the world system. Business operates in an increasingly international environment and the aim of this unit is to provide a detailed theoretical and practical understanding of that environment, its current and future trends. The focus will be upon: the economic, social and political factors conditioning contemporary international business structures and relations as well as its likely future developments.

Courses: GS70, GS80, GS81
Prerequisites: PG with an UG degree in Business, Commerce or Economics; or 48 credit points from the core of GS81
Credit Points: 12
Contact Hours: 3 per week

■ ESN102 INTERNATIONAL FINANCE & RESOURCE MANAGEMENT
This unit analyses international trade in goods and services in the context of the firm and its management. While it looks at the theoretical foundations upon which trade rests and the financial institutions and mechanisms which facilitate it, it also looks at the practical aspects of export and import activities, foreign investment, and establishing operations in a host country. The unit also discusses the various national and international bodies and agreements which facilitate and regulate trade and financial flows. At the theoretical level, particular topics covered include: the theory of comparative advantage; the balance of payments; the role of tariff and non-tariff trade barriers; international financial markets; international financial management; exchange rate determination; and international banking. At the practical level, particular topics include: terminology; exporters, importers, and foreign investors’ responsibilities; export and import documentation; finance for international product, service, and capital transactions; risk insurance as they relate to foreign transactions.

Courses: GS70, GS80, GS81
Prerequisites: PG with an UG degree in Business, Commerce or Economics; or 48 credit points from the core of GS81 including GSN203
Credit Points: 12
Contact Hours: 3 per week

■ ESN103 INTERNATIONAL HUMAN RESOURCE MANAGEMENT
This unit focuses on the specifically international dimensions of Human Resource Management, principally as they affect...
domestic organisations operating internationally, as well as global, transnational and multinational organisations. Particular reference is given to the management aspects of international HRM. Topics include: the strategic link between international business and international HRM; going international; international labour markets; cross-cultural issues; career management issues; staff performance appraisal and management; compensation; preparation for international experience; compensation, staffing, performance appraisal.

Courses: GS70, GS80, GS81
Prerequisites: PG with an UG degree in Business, Commerce or Economics; or 48 credit points from the core of GS81 including GSN205
Credit Points: 12 Contact Hours: 3 per week

■ GSN104 INTERNATIONAL MANAGEMENT & BUSINESS ORGANISATION

Whereas ‘Business and the International Environment’ is concerned with broad, international trends, this unit aims to provide a detailed examination of typical impacts of the international environment upon organisation: management, structure, work, operations and human resource capabilities. The unit also examines the interface between management/organisation and the external environment of business.

Courses: GS70, GS80, GS81
Prerequisites: PG with an UG degree in Business, Commerce or Economics; or 48 credit points from the core of GS81 including GSN204
Credit Points: 12 Contact Hours: 3 per week

■ GSN105 INTERNATIONAL MARKETING

This unit covers international marketing theory and planning, with a strong applied emphasis. Issues will include the segmentation of international markets, life cycle and contingency approaches to international market entry choice, organisation marketing, channels and market development and extension. Planning issues will focus on the strategic marketing processes involved, including international market research, and their application to regions and countries in the Asia/Pacific, European and North American areas.

Courses: GS70, GS80, GS81
Prerequisites: PG with an UG degree in Business, Commerce or Economics; or 48 credit points from the core of GS81 including GSN206
Credit Points: 12 Contact Hours: 3 per week

■ GSN106 LEADING & MANAGING INTERNATIONALLY

This unit develops both a sensitivity and a skills base to lead and manage effectively in a global setting. The unit explores different patterns of behaviour, custom and practice across the world in order to prepare students for the challenge of leading and managing. Different levels of analyses — individual, group, organisational, industry/regional, societal/cultural — are brought to bear in this exploration.

Courses: GS70, GS80, GS81
Prerequisites: PG with an UG degree in Business, Commerce or Economics; or 48 credit points from the core of GS81
Credit Points: 12 Contact Hours: 3 per week

■ GSN107 MANAGING INNOVATION & ENTERPRISE DEVELOPMENT

The nature and processes of innovation (as applied to factors such as: products, services, technology, delivery, network structures) enterprise creation and development. Assessment of the entrepreneur and new venture team as well as the business opportunity and resource requirements. The unit explores methods of establishing ventures from multidisciplinary perspectives. At the completion of this unit, students will possess the necessary skills and critical insight to contribute to the management of innovation and enterprise development in a global setting.

Courses: GS70, GS80, GS81
Prerequisites: PG with an UG degree in Business, Commerce or Economics; or 48 credit points from the core of GS81
Credit Points: 12 Contact Hours: 3 per week

■ GSN108 INDUSTRY PLACEMENT

Students may proceed to this course of study if they have completed GSN207 Organisational Analysis and Consulting, and if they have arranged an industry placement and project acceptable to the Course Coordinator. The industry placement will take the form of a period of time spent with an organisation and during this period a consulting report will be undertaken.

Courses: GS80, GS81
Prerequisites: PG only; 48 credit points in GS80 or GS81 including GSN207
Credit Points: 48

■ GSN109 INTERNATIONAL PROJECT 1

This project enables students to undertake a piece of applied research with minimal supervision. Students should seek advice from the Course Coordinator regarding their choice of topic.

Courses: GS80
Prerequisites: PG only; 48 credit points in GS80
Credit Points: 12

■ GSN110 INTERNATIONAL PROJECT 2

The project enables students to undertake a significant piece of applied research with minimal supervision. Students should seek advice from the Course Coordinator regarding their choice of topic.

Courses: GS80
Prerequisites: PG only; 48 credit points in GS80
Credit Points: 24

■ GSN200 BUSINESS STRATEGIES

This unit develops a manager’s knowledge, analytical understanding and action-taking competencies. The paradigm adopted is that of strategic management, analyses of stakeholders, environments, capabilities, strategy formulation, implementation and evaluation. Teaching strategies emphasise the process of management as well as analysis, content and concepts.

Courses: GS70, GS80
Prerequisites: PG only; 48 credit points from core of GS81

■ GSN201 GLOBAL BUSINESS NETWORKS

Global communication technologies are developing at a rapid rate. They will undergird the operation of the global economy and change the operation of local business organisations, including the management of information and information flows. The unit examines this development from technological, cultural and business strategy perspectives. Experience with the INTERNET is provided with particular attention paid to its potential to change business fundamentals, issues such as marketing and advertising, strategic alliances, internal and external communication and management of information.

Courses: BS30, GS70, GS80, GS81
Prerequisites: PG only
Credit Points: 12 Contact Hours: 3 per week

■ GSN202 MANAGERIAL ACCOUNTING

This unit, which deals with accounting concepts and principles, includes topics such as development of the profit and loss account and balance sheet, reporting aspects of the balance sheet, asset and liability recognition and management, cost/volume/profit analysis, manufacturing costs, budgeting and managerial decision making.

Courses: BS30, GS70, GS80, GS81
Prerequisites: PG only
Credit Points: 12 Contact Hours: 3 per week

■ GSN203 MANAGERIAL ECONOMICS

This unit examines principles of economics pertinent to managerial decision-making in the domestic and international economic environments. Topic areas include: an introduction to economics, demand analysis and forecasting, cost analysis, market strategy, investment analysis, international trade and the balance of payments. At the completion of the unit, students should be capable of applying economic principles to problems of resource allocation in the firm, in industry and in
the national and international economies. A principal means of achieving the end will be completion of an industry study by each student, and an analysis of the Commonwealth budget strategy.

**Courses:** BS30, GS70, GS80, GS81

**Prerequisites:** PG only

**Contact Hours:** 3 per week

**Incompatible with:** EFN405, EPN102

**GSN204 MANAGEMENT & THE BUSINESS ENVIRONMENT**

This unit provides a broad overview of management and business in national and global contexts. The focus will be on both profit and not-for-profit organisations. It provides the key foundation for subsequent units in the program. The unit acquaints students with the role of the manager and the main concepts, principles and techniques of management. In addition to a general introduction to management, students will explore the nature of business: functions, structures and processes.

**Courses:** BS30, GS70, GS80, GS81

**Prerequisites:** PG only

**Contact Hours:** 3 per week

**Incompatible with:** HRN104

**GSN205 MANAGING HUMAN RESOURCES**

This unit recognises the importance of the management of human resources for organisational effectiveness and quality of work life. It emphasises the relationship between the management of human resources and the business enterprise at a strategic level. Perspectives brought to bear in this examination include strategic, functional and multiple constituency models. Topics include: workforce planning, job analysis, staffing, employer/employee relations, enterprise bargaining, training and development, equity issues, remuneration and career management.

**Courses:** BS30, GS70, GS80, GS81

**Prerequisites:** PG only

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** HRP110

**GSN206 MARKETING**

This unit examines the role of marketing and its place within the firm. It examines key marketing decision areas, including the marketing concept, marketing research, consumer behaviour, marketing segmentation and positioning, product policy, pricing, promotion and distribution. It further examines the place of marketing within the strategic processes of the modern firm and the complexities brought about by an increasingly complex international environment.

**Courses:** BS30, GS70, GS80, GS81

**Prerequisites:** PG only

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** MKN106

**GSN207 ORGANISATIONAL ANALYSIS & CONSULTING**

The ability to analyse organisations and organisational functioning is critical to management effectiveness. It is important to be able to gather data about an organisation and its people in order to better understand it and, where needed, to recommend and guide the implementation of change. Various theoretical models of organisation and organisational analysis, including action research models, are explored. This unit helps students to understand the role of the ‘change agent’ and equips them to perform the role of internal and/or external consultant from initial contact with the client/organisation through to completion, including proposal and report writing. This unit is compulsory for students undertaking industry placements.

**Courses:** BS30, GS70, GS80, GS81

**Prerequisites:** PG with an UG degree in Business, Commerce or Economics; or 48 credit points from the core of GS81

**Credit Points:** 12

**Contact Hours:** 3 per week

**GSN208 PERSONAL DEVELOPMENT & ETHICS FOR MANAGERS**

The focus of this unit is on the individual in interaction. Through it, individuals will identify and develop the competencies, interpersonal and intercultural, required to be an effective global manager. The competencies occur in both cognitive and affective domains at personal, interpersonal and professional levels. The unit also examines influence processes, personal behaviour and ethics, career management issues and reflective practice. Individuals will develop a sophisticated understanding of their personal style of interaction, allowing them to foster a healthy environment and alleviate dysfunctional processes.

**Courses:** BS30, GS70, GS80, GS81

**Prerequisites:** PG only

**Credit Points:** 12

**Contact Hours:** 3 per week

**GSN209 PROFESSIONAL PROJECT 1**

This project enables students to undertake a piece of applied research with minimal supervision. Students should seek advice from the Course Coordinator regarding their choice of topic.

**Courses:** GS81

**Prerequisites:** PG only; 48 credit points in GS81

**Credit Points:** 12

**GSN210 PROFESSIONAL PROJECT 2**

The project enables students to undertake a significant piece of applied research with minimal supervision. Students should seek advice from the Course Coordinator regarding their choice of topic.

**Courses:** GS81

**Prerequisites:** PG only; 48 credit points in GS81

**Credit Points:** 24

**GSN211 DECISION SUPPORT SYSTEMS**

Timely and accurate information is a management resource, and computers can process much of this information to augment and extend a manager’s capacity. The unit provides an understanding of the importance, variety and value of both quantitative and qualitative decision support systems, including a significant emphasis on computer-based information systems such as databases and expert systems from the point of view of systems users rather than of specialist system analysis.

**Courses:** BS81, GS81

**Prerequisites:** PG only

**Credit Points:** 12

**Incompatible with:** MKN105

**HLN405 QUALITATIVE RESEARCH**

Addresses qualitative methodologies and methods pertinent to research in the health sciences.

**Courses:** HL88, HL50, HL52, HL58, NS85, NS64, PU65, PU69

**Credit Points:** 12

**Contact Hours:** 3 per week

**HLN700 THESIS**

The thesis provides students with an opportunity to formally extend and synthesise knowledge gained in earlier semesters in the course. The study represents an independent and original piece of research completed under the guidance of a supervisor.

**Courses:** HL88

**Credit Points:** 48

**HLN701 LITERATURE REVIEW**

This unit provides students with an opportunity to identify a relevant area for further investigation and to undertake a detailed literature review. Student’s gain skills in gathering and analysing up-to-date research literature and synthesising information in a logical and coherent format.

**Courses:** HL88 HL68

**Credit Points:** 12

**HLN702 RESEARCH PROJECT**

An independent and original piece of research completed with the guidance of a supervisor. The project may be a report on research which makes a contribution to knowledge, or a study in which the student critically analyses and appraises existing knowledge and produces observations and conclusion of value to the field concerned.

**Courses:** HL88

**Credit Points:** 24
HLP101 ADVANCED DISCIPLINE READINGS
This unit provides the opportunity for students to identify and review the literature relevant to their selected research topic. A one day seminar in advanced information retrieval skills is included.
Courses: HL50, HL52, HL58
Prerequisites: MAN009 or HLN405
Credit Points: 12

HLP102 RESEARCH SEMINARS
Preparation and completion of a seminar presentation in a professional and scientific manner plus attendance at scheduled seminars.
Courses: HL50, HL52, HL58
Prerequisites: MAN009 or HLN405
Credit Points: 12

HLP103 DISSERTATION
This unit is broken into a number of components which are completed over successive semesters (as appropriate for full-time or part-time course structure). A written report in the form of a dissertation proposal must be submitted by the end of week 6 in the semester in which enrolment in the dissertation commences.
Courses: HL50, HL52, HL58
Corequisites: All other units in Honours program
Credit Points: 48

HMB171 FITNESS HEALTH & WELLNESS
The dimensions and interrelationships of health, physical activity and wellness are studied; basic principles of conditioning and exercise prescription necessary to demonstrate the impact of physical activity on lifestyle diseases, health behaviours and wellness are examined; principles and theory of behaviour change are employed.
Courses: ED43, ED50, ED51, HM42, IF73, ED52
Credit Points: 12
Contact Hours: 3 per week

HMB172 PHYSICAL ACTIVITY, NUTRITION & WEIGHT CONTROL
An introduction to the essential physical growth concepts and an overview of nutritional principles as they apply to physical activity and weight control.
Credit Points: 12
Contact Hours: 4 per week

HMB271 MOTOR CONTROL & LEARNING 1
This is an introductory unit which provides an overview of relevant theories and research in motor learning and control. This is a multidisciplinary perspective which draws on research from neuropsychology, biomechanics and medicine. The overall orientation of the course is towards understanding how we learn different skills and control different actions in both everyday and highly skilled behaviours. This course also examines how damage to the nervous system, either through injury or disease, affects these capabilities. Laboratory work and tutorials complement the lectures and provide an understanding of testing and analytical procedures used in this area.
Courses: ED50, ED51, HM42, IF73
Prerequisites: LSB131, LSB231
Credit Points: 12
Contact Hours: 4 per week

HMB272 BIOMECHANICS
The application of mechanics as they apply to Human Movement including: kinematics and dynamics of human body models; quantitative analysis; impact; work and power; fluid dynamics; material properties.
Courses: ED50, ED51, HM42, IF73
Credit Points: 12
Contact Hours: 4 per week

HMB273 BIOENERGETICS & MUSCLE PHYSIOLOGY IN EXERCISE
This unit, together with its companion (HMB381), addresses central theory and practice in exercise physiology. This unit is integrated around the theme of energy supply and utilisation and deals with the relationship between metabolism (aerobic and anaerobic) and muscle power during exercise. The theory is addressed within the contexts of age, health, disease and athletic performance. Practice complements theory and involves the measurement of mechanical work and power, muscle strength and endurance, energy expenditure during exercise, as well as aerobic and anaerobic capacities.
Courses: ED50, ED51, HM42, IF73
Prerequisites: LSB231 or equivalent
Credit Points: 12
Contact Hours: 3-4 per week

HMB274 FUNCTIONAL ANATOMY
Surface anatomy of the trunk and upper and lower limb: morphological and mechanical properties of bone, muscle-tendon units with implications for physical activity; joint structure and function; analyses of movement tasks including walking and running; cinematography and electromyography in functional anatomy of movement tasks.
Courses: ED50, HM42, ME46, IF73, ED51
Prerequisites: LSB131
Credit Points: 12
Contact Hours: 4 per week

HMB275 EXERCISE & SPORT PSYCHOLOGY
Introduction to the psychological factors which influence performance, participation and adherence to both sport and exercise programs; personality and the athlete; attention and arousal; relaxation theory and practice; aggression and psycho-social development, leadership and team cohesion.
Courses: ED50, HM42, IF73
Prerequisites: SSB912 or equivalent
Credit Points: 12
Contact Hours: 3 per week

HMB276 RESEARCH IN HUMAN MOVEMENT
Principles of research: purposes, philosophy, applications. Quantitative research: principles of test construction and administration; basic statistics; basic research design hypotheses testing. Qualitative research: methodology; data collection; theory building. Research presentation: writing a research report; developing conclusions. Application of research; examples in human movement; related literature.
Courses: ED50, HM42, IF73
Credit Points: 12
Contact Hours: 4 per week

HMB301 HEALTH & PHYSICAL EDUCATION 1
The nature, scope and importance of health and physical education as part of the primary school curriculum. Content includes: concepts and content incorporated in the philosophy of health education and the importance of lifelong healthy living; the structure, management and evaluation of physical education lessons in the school environment; planning learning experiences and developing health and physical education program modules.
Courses: ED51
Credit Points: 12
Contact Hours: 5 per week

HMB302 HEALTH & PHYSICAL EDUCATION 2
This unit builds on HMB301 to give a greater understanding of the nature of health education and physical education as applied curriculum areas. Further insight into relevant syllabus and curriculum documents is provided; competencies in planning and teaching developed; close links with teaching practice.
Courses: ED51
Credit Points: 12
Contact Hours: 3 per week

HMB304 PHYSICAL ACTIVITY & MODERN SOCIETY
The nature of the symbiotic relationship between social patterns and the nature and role of physical activity and its influence upon physical education, sporting and fitness programs in primary schools. The importance of both social and cultural change and of the role of teachers in the design and implementation of such programs.
Courses: ED51
Credit Points: 12
Contact Hours: 3 per week

HMB305 PERSONAL HEALTH
An examination of the range of factors influencing personal health including lifestyle and a range of social, economic and...
environmental factors. A holistic perspective on personal health.

**Courses**: ED50, ED51  
**Credit Points**: 12  
**Contact Hours**: 3 per week

### HMB306 DEVELOPMENTAL & INTEGRATED PHYSICAL ACTIVITY
Provides the theoretical basis to enable teachers of physical education to program and implement physical activity for all children. Topics include: normal motor development and variations in these patterns in children with an intellectual, sensory, neurological, physiological or orthopaedic disability. Students taking this unit participate in the community based physical activity programs for such children.

**Courses**: ED51  
**Credit Points**: 12  
**Contact Hours**: 3 per week

### HMB308 PHYSICAL ACTIVITY STUDIES
An overview of the breadth of the exercise science field with reference to the structure and function of the human body and key issues associated with the development of health related and motor fitness.

**Courses**: ED51  
**Credit Points**: 12  
**Contact Hours**: 3 per week

### HMB310 PHYSICAL EDUCATION CURRICULUM STUDIES 1
The nature of physical education as an applied curriculum area. Insights into relevant Queensland syllabus and curriculum documents are provided; competencies in planning and teaching are developed and close links are made with teaching practice.

**Courses**: ED50, ED54, IF73  
**Contact Hours**: 3 per week

### HMB313 SOCIO-CULTURAL FOUNDATIONS OF PHYSICAL ACTIVITY
Lays a foundation in the disciplines of the socio-cultural areas which underpin the study of human movement. It serves as an introduction to the historical, sociological, philosophical, anthropological and cultural foundations of sports, games and leisure activities.

**Courses**: ED50, ED51, HM42, IF73  
**Credit Points**: 12  
**Contact Hours**: 4 per week

### HMB314 PERFORMANCE SKILLS 1
Involves application of scientific principles to the analysis and development of techniques in all major swimming strokes, water rescue methods and track and field events. Students explore instructional strategies, motivational, conditioning and training activities, the development of activity programs for various ability levels and event rules application.

**Courses**: ED50, ED51, IF73  
**Credit Points**: 12  
**Contact Hours**: 6 per week

### HMB315 PERFORMANCE SKILLS 2
Various game forms are analysed in order to identify fundamental game skills and problem areas in skill development. Emphasis is placed on the application of relevant skills to suit game situations; of appropriate strategies for teaching and coaching selected sports to a variety of age groups and on the interpretation of rules in a competitive situation.

**Courses**: ED50, ED51, IF73  
**Credit Points**: 12  
**Contact Hours**: 6 per week

### HMB316 PERFORMANCE SKILLS 3
Basic theoretical principles fundamental to the performance and teaching of gymnastics and dance; physical fitness and basic biomechanical principles of excellence in gymnastics; routines incorporating a variety of gymnastic and dance skills on floor/apparatus; recognise/remedy of unsafe practices.

**Courses**: ED50  
**Credit Points**: 12  
**Contact Hours**: 6 per week

### HMB317 OUTDOOR EDUCATION
The value and place of outdoor education in schools and the community; development of proficiency in a number of outdoor pursuits; lightweight, minimum impact camping; leadership skills and safety techniques; the Australian natural environment; promotion of positive attitudes towards natural environments.

**Courses**: ED50  
**Prerequisites**: HMB314 or with consent of unit coordinator  
**Credit Points**: 12  
**Contact Hours**: 6 per week

### HMB321 SPORT IN SOCIETY
The relationship between sport and the social world. The nature and importance of the role of sport in modern Australian society through an analysis of such contemporary issues and developments in sport as drugs in sport, sport and the law, violence in sport, equity and sport, and sport and socialisation.

**Courses**: BS50, ED50, IF73  
**Prerequisites**: Relevant performance skills subjects  
**Credit Points**: 12  
**Contact Hours**: 3 per week

### HMB324 ADVANCED PERFORMANCE LABORATORIES
Investigation of selected advanced theoretical structures and application to a performance activity.

**Courses**: ED50  
**Prerequisites**: Relevant performance skills subjects  
**Credit Points**: 12  
**Contact Hours**: 3 per week

### HMB328 INTERNATIONAL PHYSICAL EDUCATION & SPORT
Provides students with an international perspective on physical education and sport. Comparative studies in this field give insight into life in other countries and act to enhance international understanding of the global village.

**Courses**: ED50  
**Prerequisites**: HMB394 or HMB321 or consent of lecturer  
**Credit Points**: 12  
**Contact Hours**: 3 per week

### HMB329 PLAY & CULTURE
A study of the play element in non-literate societies providing insight into play in contemporary societies. The anthropology of play provides a perspective not only for analysing play behaviour itself, but also for describing other cultural experience.

**Courses**: ED50  
**Prerequisites**: HMB313 or consent of lecturer  
**Credit Points**: 12  
**Contact Hours**: 3 per week

### HMB332 HEALTH RELATED FITNESS
This unit provides a forum for a review of selected classic and recent literature representing the growing body of evidence and the arguments supporting the relationships between physical activity and chronic disease and the relationships between physical activity, fitness and optimal health. Special attention is given to the question of “How much is enough?” to achieve health enhancement. Application of this knowledge is made within the school, community and personal lifestyle contexts.

**Courses**: ED50, ED51, IF73  
**Credit Points**: 12  
**Contact Hours**: 6 per week

### HMB333 CHILD & ADOLESCENT HEALTH
Child and adolescent health and the wide range of factors that impact on the health of individuals in these two crucial stages of life. An analysis is made of skills required for health-enhancing behaviours and experience provided in some of the skills needed to assess and maintain the health status of children.

**Courses**: ED50, ED51, IF73  
**Credit Points**: 12  
**Contact Hours**: 3 per week

### HMB337 ORGANISATION & MANAGEMENT IN PHYSICAL EDUCATION & SPORT
School physical education departments and sporting associations are medium-sized organisations requiring direction for servicing a large client base with a fluctuating budget. Students examine the role of administrators, management and leadership styles, and the administration of monies, facilities and human resources in a sports setting.
Courses: ED50, IF73
Credit Points: 12
Contact Hours: 3 per week

**HMB340 PHYSICAL EDUCATION CURRICULUM STUDIES IB**

Designed for those students who have chosen to do a double major in physical education, this unit extends the understanding developed in HMB310 and focuses particularly on teaching within the classroom setting. Students are introduced to strategies used to develop higher order thinking skills and are encouraged to experiment with their use.

Courses: ED50, ED54
Credit Points: 12
Contact Hours: 3 per week

**HMB341 SPORTING & OUTDOOR EDUCATION ADMINISTRATION**

The primary school physical educator and class teacher is responsible for the organisation of educational programs both at school and in other education and sporting settings. This unit assists students in understanding and organising a variety of sporting tournaments, carnivals and outdoor education.

Courses: ED51
Credit Points: 12
Contact Hours: 3 per week

**HMB342 THE DEVELOPMENT OF TEACHING SKILLS IN PHYSICAL EDUCATION**

Designed around micro-teaching and involving student teachers, children and their working environment in schools, this unit promotes excellence in teaching, preparation and planning with an emphasis on active learning and research. Physical education teacher education students develop a greater understanding of their prospective working environment.

Courses: ED51, IF73
Credit Points: 12
Contact Hours: 3 per week

**HMB343 ENVIRONMENTAL HEALTH**

The focus of this unit is on educational responses to the growing concern about environmental hazards and their detrimental effects on human health. Emphasis on the curricular implications of knowledge will assist children to make a positive contribution to health policy.

Courses: ED51, IF73
Credit Points: 12
Contact Hours: 3 per week

**HMB344 HUMAN RELATIONSHIPS EDUCATION**

This unit has a dual focus: effective interpersonal communication by teachers as members of the school community; and the curriculum and pedagogical process for teaching children. Care, personal development, work experience and community-based learning characterise these curriculum programs. Students are introduced to these processes through lectures, seminars, workshops and appropriate field study experiences.

Courses: ED51, IF73
Credit Points: 12
Contact Hours: 3 per week

**HMB345 MOTOR DEVELOPMENT & PERFORMANCE IN DISABLED CHILDREN**

Examination of the effects of a wide range of intellectual, sensory, neurological, orthopaedic and physiological disorders on the motor development and performance of children. Assessment and techniques for evaluating motor development and performance are combined with program planning and implementation with specific cases.

Courses: ED51, IF73
Credit Points: 12
Contact Hours: 3 per week

**HMB361 FUNCTIONAL ANATOMY 2**

A project-based unit designed to enable students with a background in Functional Anatomy to develop greater expertise in one or a combination of the following areas: electromyography, orthopaedic biomechanics, kinesiology of sport and work, comparative functional anatomy, locomotion and posture and research techniques in functional anatomy.

Courses: HM42, IF73
Prerequisites: HMB274
Credit Points: 12
Contact Hours: 3 per week

**HMB362 BIOMECHANICS 2**

Measurement techniques within biomechanics; analysis of force systems; photographic, goniometric and electrographic analysis of movement; an introduction to viscoelasticity and biological materials; material properties; mass and inertial characteristics of the human body; applied aspects of biomechanics undertaken from a research project perspective.

Courses: HM42, ME46, IF73
Prerequisites: HMB272
Credit Points: 12
Contact Hours: 4 per week

**HMB363 INDEPENDENT STUDY**

To meet the specific interest of students beyond content offered within existing units; conceptualise, plan and execute a research study including survey of literature, development of an action plan, reflection on a practice or situation, and proposal for future action. The student works at an advanced level and autonomously under the supervision of a lecturer.

Courses: ED50, HM42, IF73
Prerequisites: Consent of Course Coordinator
Credit Points: 12
Contact Hours: 4 per week

**HMB364 SEMINARS IN HUMAN MOVEMENT**

Offered to capitalise on the expertise of resident or visiting staff, special needs and interests of students, and to create flexibility in unit offerings. These may include special expertise, high quality limited period research projects, seminars, conferences and new initiatives by staff and students. An interest group will study the area chosen cooperatively.

Courses: ED50, ED51, HM42, IF73
Prerequisites: Consent of Course Coordinator
Credit Points: 12
Contact Hours: 4 per week

**HMB370 PHYSICAL EDUCATION CURRICULUM STUDIES 2**

The focus of this unit is divided between issues and directions of current trends in curriculum development and advanced strategies used to achieve variety in the presentation of indoor and outdoor lessons.

Courses: ED50, ED54
Prerequisites: HMB310
Credit Points: 12
Contact Hours: 3 per week

**HMB371 MOTOR CONTROL & LEARNING 2**

Major recent theories in motor control and learning; centralist and peripheralist theories; concepts of coordination and skill; control and learning of complex movements; interlimb coordination; interacting schemata; visual-spatial, force and temporal aspects and sequencing of complex movements. Research design in motor control and learning.

Courses: ED50, HM42
Prerequisites: HMB271
Credit Points: 12
Contact Hours: 4 per week

**HMB372 BIOPHYSICAL BASES OF MOVEMENT REHABILITATION**

Overview of rehabilitation including medico-legal aspects; health professionals in the rehabilitation process; exercise specialist, medical practitioner, physiotherapist, specialist physician; exercise prescription: overview of responses to injury implications for exercise programs; modalities of treatment: exercise and rest; immobilisation, cryotherapy and hydrotherapy; exercise prescription rehabilitation.

Courses: ED50, HM42, IF73
Prerequisites: HMB271, HMB272, HMB273, HMB274
Credit Points: 12
Contact Hours: 4 per week

**HMB374 PSYCHOLOGY OF REHABILITATION**

Factors that predispose to injury and behavioural change; the psychological process of rehabilitation; teaching specific psychological rehabilitation and coping strategies; the grief process; the rehabilitation psychologist’s role in the rehabilitation team; disabled athletes.

Courses: ED50, HM42, IF73
Prerequisites: HMB271, HMB272, HMB273, HMB274
Credit Points: 12
Contact Hours: 4 per week

**HMB375 ADAPTED PHYSICAL ACTIVITY**

Similarities and differences in the motor development and performance with intellectual, sensory, neurological, physiological, orthopaedic, musculo-skeletal and cardio-respiratory conditions; assessment and programming for individuals with impairments including program organisation and service deliv-
The planning, development, promotion, perspective are analysed in conjunction with the role of workplace policies, programs and union, employer and employee participation including competitive stress; injuries to the growing skeleton: overtraining, overuse injuries; strength training in childhood and adolescence; promotion of safety in sport; accreditation of teachers and coaches, policy guidelines for junior sport, Aussie sport program.

Courses: ED50, HM42, IF73
Credit Points: 12
Contact Hours: 4 per week

HMB377 CHILDREN IN SPORT
Physical development of the young athlete; physical maturation; benefits of participation in sport and physical activity; psycho-social issues: positive and negative effects of participation including competitive stress; injuries to the growing skeleton: overtraining, overuse injuries; strength training in childhood and adolescence; promotion of safety in sport; accreditation of teachers and coaches, policy guidelines for junior sport, Aussie sport program.

Courses: ED50, HM42, IF73
Credit Points: 12
Contact Hours: 4 per week

HMB380 PHYSICAL EDUCATION CURRICULUM STUDIES 2B
This unit is designed for those students doing a double major in physical education and focuses particularly on the areas of assessment and the use of action research in curriculum innovation. Students are required to undertake individual projects which allow them to practise critical reflection and autonomous learning in their pursuit of knowledge.

Courses: HM340
Credit Points: 12
Contact Hours: 3 per week

HMB381 CARDIOVASCULAR & PULMONARY PHYSIOLOGY IN EXERCISE
This unit is the companion to HMB273, and continues the theme of energy supply and utilisation during exercise around which aspects of cardiovascular and pulmonary physiology are integrated. These aspects include the control and distribution of blood flow through the macro and microvasculature, the heart and haemodynamics, the control and function of the pulmonary system, and concludes with an integration of the physiology covered in this unit and HMB273 within the context of exercise in the heat. The theory is also addressed within the contexts of age, health, disease and athletic performance. Practice complements theory and includes the measurement of heart rate, blood pressure and lung function, as well as exercise capacities such as the ‘anaerobic threshold’ and maximal oxygen consumption.

Courses: HM42, IF73
Credit Points: 12
Contact Hours: 3.4 per week

HMB382 EXERCISE PRESCRIPTION
Students research and analyse the physiological methods and procedures used in training and conditioning programs of all forms and levels of physical activity. The conditioning needs of specific populations are studied. The application of fitness assessment and exercise prescription is an integral aspect.

Courses: ED50, HM42, IF73
Credit Points: 12
Contact Hours: 4 per week

HMB383 WORKPLACE HEALTH
The historical and current position of workplace health as one emerging focus of occupational health and safety. Issues, laws, policies, programs and union, employer and employee perspective are analysed in conjunction with the role of workplace health professionals. The planning, development, promotion, implementation, administration and evaluation of programs from a fitness counsellor’s perspective.

Courses: ED50, HM42, IF73
Credit Points: 12
Contact Hours: 4 per week

HMB384 INJURY PREVENTION & REHABILITATION
Roles and responsibilities of health professionals: first aid, injury prevention, rehabilitation, health training and facility management; prevention of injury: conditioning and fitness components, methods of evaluation of performance, personal responsibilities, protective equipment: types of injury: prone, secondary (indirect, direct and overuse) and secondary; structural classification of injury; procedures for management and rehabilitation: specific injuries.

Courses: ED50, HM42, IF73
Credit Points: 12
Contact Hours: 4 per week

HMB390 HEALTH EDUCATION CURRICULUM STUDIES 1
The nature of health education as an applied curriculum area. Insights into relevant Queensland syllabus and curriculum documents are provided; competencies in planning and teaching are developed and close links are made with teaching practice.

Courses: ED50, ED54, IF73
Credit Points: 12
Contact Hours: 4 per week

HMB391 PROMOTION OF PHYSICAL ACTIVITY
Physical education departments, schools and sports organisations are constantly seeking funds, participants and spectators, and often the limiting factor is the low profile of the groups concerned. In this unit students examine the role of marketing and promotion, identify client and market mix, and develop strategies for the promotion and funding of activities.

Courses: BS50, ED50, IF73
Credit Points: 12
Contact Hours: 3 per week

HMB393 SPORT & EQUITY
The inequalities that exist in society’s major institutions, with particular reference to sport and physical education. The development of knowledge of government policy and legislation regarding equity in public, private and corporate establishments, as well as within educational settings.

Courses: BS50, ED50
Credit Points: 12
Contact Hours: 3 per week

HMB394 HISTORY OF PHYSICAL EDUCATION & SPORT
The historical evolution of physical education, sports and games with their role and relevance in societies past and present. It extends the historical focus of HMB313 and itself provides the foundation for contemporary analyses of sport in society.

Courses: BS50, ED50
Credit Points: 12
Contact Hours: 3 per week

HMB395 HEALTH EDUCATION CURRICULUM STUDIES 2
The focus of this unit is divided between issues and directions associated with current trends in curriculum development and advanced strategies used to achieve variety in the presentation of health lessons.

Courses: ED50, ED54, IF73
Credit Points: 12
Contact Hours: 3 per week

HMB410 PHYSICAL EDUCATION CURRICULUM: SECONDARY
The factors responsible for current physical education curriculum development. Emerging trends are studied to highlight the implications for physical education programs; challenges the student to design a secondary curriculum that reflects current trends.

Courses: ED26, ED32
Credit Points: 12
Contact Hours: 3 per week
HMB411 PHYSICAL EDUCATION CURRICULUM: PRIMARY
The notion of the teacher of physical education and the classroom teacher reflecting on their experiences is of prime importance to the nature of this unit. An examination of the principles and procedures which are used within the physical education curriculum and the individual’s classroom is central to the outcome. Action research methods are explained and linked to the sociological qualities of current curriculum practices. These issues relate to individual relationships within the physical education settings.
Courses: ED26, ED31
Credit Points: 12
Contact Hours: 3 per week

HMB412 HEALTH EDUCATION CURRICULUM PLANNING
Analysis and application of curriculum design theory and curriculum research to health education in primary and secondary schools. A focus on a curriculum design project is supported with a situational analysis of the project setting and is evaluated in a report on the effectiveness of the process.
Courses: ED26
Credit Points: 12
Contact Hours: 3 per week

HMB440 MOTOR DEVELOPMENT & LEARNING IN CHILDREN
The role of reflexes and early voluntary movements in the development of the child; fundamental patterns of movement (walking, running, jumping, throwing, catching) and their sequential development; development of comprehension and manipulation; theories of motor learning; evaluation of perceptual-motor, sensory-motor and psychomotor theories.
Courses: ED26
Credit Points: 12
Contact Hours: 3 per week

HMB441 SOCIOLOGY OF SPORT
A sociology of sport; historical and contemporary perspectives; sport in Australia; Australia’s sporting heritage; corruption of sport; control of sport; media and sport; inequality in sport; social issues in sport.
Courses: ED26
Credit Points: 12
Contact Hours: 3 per week

HMB442 ADMINISTRATION IN PHYSICAL EDUCATION & SPORT
Identification of duties of the administrator; administration theory; leadership styles and conflict resolution; budgeting and money management including sponsorship and fundraising; planning for a range of events; processes and procedures of management against a school and club setting.
Courses: ED26
Credit Points: 12
Contact Hours: 3 per week

HMB471 PROJECT 1
Students in the Bachelor of Applied Science are required to undertake a project in Year 4. Students work in small groups on original topics. Work includes: a literature review and the presentation of experimental hypotheses, research methodology and analysis procedures. Groups present a formal colloquium at the end of Semester 1.
Courses: HM42
Credit Points: 12

HMB472 PROJECT 2
The implementation of the plan, the analysis of results and publication of a report. Groups present a formal colloquium at the end of Semester 2.
Courses: HM42
Credit Points: 12

HMB475 PRACTICUM
A comprehensive vocational experience undertaken as a supervised full-time internship. Student are supervised in the performance of operational tasks including management and administration and further develop independent professional skills and knowledge. The internship is followed by a comprehensive reflective analysis of the experience.
Courses: HM42
Credit Points: 12

HMB480 EXERCISE PRESCRIPTION FOR SPECIAL POPULATIONS
The unit considers how exercise and when appropriate nutritional prescription can be of benefit to populations and individuals in which functional capacity is reduced due to disease. It therefore extends the understanding of how exercise testing and prescription can be applied to special cases and conditions.
Courses: HM42, HL88, HL38, HL68
Prerequisites: HMB382
Credit Points: 12
Contact Hours: 4 per week

HMB410 CLINICAL MEASUREMENT
Blood flow and volume, plethysmography; cardiorespiratory measurement; electrical impedance imaging; anthropometry and body composition; measurement of normal and pathological gait; kinematic and kinetic analyses of human movement and performance; functional evaluation of orthotics and prostheses; electromyography; ergonomic and environmental issues; measurement of special populations.
Courses: ME46
Prerequisites: HMB272, HMB274
Credit Points: 8
Contact Hours: 3 per week

HMB411 HUMAN PERFORMANCE
Human adaptation to physical activity; performance efficiency and enhancement in children and adolescents; performance characteristics of adults and the elderly; human performance and the environment; performance evaluation and restoration/enhancement in the injured or disabled population.
Courses: ME46
Prerequisites: HMB272, HMB274, HMB615
Credit Points: 8
Contact Hours: 3 per week

HMB414 BIOPHYSICAL BASES OF MOVEMENT REHABILITATION
The rehabilitation process; introduction to rehabilitation protocols; mechanisms of injury and repair and functional restoration; principles of exercise prescription and rehabilitation; modalities of treatment; modalities of exercise prescription in rehabilitation.
Courses: ME46
Credit Points: 8
Contact Hours: 3 per week

HMB415 EXERCISE PHYSIOLOGY
Bioenergetics; exercise metabolism; hormonal response to exercise; muscle structure and function; circulatory adaptations, respiration and acid-base balance during exercise; temperature regulation, training and conditioning; body composition and nutrition; fitness testing and assessment procedures.
Courses: ME46
Credit Points: 8
Contact Hours: 3 per week

HMB416 PSYCHOLOGY OF REHABILITATION
Factors that predispose to injury and behavioural change; the psychological process of rehabilitation; teaching specific psychological rehabilitation and coping strategies; the grief process; the rehabilitation psychologist’s role in the rehabilitation team; disabled athletes.
Courses: ME46
Credit Points: 8
Contact Hours: 3 per week

HMB417 WORKPLACE HEALTH
History of workplace health; legal aspects; role of associated professionals; trends in mortality and morbidity; workplace health promotion agencies and programs; planning, development, promotion, implementation and evaluation process.
Courses: ME46
Credit Points: 8
Contact Hours: 3 per week

HMB801 SPORT & MASS MEDIA
The commercialisation and development of sport and the mass media are inextricably linked and the nature and implications of this relationship are the foundation for the investigation of this unit. Examination of the past, present and future aspects of this relationship through examination of current issues.
Courses: BS50
Credit Points: 12
Contact Hours: 3 per week

HMB802 STRUCTURE & POLICY OF AUSTRALIAN SPORT
An understanding of the structure and policies of Australian sport is fundamental for administrators who are required to
operate through the levels of government for the conduct, promotion and funding of their chosen sport. The relevant documentation and strategies for operating within the system.

**Courses:** BS505  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**HM8862 BIOMECHANICS OF HUMAN MOVEMENT**

Measurement techniques within biomechanics; analysis of force systems; photographic, goniometric and electro graphic analysis of movement; an introduction to viscoelasticity and biological materials; materials properties: mass and inertial characteristics of the human body; applied aspects of biomechanics undertaken from a research project perspective.

**Courses:** ME46  
**Credit Points:** 8  
**Contact Hours:** 4 per week

**HMN601 EXERCISE & HEALTH ACROSS THE LIFESPAN**

Physical activity is almost universally accepted as being relevant to health, although the pattern of activity (nature, intensity, frequency and duration of individual exercise bouts, cumulative years of participation) required to induce maximum health benefits remains uncertain. Exercise throughout the lifespan and the implications for good health.

**Courses:** HL88, HL68, HL38  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**HMN602 READINGS IN HUMAN MOVEMENT STUDIES**

Enables students to explore the breadth of their chosen sub-discipline in contrast to the more specific focus of their thesis topic to follow. Provides the opportunity for students to develop a compendium of readings in an area(s) not catered for in other units comprising their specialisation. Students select advanced readings in their chosen field and submit a comprehensive annotated bibliography that critically reviews the available literature. This work is conducted under the supervision of a lecturer allied to the chosen area of study.

**Courses:** HL88, HL68, HL38  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**HMN604 SOCIAL ISSUES IN PHYSICAL ACTIVITY**

An advanced in-depth analysis of the diverse social issues which have permeated sport in Australia. The requirement for a critical cultural analysis has been necessitated by issues such as discrimination, violence, drugs, elitism, ethnocentrism, internationalism, politicisation, commercialisation and quantification. The focus is on the analysis of the nature, role and significance of sport in modern society. Designed for professionals and practitioners in the field of sport and physical activity who are in the corporate setting, educational domain and government and community departments.

**Courses:** HL88, HL68  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**HMN605 PHYSICAL ACTIVITY IN DISEASE**

This unit provides the opportunity to develop theoretical and practical knowledge of selected topics representative of the scientific bases of human performance. Topics to be addressed will include material from the recognised sub disciplines of human movement science, functional anatomy, biomechanics, and exercise physiology. Specific emphases will be dependent upon staff availability. The unit investigates changes in the human energy systems, musculo-skeletal system and cardiovascular system that occur when the body is placed in a physically stressful situation (exercise being the predominant stressor considered). Specific emphasis will be placed on a variety of applications to the physical activity setting.

**Courses:** HL88, HL68, HL38  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**HMP401 PHYSICAL EDUCATION CURRICULUM STUDIES 1**

Nature of physical education as an applied curriculum area; interpreting and managing the physical education practical and theoretical learning environment with particular attention to learner safety, maximum participation and teaching for cognition in practical activities; Mosston’s spectrum of teaching styles.

**Courses:** ED32, ED37  
**Prerequisites:** HMP420  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**HMP402 PHYSICAL EDUCATION CURRICULUM STUDIES 2**

Clarification of the motives and roles of physical education as a medium for education; exploration of the current physical education documents and the value orientations implicit within: language in physical education; the affective domain in physical education; teaching in unusual environments; evaluation and selection of learning experiences.

**Courses:** ED32, ED37  
**Prerequisites:** HMP421  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**HMP403 HEALTH EDUCATION CURRICULUM STUDIES 1**

Nature of health education as an applied curriculum area; relevant Queensland syllabus and curriculum documents; competencies in planning and teaching are developed and close links made with teaching practice.

**Courses:** ED32, ED37  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**HMP404 HEALTH EDUCATION CURRICULUM STUDIES 2**

Issues and directions associated with current trends in curriculum development; advanced strategies used to achieve variety in the presentation of health lessons.

**Courses:** ED32, ED37  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**HMP501 NUTRITION & PHYSICAL ACTIVITY FOR SPECIAL POPULATIONS**

Specific health benefits derived from participation in regular physical activity are equally important for individuals with chronic medical conditions and the normal population. This unit considers the important nutritional issues associated with exercise and sport with direct reference to the special nutritional needs of individuals with a disability.

**Courses:** HL88, HL68, HL38  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**HMP502 EXERCISE & WEIGHT CONTROL**

This unit covers the role of physical activity in the maintenance of desirable body composition, body composition assessment methods, and a detailed appraisal of the current status of exercise and diet in the prevention and management of body composition.

**Courses:** HL88, HL68, HL38  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**HMP505 CLINICAL MEASUREMENT**

Measurement of normal and pathological gait, kinematic and kinetic analyses of human movement and performance, function evaluation of orthotics prostheses, electromyography, bioelectrical impedance and imaging techniques, cardiovascular measurement, measurement of special populations.

**Courses:** HL88, HL68, HL38  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**HMP507 EXERCISE & SPORT PSYCHOLOGY**

Outline of the major psychosocial factors which influence participation, motivation and adherence to programs of exercise, sport or physical activity. Theoretical perspective of competition, cooperation, stress, relaxation and aggression in exercise and sport.

**Courses:** HL88, HL68, HL38  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**HUB807 HEALTH & ETHICS**

An introduction to ethics within a health care context. Particular focus on the role of health care educators exploring the ethical challenges confronting them and the ways in which they may cultivate moral sensitivity as part of community ‘well-being’.
Courses: ED50  
Credit Points: 12  
Contact Hours: 3 per week

**HUB008 RESEARCH METHODS IN ETHICS & BIOETHICS**

Health care practice, including that of nursing practice, is both constituted by ethical values and embedded in a broader area of social provision, that of health care, where ethical concerns and dilemmas are constantly emerging. Consequently, the areas of health care ethics, bioethics and nursing ethics challenge the contemporary health care professional as a reflective practitioner and provide an emerging focus of postgraduate and professional research. This unit has been designed for those who plan to pursue postgraduate research in an area of applied ethics or bioethics or for those health care professionals who wish to develop a further expertise in their grasp of the ethical dimension to health care practice.  
Courses: NS40, NS48  
Credit Points: 12  
Contact Hours: 3 per week

**HUB009 ETHICS LAW & HEALTH CARE**

Nursing practice involves making decisions with and for others which necessarily involve making evaluations of what is in the best interest of others, what are nurses’ obligations to others and what will best protect or enhance their well-being. Hence, decision-making in nursing practice is bounded by normative considerations and these normative considerations fall into two groups: those constituted by the law and those constituted by ethics. This unit has been designed to provide for nursing students and practitioners an opportunity to develop a reflective understanding of the place of law and ethics in nursing and a professional awareness of current legal statutes and ethical discussions as they apply to nursing practice.  
Courses: NS40, NS48  
Credit Points: 12  
Contact Hours: 3 per week

**HUB201 THE NATURAL ENVIRONMENT**

The geomorphological systems which are creating the surface of the earth and with which human systems interact; the probable effects of the interaction of human and physical systems.  
Courses: ED50  
Credit Points: 12  
Contact Hours: 3 per week

**HUB202 HUMAN GEOGRAPHY**

The nature and purpose of geography in terms of its conceptual structure and enquiry approaches; technologies, methods, skills used by geographers.  
Courses: ED50, HU20, IF36  
Contact Hours: 3 per week

**HUB207 ENVIRONMENTAL HAZARDS**

The nature of hazard, risk and disaster; origins of hazards; nature of disaster; influences on the perception of risk; disaster prediction, preparation, response and recovery strategies.  
Courses: ED50  
Prerequisites: HUB201  
Credit Points: 12  
Contact Hours: 3 per week

**HUB600 AUSTRALIAN SOCIETY & CULTURE**

Historical, political, economic and cultural information about Australia and Australians; egalitarianism; religion, frontiers and rural Australia; the historical and future role of technology in Australia.  
Courses: ED50, HU20, IF36  
Credit Points: 12  
Contact Hours: 3 per week

**HUB601 HUMAN IDENTITY & CHANGE**

What it means to be human; ways human identities (e.g. cultural, sexual, professional) are created and transformed; issues of identity, morality and change confronting human units in their encounters with the demands of contemporary life.  
Courses: HU20, IF36  
Credit Points: 12  
Contact Hours: 3 per week

**HUB610 APPROACHES TO ASIA/PACIFIC STUDIES**

General introduction to the history and emerging political economy of the Asia/Pacific region; historical core/periphery structures; the ascent and decline of powerful imperial and new Asian cores such as Japan; systemic and anti-systemic movements and Australia’s particular role in this region.  
Courses: ED50, ED51, HU20, IF36  
Credit Points: 12  
Contact Hours: 3 per week

**HUB612 MODERN INDONESIAN STUDIES**

An understanding of contemporary Indonesia; regional political and economic influences including ASEAN; domestic politics; demographic issues; Australia-Indonesian relationships.  
Courses: ED50, ED51, HU20, IF36  
Credit Points: 12  
Contact Hours: 3 per week

**HUB617 WOMEN, AID & DEVELOPMENT**

Challenges existing notions of development; evaluates current models of development and aid in terms of their implications for women; suggests that real development for women and their dependants requires a woman-centred approach.  
Courses: ED50, HU20, IF36  
Credit Points: 12  
Contact Hours: 3 per week

**HUB618 ASIAN WOMEN: TRADITION, COLONISATION & REVOLUTION**

Uses case studies to provide a broad analysis of Asian women’s experiences of tradition, colonialism and revolution; highlights the linkages between traditional culture, colonialism and revolution; provides an appreciation of both the historical experiences and some of the contemporary concerns of Asian women.  
Courses: ED50, HU20, IF36  
Credit Points: 12  
Contact Hours: 3 per week

**HUB619 PACIFIC CULTURE CONTACT**

Key concepts including mobility, religion, morality, leadership, civilisation, society, change and continuity; develops an appreciation of culture and sensitivity towards those groups or individuals who do not share a particular cultural heritage; case studies and comparative analysis focus on the people of the Pacific at the time of initial European contact.  
Courses: ED50, HU20, IF36  
Credit Points: 12  
Contact Hours: 3 per week

**HUB620 THE PACIFIC SINCE 1945**

Analyses the link between culture and history in a post-contact context of change and continuity in the contemporary Pacific; overviews the events since 1945 that are important in the lives of Pacific Island people; presents key concepts including mobility, adaptation, change, tradition, continuity, modernisation, conflict and independence.  
Courses: ED50, HU20, IF36  
Credit Points: 12  
Contact Hours: 3 per week

**HUB621 NORTH AMERICAN STUDIES**

A comparative approach to the histories of Canada, the United States and Mexico; key themes include patterns of early settlement, the development of political institutions, the treatment of minorities, and the interaction of these three nations up to the present.  
Courses: ED50, HU20, IF36  
Credit Points: 12  
Contact Hours: 3 per week

**HUB622 LATIN AMERICAN STUDIES**

Uses case studies dealing with Latin American history and political economy from pre-conquest period to the present day; focuses on US/Latin American relations and contemporary systemic/anti-systemic cases such as the national security state doctrines of authoritarian Chile/Argentina and radical Cuba and Nicaragua.  
Courses: ED50, HU20, IF36  
Credit Points: 12  
Contact Hours: 3 per week

**HUB623 ASIA/PACIFIC POLITICAL STUDIES**

Studies the structural and ideological bases of Asia/Pacific leading countries within a broad world system overview; special emphasis on political models of development and cultural studies; case studies of systemic (e.g. Taiwan) and non-systemic models (e.g. NPA) are undertaken.  
Courses: ED50, HU20, IF36  
Credit Points: 12  
Contact Hours: 3 per week
An advanced seminar in Asia Pacific Studies normally taken by third and fourth year (Honours) students.

**Courses:** HU20, HU21, ED50

**Credit Points:** 12

**Contact Hours:** 3 per week

### HUB625 AMERICAN LITERATURE

Concentrates principally on twentieth century American literature in the years preceding World War II and in the post-war construction period to the present. Particular emphasis on major preoccupations in literature and on the ways in which writers have responded to, and interpreted, political and social currents in the pre- and post-World War II periods.

**Courses:** ED50, HU20

**Credit Points:** 12

**Contact Hours:** 3 per week

### HUB626 CONTEMPORARY SOUTH-EAST ASIA

An introduction to Southeast Asia as a region focusing on geographic characteristics, recent political developments, population and urban studies, economic development and social and cultural characteristics.

**Courses:** HU20, IF36, ED50

**Credit Points:** 12

**Contact Hours:** 3 per week

### HUB627 AUSTRALIA & THE SOUTH PACIFIC

Critical analysis of the history of Australian bilateral and multilateral links with the Pacific islands region, including Pacific frontier theory, sub-imperialism, colonial rule and contemporary dialogue over aid, trade, regionalism, defence, cultural exchange and migration. The unit will focus on events from 1788 to the present.

**Courses:** HU20, IF36, ED50

**Credit Points:** 12

**Contact Hours:** 3 per week

### HUB628 MODERN JAPAN

The history of nineteenth and twentieth century Japan; the range of contemporary issues confronting Japan, including those associated with Japan’s increased power in the Asia/Pacific region. Where possible, primary source documentation is used to enhance historical understanding.

**Courses:** HU20, IF36, ED50

**Credit Points:** 12

**Contact Hours:** 3 per week

### HUB629 MODERN CHINA

A historical survey of China during the nineteenth and twentieth centuries. The primary focus will be on the decline of the traditional Chinese state and the impact of foreign imperialism. Stress is placed on the growth of nationalism and the Chinese revolution. The modernisation of Chinese culture, the position of women and the forces which have brought China to resume its place as the major Asian power.

**Courses:** HU20, IF36, ED50

**Credit Points:** 12

**Contact Hours:** 3 per week

### HUB630 GEOGRAPHY OF EAST ASIA

A geographical interpretation of the East Asia region covering China, Japan and Korea. This includes an examination of the region’s physical landscapes, human population distribution, demographic and cultural change, environmental issues and the role of the East Asian countries in the geopolitics of the Asia-Pacific region.

**Courses:** ED50, IF36, HU20

**Credit Points:** 12

**Contact Hours:** 3 per week

### HUB631 ADVANCED SEMINAR IN ASIA-PACIFIC STUDIES 2

An advanced seminar in Asia Pacific Studies normally taken by third and fourth year (Honours) students.

**Courses:** HU20, HU21, ED50

**Credit Points:** 12

**Contact Hours:** 3 per week

### HUB646 INTERNATIONAL INTENSIVE PROGRAM

Short period of intensive language study conducted at an approved institution in the country where the target language is used; aims to enhance language skills and introduce students to the culture of the country in an immersion situation.

### HUB647 INTERNATIONAL SUMMER SCHOOL OR EQUIVALENT

This unit is held in residence at a designated foreign university for four to six weeks of concentrated learning; aims to enhance student’s proficiency in the four macro skills; increases student’s understanding of the cultural context in which the target language is used.

**Courses:** BS50, ED50, HU20

**Credit Points:** 24

### HUB648 INTERNATIONAL SEMESTER OR EQUIVALENT

Students follow an approved course of study at a designated foreign university for a semester. The unit aims to improve language skills in an immersion situation and at the same time provide the cultural experience of living in the country of the language being studied for an extended period of time.

**Courses:** ED50, HU20

**Credit Points:** 48

### HUB649 HISTORY WRITING IN MODERN EUROPE

An advanced seminar in European Studies normally taken by third and fourth years (Honours) students.

**Courses:** HU20, HU21, ED50

**Credit Points:** 12

**Contact Hours:** 3 per week

### HUB650 INDONESIAN 1

This unit assumes no prior knowledge of Indonesian, and aims to equip beginning students with elementary communicative competence in a range of common everyday situations.

**Courses:** HU20, IF36, IF70, BS56, ED50, ED51, SC30

**Credit Points:** 12

**Contact Hours:** 4 per week

### HUB651 INDONESIAN 2

This unit expands beginners’ repertoire of communicative competence into a wider range of situations. Relatively more emphasis upon speaking and listening rather than reading and writing.

**Courses:** HU20, IF36, IF70, BS56, ED50, ED51, SC30

**Prerequisites:** HUB650 or equivalent

**Credit Points:** 12

**Contact Hours:** 4 per week

### HUB652 INDONESIAN 3

This unit advances learners’ competence to intermediate level, with some analytical focus on syntactic and morphological structures in Indonesian.

**Courses:** HU20, IF36, IF70, BS56, ED50, ED51, SC30

**Prerequisites:** HUB651 or equivalent

**Credit Points:** 12

**Contact Hours:** 4 per week

### HUB653 INDONESIAN 4

This unit continues to develop fluency in all macroskills to an intermediate level, with increased use of authentic source materials.

**Courses:** HU20, IF36, IF70, BS56, ED50, ED51, SC30

**Prerequisites:** HUB652 or equivalent

**Credit Points:** 12

**Contact Hours:** 4 per week

### HUB654 INDONESIAN 5

This unit continues to develop proficiency in all macroskills, using mainly authentic texts (written, audio and audio-visual).

**Courses:** HU20, IF36, IF70, BS56, ED50, ED51, SC30

**Prerequisites:** HUB653 or equivalent

**Credit Points:** 12

**Contact Hours:** 4 per week

### HUB655 INDONESIAN 6

The unit extends learners’ proficiency, with almost exclusive use of authentic texts.

**Courses:** HU20, IF36, IF70, BS56, ED50, ED51, SC30

**Prerequisites:** HUB654 or equivalent

**Credit Points:** 12

**Contact Hours:** 4 per week

### HUB656 INDONESIAN 7

This unit enhances learners’ linguistic skills to a level where they can read modern Indonesian sources, understand television programs, as well as discuss and write intelligently about issues.
Courses: HUB660 JAPANESE 1
Students with little or no previous experience in Japanese are introduced to the four skills of listening, speaking, reading and writing; the Hiragana and Katakana script are studied from the outset and 75 Kanji are introduced; appreciation of cultural aspects is integrated into the course.
Courses: BS56, ED50, ED51, HU20, IF36, IF70, SC30
Credit Points: 12
Contact Hours: 4 per week

Courses: HUB661 JAPANESE 2
This unit fine tunes learners’ proficiency in all four macro skills and deals with contemporary issues almost entirely in the Indonesian language.
Courses: HUB670 FRENCH 1
Designed for students who have had little or no previous experience of French; develops a basis for further language acquisition and stresses oral/aural skills with some introduction to reading comprehension.
Courses: BS56, ED50, ED51, HU20, IF36, IF70, SC30
Credit Points: 12
Contact Hours: 4 per week

Courses: HUB662 JAPANESE 3
Develops the four skills of learning, speaking, reading and writing using a communicative approach; an additional 100 Kanji are introduced; cultural aspects are integrated with relevant language situations.
Courses: BS56, ED50, ED51, HU20, IF36, IF70, SC30
Credit Points: 12
Contact Hours: 4 per week

Courses: HUB663 JAPANESE 4
An intermediate level unit aiming at enhancing students’ language skills by concentrating on more complex grammatical structures; 150 additional Kanji are introduced; cultural aspects are incorporated with relevant language situations.
Courses: BS56, ED50, ED51, HU20, IF36, IF70, SC30
Credit Points: 12
Contact Hours: 4 per week

Courses: HUB664 JAPANESE 5
This unit is for students who have completed Year 12 Japanese (or equivalent); it consolidates and further develops language skills through an integrated approach; 150 additional Kanji are introduced; cultural aspects are studied in language situations.
Courses: BS56, ED50, ED51, HU20, IF36, IF70, SC30
Credit Points: 12
Contact Hours: 4 per week

Courses: HUB665 JAPANESE 6
In this intermediate level unit, students’ language skills are further enhanced through authentic resources adapted for classroom use; 150 additional Kanji are introduced; cultural aspects are integrated with language materials.
Courses: BS56, ED50, ED51, HU20, IF36, IF70, SC30
Credit Points: 12
Contact Hours: 4 per week

Courses: HUB666 JAPANESE 7
Extends language skills through exposure to the natural language of newspapers and television; students should know 1000 Kanji by the end of this unit.
Courses: BS56, ED50, ED51, HU20, IF36, IF70, SC30
Credit Points: 12
Contact Hours: 4 per week

Courses: HUB667 JAPANESE 8
Focusing on the media, extends students’ linguistic skills to a level where they can access authentic materials, express opinions and discuss issues; Kanji knowledge is extended beyond 1000.
Courses: BS56, ED50, ED51, HU20, IF36, IF70, SC30
Credit Points: 12
Contact Hours: 4 per week

Courses: HUB668 APPROACHES TO AUSTRALIAN STUDIES
Introduces the Australian Studies major; focuses on cultural themes within Australian history; includes an examination of the shock felt by pre-1850s immigrants, racial conflict and naturalisation processes.
Courses: ED50, HU20, IF36
Credit Points: 12
Contact Hours: 3 per week
HUB682 SOCIAL MOVEMENTS IN AUSTRALIA
New social movements in Australia since the 1960s; includes green, women’s, peace, Aboriginal and Third World development movements; comparison with overseas and old social movements.
Courses: ED50, HU20, IF36
Credit Points: 12
Contact Hours: 3 per week

HUB683 AUSTRALIAN GEOGRAPHICAL STUDIES
Expands the geographical understanding of students into the cultural area, enabling them to appreciate the significance and interrelationships of issues of people, land, resources, energy and technology.
Courses: ED50, HU20, IF36
Credit Points: 12
Contact Hours: 3 per week

HUB685 AUSTRALIAN RESOURCE MANAGEMENT
Considers the various development options open to Australia. Attention is paid to Australia’s economic history and current economic structures.
Courses: ED50, HU20, IF36
Credit Points: 12
Contact Hours: 3 per week

HUB687 CONTEMPORARY MORAL PROBLEMS
Introduction to applied ethics and moral philosophy through an analysis of a range of contemporary issues within an Australian context, e.g. uses of technology, genetic engineering, nuclear energy, overpopulation, environmentalism, war, terrorism, civil disobedience, pacifism, racism, sexism, abortion, euthanasia, suicide and sexuality.
Courses: HUB687, IF36
Credit Points: 12
Contact Hours: 3 per week

HUB690 THEMES IN AUSTRALIAN HISTORY
Covers historical and cultural material on Australian mythologies and historiographies; European and Aboriginal understandings of the land; Aboriginal mapping and art; the construction and importance of cities; ways in which notions such as motherhood were enlisted in nationalism.
Courses: ED50, HU20, IF36
Credit Points: 12
Contact Hours: 3 per week

HUB691 WOMEN'S PAST – WOMEN'S HISTORY TO FEMINIST HISTORIOGRAPHY
Challenges a masculine version of history; considers the historiographical debate on the development of women’s history in the Australian context; explores a range of issues including case studies of women’s issues and experiences; encourages the process of documenting women’s history via testimony.
Courses: ED50, HU20, IF36
Credit Points: 12
Contact Hours: 3 per week

HUB692 CONSPIRACY & DISSENT IN AUSTRALIAN HISTORY
Uses case studies to reflect conspiracies as well as protest movements in nineteenth and twentieth century Australia; includes nineteenth century land grab conspiracies; Aboriginal resistance; anti-war movements; the Petrov affair; the 1975 dismissal.
Courses: ED50, HU20, IF36
Credit Points: 12
Contact Hours: 3 per week

HUB693 AUSTRALIAN RACE RELATIONS
Race relations within Australia before and after British settlement and locates material within a comparative international framework. Theories of race, trade routes, racial violence and resistance.
Courses: ED50, HU20, IF36
Credit Points: 12
Contact Hours: 3 per week

HUB694 AUSTRALIAN POLITICS
The political life of the Australian citizen; the democratic political traditions and institutional bases of Australian political life; the process by which political decisions get made at all levels of Australian politics.
Courses: HU20, IF36, ED50
Credit Points: 12
Contact Hours: 3 per week

HUB700 ABORIGINAL & TORRES STRAIT ISLANDER CULTURE STUDIES
An appreciation of the two distinct indigenous cultures of Australia; how external forces to Aboriginal and Torres Strait Islander cultures caused social, economic and political changes; traditional family life and organisation.
Courses: ED50, HU20, IF36
Credit Points: 12
Contact Hours: 3 per week

HUB701 ABORIGINAL & TORRES STRAIT ISLANDER LITERATURE
Despite the fact that it represents the indigenous culture of Australia, the oral tradition of Aborigines and Torres Strait Islanders has only recently begun to be appreciated. By examining this tradition, its continuation to the present day and its transformation into published texts, this unit seeks to open the eyes of students to a different world view.
Courses: ED50, HU20, IF36
Credit Points: 12
Contact Hours: 3 per week

HUB702 THE AUSTRALIAN DREAMING: THE INDIGENOUS CONSTRUCTION
A philosophical overview of Aboriginal and Torres Strait Islander culture; draws upon a variety of conceptual approaches; examines theories which underpin indigenous constructions of reality.
Courses: HU20, IF36
Credit Points: 12
Contact Hours: 3 per week

HUB703 INDIGENOUS POLITICS & POLITICAL CULTURE
Examines issues and influences underlying the world of indigenous politics: political representation; land rights; health; education; community development; criminal justice; culture and heritage. An Australian focus with New Zealand and North American comparisons.
Courses: HU20, IF36
Credit Points: 12
Contact Hours: 3 per week

HUB710 AUSTRALIAN LITERARY STUDIES
A critical appreciation of various texts from Australia’s literary tradition; considers the impact of social values, political and artistic movements upon literature production and genres; the dichotomy of mainstream and marginalised writing in various groups and periods of Australia’s cultural traditions.
Courses: ED50, HU20, IF36
Credit Points: 12
Contact Hours: 3 per week

HUB711 AUSTRALIAN WOMEN’S WRITING
The literary contribution of Australian women writers from the nineteenth and twentieth centuries to Australian culture and society; focuses on a number of significant texts that raise crucial issues in their representation of women’s lives and identities.
Courses: ED50, HU20, IF36
Credit Points: 12
Contact Hours: 3 per week

HUB712 AUSTRALIAN CHILDREN’S & ADOLESCENT FICTION
Children’s and adolescent novels within the cultural context of nineteenth and twentieth century Australia; focuses on textual analysis of major generic types; considers issues such as race, gender, class and regionalism in fiction for young Australians.
Courses: ED50, HU20, IF36
Credit Points: 12
Contact Hours: 3 per week

HUB714 ABORIGINAL COMMUNITIES IN CRISIS & RECOVERY (ADVANCED SEMINAR)
An advanced seminar in Australian Studies normally taken by third and fourth year (Honours) students.
Courses: HU20, HU21, ED50
Credit Points: 12
Contact Hours: 3 per week

HUB720 APPROACHES TO EUROPEAN STUDIES
A broad introduction to the major studies sequence in European studies; uses historical and literary perspectives to high-
light major themes in the development of European society and culture since 1945.

**Courses:** ED50, HU20, IF36
**Credit Points:** 12
**Contact Hours:** 3 per week

**HUB721 THE CLASSICAL WORLD**
The emergence and development of European society from earliest times to 500 AD; in alternate semesters it examines the major political, social and economic trends in classical Greek or Roman society.

**Courses:** ED50, HU20, IF36
**Credit Points:** 12
**Contact Hours:** 3 per week

**HUB722 FOUNDATIONS OF MODERN EUROPE**
The formation of modern Europe from the late Middle Ages to the end of the eighteenth century; the emergence of secularism and the rise of nation states.

**Courses:** ED50, HU20, IF36
**Credit Points:** 12
**Contact Hours:** 3 per week

**HUB723 WAR & REVOLUTION IN EUROPE 1914-1945**
This subject selectively examines political, social, economic and intellectual developments in Europe from 1914-1945.

**Courses:** HU20, IF36, ED50
**Credit Points:** 12
**Contact Hours:** 3 per week

**HUB724 NINETEENTH CENTURY ENGLISH LITERATURE & CULTURE**
Focuses on two major literary genres: the novel and poetry; their evolution and variety in a time of profound economic, political and social change in England between 1790 and 1880; examines the variety of response of a number of literary artists to these changes and the ways narrative and verse forms were adapted and evolved.

**Courses:** ED50, HU20, IF36
**Credit Points:** 12
**Contact Hours:** 3 per week

**HUB725 TWENTIETH CENTURY ENGLISH LITERATURE & CULTURE**
Critical analysis of key British literary texts of the twentieth century (prose, poetry, drama); the theoretical and cultural movements that underpin them.

**Courses:** ED50, HU20, IF36
**Credit Points:** 12
**Contact Hours:** 3 per week

**HUB726 POPULAR LITERATURE (ADVANCED SEMINAR)**
Explores the psychological, political and ideological functions of popular literature by studying texts from different genres. Normally taken by third and fourth year (Honours) students.

**Courses:** ED50, HU20, IF36
**Credit Points:** 12
**Contact Hours:** 3 per week

**HUB727 SHAKESPEARE**
Shakespeare is examined both in his own time and the present to analyse the dominance of this cultural icon; emphasises recent theoretical and performance strategies in Shakespearean genre studies.

**Courses:** ED50, HU20, IF36
**Credit Points:** 12
**Contact Hours:** 3 per week

**HUB730 GENDER, WRITING & REPRESENTATION**
Examines ways gender has been represented in literary and non-literary texts; identifies cultural contexts in which women write and are represented; examines nineteenth and twentieth century texts by European writers by and about women and men.

**Courses:** ED50, HU20, IF36
**Credit Points:** 12
**Contact Hours:** 3 per week

**HUB735 GERMAN 1**
The first of two introductory units in the German language for students with little or no previous knowledge of German. Students study authentic video material using interactive videodisc technology and complete communicative class activities to equip them with the basic communication skills for everyday use and for some workplace situations.

**Courses:** BS56, ED50, ED51, HU20, IF36, SC30, IF70
**Credit Points:** 12
**Contact Hours:** 4 per week

**HUB736 GERMAN 2**
The second of two introductory units in the German language for students with little or not previous knowledge of German. Students study authentic video material using interactive videodisc technology and complete communicative class activities to equip them with basic communication skills for everyday use and for some workplace situations.

**Courses:** BS56, ED50, ED51, HU20, IF36, SC30, IF70
**Credit Points:** 12
**Contact Hours:** 4 per week

**HUB737 GERMAN 3**
Designed for students who have completed Year 12 German or its equivalent or HUB736; consolidates the skills of speaking, listening, reading and writing using authentic video, interactive computer exercises, classroom communication activities, and written language and grammar assignments. Topics promote socio-cultural awareness and cover several areas of business and workplace language use.

**Courses:** BS56, ED50, ED51, HU20, IF36, SC30, IF70
**Credit Points:** 12
**Contact Hours:** 4 per week

**HUB738 GERMAN 4**
Continues consolidation of the skills of speaking, listening, reading and writing using authentic video, interactive computer exercises, classroom communication activities, and written language and grammar assignments. Central to this unit are the events of 1989 and their consequences for contemporary German society, as well as an expansion of the social and linguistic skills necessary for students to function in a German-speaking workplace.

**Courses:** BS56, ED50, HU20, IF36, SC30, IF70
**Credit Points:** 12
**Contact Hours:** 4 per week

**HUB739 GERMAN 5**
Develops linguistic competence in the German language to a higher level through intensive study of syntax and vocabulary expansion exercises. More complex reading texts found in German work environments are analysed and students are introduced to German post-war cultural history through a variety of more demanding authentic texts.

**Courses:** BS56, ED50, ED51, HU20, IF36, IF70
**Credit Points:** 12
**Contact Hours:** 4 per week

**HUB740 GERMAN 6**
Continuation of the development of the language skills necessary for more demanding interactions. Students also expand their knowledge of German culture through legends, fairytales, songs and German news broadcasts on interactive CDROMs. Further business German texts are studied to prepare students to function in a German work environment.

**Courses:** BS56, ED50, ED51, HU20, IF36, SC30, IF70
**Credit Points:** 12
**Contact Hours:** 4 per week

**HUB741 GERMAN 7**
Develops linguistic competence in the German language to an advanced level. A survey of literary texts from Lessing to contemporary German writers forms a basis for grammatical, stylistic and linguistic analysis and feature films are used to increase students' range of spoken registers and expression.

**Courses:** BS56, ED50, ED51, HU20, IF36, SC30, IF70
**Credit Points:** 12
**Contact Hours:** 4 per week

**HUB742 GERMAN 8**
Develops linguistic competence in the German language to the level necessary for dealing with complex linguistic interactions and texts. Students continue their journey into German literature, but explore different genres, including humour, satire, and other amusing or ‘besinnliche’ narrative fiction.
Students also learn computer and technology applications, tools and terminology to increase their competencies in this area. Depending on demand, students may be able to choose as an alternative German for Tourism and the Hospitality Industry during this unit.

**Courses:** BU556, ED550, ED561, HU20, IF35, SC35, IF70
**Credit Points:** 12  **Contact Hours:** 4 per week

**HUB743 NATIONS & NATIONALISM**
This course selectively examines political, social, economic and intellectual developments in modern Europe, from the French Revolution to the era before the Great War of 1914-18

**Courses:** HU20, IF36, ED60
**Credit Points:** 12  **Contact Hours:** 3 per week

**HUB744 MEDIEVAL EUROPE**
The unit covers selected topics in European politics and culture from the barbarian invasions of the fifth century AD, through the Carolingian period down to the civilisation of the late middle ages.

**Courses:** ED60, HU20, IF36, IF70
**Credit Points:** 12  **Contact Hours:** 3 per week

**HUB750 UNDERSTANDING ETHICS**
Introduces students to the theory and practice of moral decision-making; covers questions such as ‘Why be moral?’ ‘What is the good or the right?’ and ‘How do we make moral decisions?’; questions are related to current practical ethical dilemmas.

**Courses:** HU20, IF36
**Credit Points:** 12  **Contact Hours:** 3 per week

**HUB751 PUBLIC & PROFESSIONAL ETHICS**
The ethical dimensions of public and professional life; the ethical rights and responsibilities of the individual citizen and the state within a liberal democracy; the ethical responsibilities of institutional and professional agencies and the roles and ethical responsibilities of individual citizens in such agencies.

**Courses:** HU20, IF36
**Credit Points:** 12  **Contact Hours:** 3 per week

**HUB752 THE JUST SOCIETY**
Justice and concepts such as equity in various ethical and political traditions are applied to recent policy debates about affirmative action, the criminal justice system, public practice, health and the environment.

**Courses:** HU20, IF36
**Credit Points:** 12  **Contact Hours:** 3 per week

**HUB753 ETHICAL DECISION-MAKING**
The ways in which various decision-making practices can be morally grounded; the practical value of such procedures for human transformation and emancipation; the ways in which decision-making practices either sustain or subvert moral communities.

**Courses:** HU20, IF36
**Credit Points:** 12  **Contact Hours:** 3 per week

**HUB754 FEMINISM & ETHICS**
The impact of the feminist movement on ethical and political theory; What does it mean to say the differences between men and women are natural or socially cultivated? What are the normative implications of these differences? What counts as equality between the sexes? Do women think differently about ethical situations than men?

**Courses:** HU20, IF36
**Credit Points:** 12  **Contact Hours:** 3 per week

**HUB755 VULNERABLE IDENTITIES**
Vulnerability and the experiences of persons who are vulnerable due to exploitation, abandonment, confusion or suffering and other unethical practices; ways of relating with the vulnerable; students develop a richer appreciation of others as well as themselves.

**Courses:** HU20, IF36
**Credit Points:** 12  **Contact Hours:** 3 per week

**HUB756 SEMINAR IN ETHICS & PUBLIC PHILOSOPHY (ADVANCED SEMINAR)**
An advanced seminar in Applied Ethics normally taken by third and fourth year (Honours) students.

**Courses:** HU20, HU21, ED50
**Credit Points:** 12  **Contact Hours:** 3 per week

**HUB757 ETHICS, TECHNOLOGY & THE ENVIRONMENT**
How decisions about new technologies and the environment are based not solely on factual evidence but also on ethical judgements; ethical aspects of issues such as genetic engineering, free-riding problems with ‘caring for’ the environment, human obligations toward non-human animals, whether wilderness areas have value independent of their value to humans, and whether a proper concern for the environment requires a new ‘environment or ecological ethic’.

**Courses:** HU20, IF36
**Credit Points:** 12  **Contact Hours:** 3 per week

**HUB758 SEMINAR IN HEALTH CARE ETHICS (ADVANCED SEMINAR)**
An advanced seminar in Applied Ethics normally taken by third and fourth year (Honours) students.

**Courses:** HU20, HU21, NS40, NS48
**Credit Points:** 12  **Contact Hours:** 3 per week

**HUB759 VALUES & SOCIAL CHOICE**
This unit examines the relation between individual values and society’s choices. Part 1 examines just what human values are, and how different values coexist within the same community or society. A number of competing doctrines are considered here, including communitarianism, perfectionism, utilitarianism, and contractualism. Part 2 then considers two groups of social principles – liberal and egalitarian – that regulate social life in pluralistic societies. Finally Part 3 examines several mechanisms that translate individual values into social choices including the market, democracy, and the law.

**Courses:** ED50, HU20, IF36, IF70
**Credit Points:** 12  **Contact Hours:** 3 per week

**HUB760 APPROACHES TO FEMINIST STUDIES**
Introduces a broad spectrum of issues related to feminist studies and to the major theoretical debates about gender in fields including literature, history, psychology, philosophy, sociology and ethics.

**Courses:** HU20
**Credit Points:** 12  **Contact Hours:** 3 per week

**HUB761 ADVANCED SEMINAR IN FEMINIST STUDIES 1**
An advanced seminar in Feminist Studies normally taken by third and fourth year (Honours) students.

**Courses:** HU20, HU21, ED50
**Credit Points:** 12  **Contact Hours:** 3 per week

**HUB762 ADVANCED SEMINAR IN FEMINIST STUDIES 2**
An advanced seminar in Feminist Studies normally taken by third and fourth year (Honours) students.

**Courses:** HU20, HU21, ED50
**Credit Points:** 12  **Contact Hours:** 3 per week

**HUB772 INTRODUCTION TO POLITICS: POLITICAL IDEOLOGIES**
The political spectrum of the traditional Left-Right Centre ideologies including Fascism; Conservatism; Liberalism; Socialism; Communism; Anarchism are discussed, along with cross-spectrum ideologies such as Feminism; Imperialism; Racism; Environmentalism. The course concludes with reference to post-modernist politics and its implications for the traditional ideological spectrum.

**Courses:** HU20, IF36, ED50
**Credit Points:** 12  **Contact Hours:** 3 per week

**HUB800 POLITICS & MARKETS**
Introduces major debates in political economy about mixed
economy and balance between collective and individual provision; theories of production and consumption, modes of production and regulation, studies of public intervention.

Courses: HU20
Credit Points: 12 Contact Hours: 3 per week

■ HUB802 POLITICS & THE SOCIAL CONTRACT
Political economy of production; form of economic calculation and theories of value, profit and interest; ownership and control of production in market and non-market situations.

Courses: HU20
Credit Points: 12 Contact Hours: 3 per week

■ HUB900 RESEARCH, CONTEXTS & ISSUES
An advanced introduction to research activity and scholarly discourse as practised in a wide range of disciplines relevant to study in the humanities including the nature of humanities research; research methodologies and philosophies; issues and theoretical debates; community links; public policy dimensions of social inquiry and humane studies; salient contemporary concerns relating to equity, cultural diversity and gender.

Courses: HU21, AT22 Prerequisites: HU20 or equivalent Credit Points: 12 Contact Hours: 3 per week

■ HUB901 LITERATURE REVIEW
A supervised program in the Honours student’s chosen area of specialisation. An assessed critical paper on literature relevant to the Honours dissertation topic will be prepared.

Courses: HU21 Prerequisites: HU20 or equivalent Credit Points: 12

■ HUB902 HONOURS DISSERTATION 1
Supervised design and initial development of Honours dissertation leading to completion of a thesis outline, including synopses and projected chapters, and a statement of objectives, methods and sources

Courses: HU21 Prerequisites: HU20 or equivalent Credit Points: 12

■ HUB903 HONOURS DISSERTATION 2
Supervised research and writing of the Honours dissertation, normally between 12 000 and 15 000 words.

Courses: HU21 Prerequisites: HU20 or equivalent HUB901 and HUB902 Credit Points: 36

■ HUB904 HONOURS SEMINAR
Weekly discussion and presentations relating to research and writing of the Honours dissertation.

Courses: HU21 Prerequisites: HU20 or equivalent and HUB900 Credit Points: 12 Contact Hours: 3 per week

■ HUB905 INTERNSHIP
Supervised experience in a working environment related to an Honours student’s field of research and culminating in a written report and/or project.

Courses: HU21 Prerequisites: HU21 or equivalent Credit Points: 12

■ HUB906 OVERSEAS STUDY
An approved course of study for language students in an overseas tertiary institution offering instruction in the target language. Students undertaking this unit will be required to take HUB901 and HUB902 in distance mode, but will not do HUB900.

Courses: HU21 Prerequisites: HU21 or equivalent Credit Points: 24

■ HUB952 INTERNSHIP PROGRAM 1
This is an opportunity for students to be placed in an appropriate off-campus situation in work related to their studies. This unit may be taken over one semester or extended to cover two. Able to be taken either in semester 1 or 2.

Credit Points: 24

■ HUB953 INTERNSHIP PROGRAM 2
This is an opportunity for students to be placed in an appropriate off-campus situation in work related to their studies. Able to be taken in either semester 1 or 2.

Credit Points: 12

■ HUB954 INDEPENDENT STUDY UNIT
This unit enables 3rd year students to engage in a small-scale research project which is related to, but not covered by, existing undergraduate Humanities units. A student wishing to complete an independent studies unit is required to identify a topic/problem, enlist the support of an academic staff member to act as a supervisor and seek the endorsement of the Undergraduate Studies Coordinator before her/his proposed study will be accepted.

Courses: HU20 Credit Points: 12 Contact Hours: 3 per week

■ HUB9002 PUBLIC SECTOR ETHICS
Exploration of conceptual and theoretical issues; practical dilemmas and strategies for institutionalising ethics in the public sector.

Courses: BS30 Credit Points: 12 Contact Hours: 3 per week

■ HUB9003 ETHICS: THEORY & PRACTICE
The theory and practice of moral decision-making; current ethical issues.

Courses: BS30 Credit Points: 12 Contact Hours: 3 per week

■ HUB9004 HEALTH CARE ETHICS & BIOETHICS
Bioethics in the social context; the process of moral decision-making; ethics and professional nursing practice.

Courses: BS30 Credit Points: 12 Contact Hours: 3 per week

■ HUB9006 ETHICS & PUBLIC POLICY
This unit considers the ways in which values, ethics and political principles are relevant to the formulation of public policy. The unit focuses on several different approaches to the ethical evaluation of public policy; utilitarianism, rights theory, liberal neutrality and community values. The unit also considers the relation between ethics, efficiency and the market, and justifications for state intervention. In addition to examining different theories of ethics and public policy, this unit will also consider the morality of specific public policies, including drug policy, state support of the arts and economic policy.

Courses: IF64 Credit Points: 12 Contact Hours: 3 per week

■ IFB880 PROJECT
Students undertake a project requiring research, investigation or design of some topic or problem of interest to the profession.

Courses: IF24, IF25 Prerequisites: Successful completion of units totalling not less than 120 hours of weekly contact time
Credit Points: 24 Contact Hours: 2 per week

■ IFN001 ADVANCED INFORMATION RETRIEVAL SKILLS
This unit provides postgraduate research students with the skills to implement a thorough literature search in their research area and to set up a personal system for managing the references collected. The seven modules which form this unit include developing a search strategy; using the QUT libraries; indexing and abstract services; the Internet and its uses; developing a current awareness strategy; thesis writing; personal file management; evaluating information.

Courses: BN73, BN78, PS69, SC60, SC80 Credit Points: 4 Contact Hours: 12 hours total

■ IFN100 FULL-TIME MASTERS’ RESEARCH
This unit provides full-time postgraduate research students with study in a relevant area leading to the development of a thesis of not less than 50 000 words. Relevant areas include criminology, law enforcement, intelligence and security, corrections and legal and justice policy.

Courses: JS52 Credit Points: 96
UNIT SYNOPSES

■ IFN101 FULL-TIME MASTERS’ RESEARCH (EXTENSION)
This unit provides full-time postgraduate research students with study in a relevant area leading to the development of a thesis of not less than 50 000 words. Relevant areas include criminology, law enforcement, intelligence and security, corrections and legal and justice policy.
Courses: JS52
Credit Points: 96

■ IFN200 PART-TIME MASTERS’ RESEARCH
This unit provides full-time postgraduate research students with study in a relevant area leading to the development of a thesis of not less than 50 000 words. Relevant areas include criminology, law enforcement, intelligence and security, corrections and legal and justice policy.
Courses: JS52
Credit Points: 96

■ IFN201 PART-TIME MASTERS’ RESEARCH (EXTENSION)
This unit provides full-time postgraduate research students with study in a relevant area leading to the development of a thesis of not less than 50 000 words. Relevant areas include criminology, law enforcement, intelligence and security, corrections and legal and justice policy.
Courses: JS52
Credit Points: 96

■ IFP222 PROJECT
This unit provides students with the opportunity to gain insight and improve their understanding of quality management practices through the study of workplace quality related problems. Students are given assistance to develop their capacity to apply ideas and knowledge gained during the course and to improve their communication and writing skills in furnishing a detailed project report.
Courses: IF69
Credit Points: 12
Contact Hours: 3 per week

■ ITA840 INTRODUCTION TO COMPUTING
An overview of computing ranging from the impact of computers on society through to the details involved in database organisation and the interrelationship between these facts. Emphasis is on demystifying computers and providing an understanding of the abilities of computers and their role in health science.
Courses: LS12, SC10, SC12
Credit Points: 8
Contact Hours: 2 per week

■ ITB105 STUDY OF INFORMATION TECHNOLOGY
Three compulsory modules are completed within this unit. Module 1 FIT Computing Environments and Utilities: The QUT access system, FIT PC and Unix networks; using Email in FIT; telnet and its use; ftp and it use; using FITSIS; Computer Managed Learning at QUT; Limitations of FIT computing resources. Module 2 QUT Information Resources: QUT handbook via the WWW; Electronic Reserve; FIT faculty resource guide; information retrieval in the QUT library; the library's Public Access Database; the World Wide Web as a study resource. Module 3 Study Strategies: Time management; listening and note-taking; effective listening; concept mapping (quick and effective note taking).
Courses: IT21, IF25, IF58, IF79, IF54, IF38
Credit Points: 0
Contact Hours: 2 weeks

■ ITB106 FOUNDATIONS OF COMPUTING
Sets: basic definitions, operations and counting techniques; relations and functions: 1-1, m:1, m:n relationships, domain and range, partial vs total order; introduction to propositional logic: propositions, truth values, truth tables, basic deduction, logical equivalence, laws of logic and boolean algebra; predicate calculus: predicates, quantification, equivalence, horn clauses, basic inferencing, introduction to automatic inferencing; induction and recursion: recursive functions, proof by induction; probability: basic probability concepts, permutations and combinations, conditional probabilities. Basic structures: list, graphs and trees, basic concepts and terminology.

Courses: IT21, IF25, IF58, IF79, IF54, IF38
Credit Points: 12
Contact Hours: 3 per week

■ ITB107 PROGRAMMING LABORATORY
Reinforcement of the fundamental programming concepts already introduced in ITB410 through a series of practical exercises. Introduces students to another programming language. An integrated set of programming exercises, similar to those used in the methodology of the Personal Software Process are developed.
Courses: IT21, IF25, IF58, IF79, IF54, IF38
Prerequisites: ITB410
Credit Points: 12
Contact Hours: 3 per week

■ ITB210 FORMAL REPRESENTATION
This unit provides a foundation with regard to the specification and implementation of information systems. As such it gives an introduction to topics built on subsequent units, notably those in database and system analysis and design. Topics covered include models; facts; sets; relations relational calculus; SQL; defining the database; referential integrity; knowledge; schemata; state transitions.
Courses: IF25, IF33, IF38, IF54, IT20
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ITN210

■ ITB220 DATABASE DESIGN
Covers the conceptual design of a database and its implementation in either relational, network or hierarchical logical file design: network and hierarchical database systems in detail; additional relational system techniques.
Courses: IF33, IF38, IF54, IT20
Prerequisites: ITB210
Credit Points: 12
Contact Hours: 3 per week

■ ITB221 LABORATORY 3 (COMMERCIAL PROGRAMMING)
Extends student skills in program design and implementation by applying them to typical commercial problems through a widely used third generation language. The task-oriented approach supplies a vehicle for reinforcing students’ knowledge of elementary design and planning theory.
Courses: BS50, IF33, IF38, IT20
Prerequisites: ITB210, ITB410
Credit Points: 12
Contact Hours: 3 per week

■ ITB222 SYSTEMS ANALYSIS & DESIGN 1
Develops basic systems development skills by teaching a methodology and techniques of systems analysis and design and gives an introduction to all phases of the classical systems development life cycle. The aim is to give students a balanced overview of the process of analysing and designing information systems, while ensuring that they develop the necessary skills to apply the major techniques to simple problems. Emphasis is placed on the practical application of techniques to real-world problems.
Courses: BS50, IF38, IT20
Prerequisites: BSB118, ITB210
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ITB321 and ITN211

■ ITB223 LABORATORY 4 (4GL PROGRAMMING)
Introduction to the role of application generators and Fourth Generation Language technology in developing information systems. As well as using these tools to create programs from detailed specifications, students develop standards for comparing the applicability of one environment to another.
Courses: IF33, IF38, IT20
Prerequisites: ITB220
Credit Points: 12
Contact Hours: 3 per week

■ ITB224 SYSTEMS ANALYSIS & DESIGN 2
Expands upon the systems analysis and design techniques introduced in ITB222. Also, alternative approaches practised in industry and other topics of importance are introduced. The aim is to provide students who already have an overview of the unit with an in-depth knowledge of key areas of systems analysis and design. Emphasis is placed on the practical application of techniques to problems.
The relevant issues regarding electronic text storage and retrieval. Issues surrounding document databases including: retrieval models, characterisation languages, evaluation paradigms, document description languages, file organisation.

Courses: IT20
Credit Points: 12
Contact Hours: 3 per week

ITB240 PROJECT
The ability to apply knowledge and skills to real-life situations is essential for information systems professionals. A six-month project, under academic supervision, is considered useful in developing students’ ability to apply their knowledge and skills.

Courses: IT20
Prerequisites: Completion of at least 72 credit points from the Information Systems major.
Credit Points: 12
Contact Hours: 3 per week

ITB241 INFORMATION SYSTEMS MANAGEMENT
Information systems practitioners have responsibility for the acquisition of computer hardware and software and for its effective and efficient use. Many practitioners also have responsibility for managing other information systems personnel. The knowledge and skills relevant to these planning, organising and staffing responsibilities are covered.

Courses: IT33, IT38, IT20
Prerequisites: Completion of at least 60 credit points from the Information Systems major
Credit Points: 12
Contact Hours: 3 per week

ITB242 DECISION SUPPORT SYSTEMS
There is increasing pressure for computer use to be closely aligned to organisational goals. Associated with this is an increasing emphasis on the computer assisting directly in the decision-making process. This unit addresses issues relating to these factors.

Courses: BS50, IT20
Prerequisites: ITB222
Credit Points: 12
Contact Hours: 3 per week

Incompatible with: ITB449

ITB244 SPÉCIAL TOPIC 1
This unit is linked with unit ITB245.
Courses: IT20
Prerequisites: See School announcements
Credit Points: 12
Contact Hours: 3 per week

ITB245 SPÉCIAL TOPIC 2
This unit is linked with unit ITB244. These units are designed to allow for the significant development of, or emphasis in, business computing not dealt with in other course units. Selected topics and study areas are offered as required and when the necessary expertise is available. See School of Information Systems announcements for details of topics being offered.

Courses: IT20
Prerequisites: See School announcements
Credit Points: 12
Contact Hours: 3 per week

ITB246 UNIX & C
Introduction to the Unix operating system environment and to the C programming language. It covers the basics of both, and advanced topics relevant to software development under Unix and C. Emphasis is placed on the production of high quality software and documentation.

Courses: IT20
Prerequisites: ITB101, ITB410
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ITB442, ITB448

Contact Hours: 3 per week

ITB247 PROJECT
This unit provides for students to undertake a two-semester project. The work in one semester can be followed up in the
second, or students can extend their practical skills through the second semester project.

**Courses:** IT20  
**Prerequisites:** Completion of at least 60 credit points from the Information Systems major  
**Credit Points:** 24

■ **ITB249 THEORETICAL FOUNDATIONS OF DATABASE SYSTEMS**
Covers the theoretical foundations for the design, analysis and the unprocedural languages used in modern database systems; set theory; abstract algebra and theory of algorithms.

**Courses:** IT20  
**Prerequisites:** ITB220  
**Credit Points:** 12  
**Contact Hours:** 3 per week

■ **ITB310 INFORMATION MANAGEMENT**
Precursors to and formative influences on information management. Definitions of information and categorisation of levels of information management; information professions, their responsibilities and ethics, models for information science, information in organisations including internal and external sources and procedures for scanning; commercial databases. Introduction to standards and protocols for structuring information about information including mark-up such as SGML and HTML, transmission structures for EDI and MARC format, description control through information resource dictionaries and authority files, classification and indexing standards and query protocols.

**Courses:** IF25, IF38, IF54, IF58, IF79, IT20, IT21  
**Credit Points:** 12  
**Contact Hours:** 3 per week

■ **ITB320 LABORATORY 3 (DATABASE APPLICATIONS)**
Graduates from the course are expected to have skills in the creation, maintenance and utilisation of databases of various types. This unit gives them practical exposure to the tasks involved using higher level applications programming environments.

**Courses:** IF52, IF54, IT20  
**Prerequisites:** ITB102  
**Corequisites:** ITB220  
**Credit Points:** 12  
**Contact Hours:** 3 per week

■ **ITB322 INFORMATION RESOURCES**
Examination of the ability to obtain accurate, up-to-date, business information on an ongoing basis which is today accepted as an important component of competitive success. A variety of computer and documentary sources are investigated, and information retrieval techniques are learnt for a range of sources that may be tailored to the individual subject needs of students.

**Courses:** IT20  
**Prerequisites:** ITB310  
**Credit Points:** 12  
**Contact Hours:** 3 per week

■ **ITB332 LABORATORY 4 (INFORMATION SUPPORT METHODS)**
Provides students with practical exposure to a range of methods that are used to support information management implementations, including data dictionary and repository maintenance, thesaurus construction and maintenance, and interface development for Internet tools.

**Courses:** IF52, IF54, IT20  
**Prerequisites:** ITB320  
**Corequisites:** ITB520  
**Credit Points:** 12  
**Contact Hours:** 3 per week

■ **ITB330 INFORMATION ISSUES & VALUES**
Concepts of information and the associated technology create fundamental issues for society, particularly in the legal, political and social arenas. Exploration of the development of such concepts in order to create an awareness of both the indirect and direct impacts of information and the associated technology. Such an awareness is crucial in the effective direction of management of information.

**Courses:** IF52, IF54, IT20  
**Prerequisites:** ITB322  
**Credit Points:** 12  
**Contact Hours:** 3 per week

■ **ITB331 INFORMATION MANAGEMENT 2**
Covers auditing information resources in an organisation; relates information provision to the information needs of end users, as well as to the strategic objectives of organisations.

**Courses:** ITB331  
**Credit Points:** 12  
**Contact Hours:** 3 per week

■ **ITB340 PROJECT**
The ability to apply knowledge and skills to real-life situations is essential for information management professionals. A one-semester project, under academic supervision, is considered useful in developing students’ ability to apply their skills.

**Courses:** IT20  
**Prerequisites:** Completion of at least 72 credit points from the Information Management major  
**Credit Points:** 12  
**Contact Hours:** 3 per week

■ **ITB341 INFORMATION MANAGEMENT 3**
Pulls together many of the themes previously identified in the course of the Information Management major, with particular reference to information as a commodity and its use in strategic planning and enterprise information modelling. Functions and practices of management that relate to provision of information services, utilisation of technology to support them.

**Courses:** IF52, IF54, IT20  
**Prerequisites:** ITB331  
**Credit Points:** 12  
**Contact Hours:** 3 per week

■ **ITB350 PROJECT-H**
The ability to apply knowledge and skills to real-life situations is essential for people planning to work as information management professionals. A one-semester project, under academic supervision, is considered useful in developing students’ ability to apply their knowledge and skills. As this unit is for students intending to proceed to the Honours course, this project must include an evaluative component.

**Courses:** IT20  
**Prerequisites:** Completion of at least 72 credit points from the Information Management major and two Pre-Honours units  
**Credit Points:** 12

■ **ITB351 INFORMATION MANAGEMENT 3H**
(STRATEGY & PLANNING)
Pulls together many of the themes previously identified in the course of the Information Management major, with particular reference to information as a commodity and its use in strategic planning and enterprise information modelling. Functions and practices of management that relate to provision of information services, and utilisation of technology to support them, are dealt with. In order to prepare students who are intending to proceed to an Honours program, this unit addresses performance analysis and evaluation work in more depth than the standard version of the course.

**Courses:** IT20  
**Prerequisites:** ITB331  
**Credit Points:** 12  
**Contact Hours:** 3 per week

■ **ITB410 SOFTWARE DEVELOPMENT 1**
The basis of the major computing topics to be covered in later units. All students in the area of information technology need to be aware of a range of problem solving techniques and how these can be used to solve various problems using a procedural programming language. Introduces the student to the need for software quality management and control during software development.

**Courses:** IF25, IF38, IF54, IF58, IF79, IT21  
**Credit Points:** 12  
**Contact Hours:** 3 per week

■ **ITB411 SOFTWARE DEVELOPMENT 2**
Quality software development increasingly requires design of algorithms using modules, and algorithms and data-structures for building modules. Provides the foundation knowledge for the external and internal perspective of software modules in a system context. Provides students with an understanding of modules in the context of programmable systems. The external view and internal view of modules and their realisation in a modular programming language are covered. Abstract data types, specification of interfaces and methods for achieving program correctness provide the theoretical basis. Standard data structure modules are examined.

**Courses:** IF25, IF33, IF54, IT21, IF58, IF79  
**Prerequisites:** ITB410  
**Credit Points:** 12  
**Contact Hours:** 3 per week
ITB412 TECHNOLOGY OF INFORMATION SYSTEMS

Computer hardware and system software together provide the context within which computer applications operate. Topics include: the von Neuman model; instruction execution; registers and addressing modes; program and data representation; assembly language programming; i/o, interrupts and DMA; introduction to boolean algebra and computer hardware; FSMs; hard-wired versus microprogrammed control; i/o and secondary storage devices; advanced computer architectures; networking.

Courses: IF25, IF33, IF38, IF54, IT20, IT21
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ITN411

ITB420 COMPUTER ARCHITECTURE

The organisation of simple computer systems and the way in which hardware provides the basic facilities for the machine. The introduction of techniques involved in the programming of input-output operations, on uniprocessor systems.

Courses: IF25, IT20
Credit Points: 12
Contact Hours: 3 per week

ITB421 DATA STRUCTURES & ALGORITHMS

Quality software development requires the design and implementation of efficient data structures with their associated algorithms. Builds upon the concepts of encapsulation and abstraction which were introduced in ITB411 by examining a number of implementations of the Table abstraction and evaluates the efficiency of each implementation.

Courses: IF25, IT20
Credit Points: 12
Incompatible with: ITB411

ITB422 LABORATORY 3 (ADTS IN A UNIX ENVIRONMENT)

Extends students’ knowledge of the Unix environment and introduces the language C, with an emphasis on the implementation of ADTs in that language. Students obtain extensive experience with this important practical language, including documentation and report writing. Topics covered include the Unix environment; the language C; implementation of a variety of data structures in C; generic ADTs; programming styles, documentation and standards.

Courses: IF25, IT20
Credit Points: 12
Incompatible with: ITN410 and ITB246

ITB423 LABORATORY 4 (SOFTWARE DEVELOPMENT)

Consolidates the software engineering principles studied in earlier units as well as augmenting the material in ITB424. Provides students with an opportunity to work in small groups on a major project which requires them to take a problem from statement to a well documented and researched solution.

Courses: IF25, IT20
Credit Points: 12

ITB424 SOFTWARE ENGINEERING PRINCIPLES

Examines the issues and problems related to developing and maintaining high quality software. The need for a well defined and disciplined process for developing software is considered. Students are made aware of the range of techniques that are available to support software development. The importance of communication and management issues. Development of skills that can be applied to both small and large scale software development.

Courses: IF25, IT20
Credit Points: 12

ITB430 CONCURRENT SYSTEMS

Examination of the process structure of concurrent systems and the symbiosis of hardware and system software required to support such systems. Topics include: concurrency, process creation and address space boundaries; process synchronisation; mutual exclusion; resource management, deadlock; realtime and concurrent programming in Modula-2 and process kernels; specification of concurrent systems; realisation of process and resource management principles in contemporary operating systems; multiprocessor and distributed systems with special reference to multiprocessor UNIX systems.

Courses: IF25, IT20
Credit Points: 12
Contact Hours: 3 per week

ITB431 PROGRAMMING LANGUAGE PARADIGMS

Introduction to non-procedural language paradigms; viz functional logical and object-oriented programming techniques. Each is studied in the context of a well-known computer language with its computational environment. A major component of this unit is laboratory based. For each paradigm, substantial program development is included.

Courses: IF25, IT20
Credit Points: 12
Contact Hours: 3 per week

ITB440 LANGUAGES & LANGUAGE PROCESSING

Syntax-directed programs permeate computing – examples are editors, formatters, command interpreters and compilers. In order to rapidly and reliably create such tools, it is necessary to understand the underlying theory of language definition, recognising automata and grammar classifications, as well as the practical realisation of recognizers in stylised, reusable code.

Courses: IF25, IT20
Credit Points: 12
Contact Hours: 3 per week

ITB441 GRAPHICS

Examines the nature of computer graphics hardware and software and the design and implementation of computer graphics software so as to enable students to implement graphics systems in their application areas. Topics include: graphics hardware; software standards; fundamental algorithms for 2-D graphics; 3-D transformations; curve and surface modelling; colour models; hidden surface removal.

Courses: IF25, IF52, IT20
Credit Points: 12

ITB442 FOUNDATIONS OF ARTIFICIAL INTELLIGENCE

As artificial intelligence is coming out of the laboratory into the marketplace, it is important that students are exposed to the major ideas of artificial intelligence and in particular to the role of knowledge engineering in the design of practical knowledge-based systems. This unit provides a broad and comprehensive introduction to the field of artificial intelligence.

Courses: IF25, IT20
Credit Points: 12
Contact Hours: 3 per week

ITB443 SYSTEMS PROGRAMMING

This unit builds upon previous introduction to concurrent systems. Introduction to the Unix operating system at both the user and systems programming levels; a short study of Shell programming; broad examination of: Unix process and device management, Unix interprocess communication features, Unix security and Unix systems administration.

Courses: IF23, IT20
Credit Points: 12

ITB444 SPECIAL STUDIES 1

Aspects of current scientific interest; making allowances for significant developments in computing science not provided for in the remainder of the course program. Details of topics are published before the start of each semester.

Courses: IF23, IT20
Credit Points: 12
Contact Hours: 3 per week

ITB445 SPECIAL STUDIES 2

Aspects of current scientific interest; making allowances for significant developments in computing science not provided for in the remainder of the course program. Details of topics are published before the start of each semester.

Courses: IF23, IT20
Credit Points: 12
Contact Hours: 3 per week
UNIT SYNOPSES

■ ITB446 PROJECT
Analysis, design and programming skills, and the underlying theory, are presented in various units; practice in those units naturally emphasises their particular specialisation. A project unit brings many of those skills together in a practical exercise of greater size and complexity, emphasising their complementary nature and the need for careful management. Students, either individually or in small groups, undertake a significant project, relevant to the needs of industry, government or a research area, carried out under the supervision of a staff member whose interests lie in the field of the project. Before work commences on the project, student(s) and supervisor must agree on the topic of the project and the scope of the work to be attempted. The role of the supervisor is to provide broad guidance on the methods and techniques to be used but progress depends largely on student initiative and problem-solving ability.

Courses: IT20
Prerequisites: Completion of at least 72 credit points from the Computing Science major
Credit Points: 12

■ ITB447 PROJECT
Analysis, design and programming skills, and the underlying theory, are presented in various units; practice in those units naturally emphasises their particular specialisation. A project unit brings many of those skills together in a practical exercise of greater size and complexity, emphasising their complementary nature and the need for careful management. Students, either individually or in small groups, undertake a significant project, relevant to the needs of industry, government or a research area, carried out under the supervision of a staff member whose interests lie in the field of the project. Before work commences on the project, student(s) and supervisor must agree on the topic of the project and the scope of the work to be attempted. The role of the supervisor is to provide broad guidance on the methods and techniques to be used but progress depends largely on student initiative and problem-solving ability.

Courses: IT20
Prerequisites: Completion of at least 72 credit points from the Computing Science major
Credit Points: 12

■ ITB448 OBJECT TECHNOLOGY
Examination of methods and techniques of object-oriented design and implementation based on careful assessment of the underlying software engineering issues. The design of effective module interfaces is emphasised to achieve the full benefit of the object-oriented approach. Practical work focuses on building reusable components and constructing object-oriented systems by combining existing and custom-made components. In Semester 2, 1996, this unit may be run as a series of intensive short courses on some Saturdays during the semester. Check with the Unit Coordinator for details.

Courses: IT20
Prerequisites: ITB422
Contact Hours: 3 per week
Incompatible with: ITB236 and ITN221

■ ITB449 EXPERT SYSTEMS
Formal mathematical logic is the main theme of this unit. Some fundamental theories in the formal representation of domain knowledge are introduced. The introductory topics include: propositional and predicate logic, resolution, temporal logic, fuzzy logic and connectionist knowledge representation themes. This unit is designed to establish a strong theoretical foundation for students who will work in knowledge and engineering.

Courses: IF23, IT20
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ITB243

■ ITB450 ADVANCED COMPUTER ARCHITECTURE
A continuation of the material introduced in the units ITB412 and ITB420. Intended to provide students with an understanding of the organisation of contemporary computer systems and the variety of different structures which may be used for specific tasks. Topics covered include the physical basis of the constraints of processor speed; high performance ‘von Neumann’ architectures; pipelined processors, vector processors and supercomputers; machines for protected multitasking; conceptual models for parallel computation.

Courses: IF25, IT20
Prerequisites: ITB420
Credit Points: 12
Contact Hours: 3 per week

■ ITB451 PROJECT
Enables students to undertake a significant two-semester project. See ITB446/7 for a general description of project units.

Courses: IT20
Prerequisites: Completion of at least 72 credit points from the Computing Science major
Credit Points: 24

■ ITB452 PROJECT WORK
This unit is for students intending to proceed to the Honours course following the Bachelor of Information Technology. The project has a significant research component in addition to the practical development of a system of greater size and complexity than previously undertaken by a student. This unit allows students to undertake a large project in one semester and usually semester two. See ITB446/7 for a general description of project units.

Courses: IT20
Prerequisites: Completion of at least 72 credit points from the Computing Science major and ITB440
Credit Points: 24

■ ITB453 PROJECT
This unit allows students to undertake a large project in one semester. See ITB446/7 for a general description of project units.

Courses: IT20
Prerequisites: Completion of at least 72 credit points from the Computing Science major
Credit Points: 24

■ ITB454 SOFTWARE QUALITY ASSURANCE
Software quality assurance is concerned with ensuring that software products are of high quality, and that the software development process supports the production of high quality software. In this unit it is presented as an integral part of software development, affecting all stages of the life cycle of a software product. Practical work focuses on the techniques and tools for defining, measuring and achieving high quality software products; and for helping to increase overall productivity.

Courses: IT20
Prerequisites: ITB424
Credit Points: 12
Contact Hours: 3 per week

■ ITB455 INTEGRATED SOFTWARE ENGINEERING ENVIRONMENT
Provides a thorough understanding of the rationale for the use of software tools in the software engineering process. The information stored in various software engineering constructs and the software tools used to aid their construction are examined. The interrelationship between the information generated in the software engineering process will also be examined. In the light of this examination, the relationship between the various software tools can be defined. Existing software tools and methodologies will also be examined and evaluated. Implementation issues for a fully integrated software engineering environment are examined by inspecting the implementation of one or more software engineering tools.

Courses: IT20
Prerequisites: ITB222 and ITB424
Credit Points: 12
Contact Hours: 3 per week

■ ITB456 INTELLIGENT GRAPHIC USER INTERFACES
Introduction to the design and construction of intelligent GUIs. Conventional User Interfaces (CUIs) and graphical techniques are discussed as the basis for the development of IGUs. Al-
though a computing science perspective is employed in the
approach to the topics treated in this unit, influences from
other disciplines are discussed.

Courses: IT20
Prerequisites: ITB424, ITB422
Credit Points: 12 Contact Hours: 3 per week

■ ITB457 FUNCTIONAL PROGRAMMING
Introduction to an alternative programming language and
method of programming. An emphasis is placed on two im-
portant new techniques for building programs: higher order
functions and lazy evaluation. Application areas include: AI,
symbolic processing, rapid prototyping and reusable software
design.
Courses: IT20, IF25
Prerequisites: ITB421
Credit Points: 12 Contact Hours: 3 per week

■ ITB458 JAVA & EXTENSIBLE PROGRAMMING
An introduction to the Java language and its underlying theo-
retical basis; the practice of Java programming, and the cre-
ation of Java-applets for the world-wide-web. Broader issues
of run-time extensibility, and the relationship to document-
based programming systems.
Courses: IT20
Prerequisites: ITB236 or ITB448 or equivalent
Credit Points: 12 Contact Hours: 3 per week

■ ITB461 FOUNDATIONS OF NEUROCOMPUTING
Presents the neurocomputing paradigm and explains the bio-
logical concepts on which it is based. Focus on how
neurocomputing complements the tools of the computing pro-
fessional; demonstrates that neurocomputing is an inherently
parallel computing method. Discusses the strengths and limi-
tations of the most used neural network architectures and train-
ing methods; reviews neural network hardware.
Courses: IT20
Credit Points: 12 Contact Hours: 3 per week

■ ITB462 COGNITIVE SYSTEMS
Expert systems, natural language processing (with the excep-
tion of speech recognition), reasoning, high-level vision, plan-
ning and learning. Symbolic as well as neurocomputing meth-
ods, and hybrid systems, and is open to extensions.
Courses: IT20
Prerequisites: ITB442, ITB461
Credit Points: 12 Contact Hours: 3 per week

■ ITB463 PATTERN RECOGNITION
Focus on pattern recognition problems using the three main
approaches: statistical, syntactical and neurocomputing. It
demonstrates two applications of pattern recognition: speech
recognition and image analysis and description.
Courses: IT20
Prerequisites: ITB442, ITB461
Credit Points: 12 Contact Hours: 3 per week

■ ITB510 COMMUNICATIONS NETWORKS
Data types, their digital representations, and their size and
rate requirements; Analogue signals and transmission; digital
transmission and encoding schemes; transmission media; er-
ror sources, error detection and prevention; data link protocols;
circuit switching; packet switching; routing; OSI and TCP/IP
network models; Ethernet; medium access protocols; network
management; network security.
Courses: IT21, IF25, IF38, IF79, IF52, IF38
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: ITN510, ITB520

■ ITB520 DATA COMMUNICATIONS
An introductory treatment of the major topics and issues in com-
munications systems including the terminology and concepts
of data and telecommunications networks, their services and
architectures; the facilities and functions of the data and tele-
mcommunications products and services used in national and
international communications networks; the main issues in the
design, management, security and control of data and telecommu-
nications networks and services; and the social, political,
and economic effects of communications technologies.
Courses: BS50, IF38, IF54, IT20
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: ITB510, ITN510

■ ITB522 ADVANCED DATA COMMUNICATIONS
Topics covered include data link protocols, transport layer
services, upper layer services; data communications network
design and management (techniques and case studies); per-
formance modelling of communications networks; evaluation
of data communications products and services (mostly Aus-
tralian-based); data communications software design and im-
plementation; provision of integrated communications serv-
cices (voice, data, video, etc.); LAN/WAN integration; high
speed networking; internetworking and network management.
Courses: IT20
Prerequisites: ITB510 or ITN510 and ITB411 or ITN410
Credit Points: 12 Contact Hours: 3 per week

■ ITB530 TRANSPORT PROTOCOLS
Students study the principles, protocols, and architectures of
internetworking. Topics include: routing strategies used by
bridges and gateways; security and management of routing
data over global networks; network interface design; and er-
ror and flow control; and network reliability.
Courses: IT20, IT35/IT40
Prerequisites: MAB177 and either ITB522 or ITN520
Credit Points: 12 Contact Hours: 3 per week
Incompatible with: ITN521

■ ITB531 APPLICATION SERVICES
A study of the protocols provided by the process layers of the
Open Systems Interconnection (OSI) Reference Model and the
application services provided in the process layer, in particular
message handling, directory services, file transfer access and
management, network management, and distributed processing.
Other topics include abstract syntax notation; profiles for
government, office and manufacturing; and security issues.
Courses: IT20
Prerequisites: ITB522
Credit Points: 12 Contact Hours: 3 per week

■ ITB532 NETWORK MANAGEMENT
Network management forms a vital part of the overall control
and operation of computer networks and interconnection of
these networks on a local, national or worldwide basis. Top-
ics include: principles of computer network management and
control; practical experience in the configuration of network
management software systems and in the interpretation of
management information provided by these sub-systems; fac-
tors needed in assessment of the control, management, per-
formance, availability and security of data networks.
Courses: IT20, IT40
Prerequisites: ITB535 or ITB521 or ITN520
Corequisites: ITB530 or ITN520
Credit Points: 12 Contact Hours: 3 per week

■ ITB533 COMPARATIVE NETWORK SYSTEMS
Various operating systems and the techniques used to perform
interprocess communication. The client/server model is ex-
amined, address schemes, ports, sockets, remote procedure
calls are programmed in the C language on UNIX, DOS and
OS/2 systems.
Courses: IT20, IT40
Prerequisites: ITB542
Credit Points: 12 Contact Hours: 3 per week

■ ITB534 TELECOMMUNICATION MODELLING
The growing complexity of communication networks and serv-
ces in the world today requires a detailed knowledge of how
they perform and how they should be designed and managed
in a cost effective way. This unit lays the foundations for a
proper understanding of the factors involved. Covers the ba-
sic concepts and models used in teletraffic theory as they are
applied to current telecommunication networks. Studies the
mathematical techniques for achieving efficient, cost-effect-
ive communication networks.
Courses: IT20, IT35/IT40
Prerequisites: ITB542
Credit Points: 12 Contact Hours: 3 per week

■ ITB535 NETWORK ADMINISTRATION
Provides a practical study of the current network protocols in
use today. Topics include the installation, configuration, man-
agement, performance and security of communication prod-
uits and services. Students gain a theoretical understanding of the transport protocols for interNetworking via repeaters, bridges, routers, and gateways; and also an understanding of the application services and protocols provided by different LANs.

**Courses:** IT20  
**Prerequisites:** ITB422 or ITB246  
**Corequisites:** ITB522  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**Incompatible with:** ITN520, ITB521

**ITB541 TRANSMISSION TECHNIQUES**

An examination of high speed networks, satellite communications, fibre optics and wireless LANs; performance and optimisation of network links and the Interconnection of telecommunications equipment based on the International standards: ISDN, BISDN, ATM.

**Courses:** IT20  
**Prerequisites:** ITB530  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**Incompatible with:** ITN540

**ITB542 NETWORK PROGRAMMING**

Students require a detailed understanding of the processes involved in the design, development, programming and management of communications software. The Interprocess communications on various systems and the necessary practical skills to utilise the concepts of network programming enable them to set up network facilities, develop and modify network code, and ethics of network programming. Topics include: streams, sockets, remote procedure calls.

**Courses:** IT20, IT35/IT40  
**Prerequisites:** ITB422 or ITN410 or ITB246  
**Corequisites:** ITB522  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**ITB543 DATA SECURITY**

Information security within an organisation deals with the managerial and technical aspects involved in protecting the information. At the completion of this unit, students are able to demonstrate knowledge of the factors which impact upon the availability, integrity and confidentiality of data; make a realistic assessment of the needs for data security in an organisation; discuss the implications of security decisions on the organisation’s information systems.

**Courses:** IT20, IT35/IT40  
**Prerequisites:** ITB520 or ITN510 or ITB510  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**ITB544 PROJECT 1**

Students, either individually or in small groups, undertake a significant project, relevant to the needs of industry, government or a research area, carried out under the supervision of a staff member whose interests lie in the field of the project. Before work commences on the project, student(s) and supervisor must agree on the topic of the project and the scope of the work to be attempted.

**Courses:** IT20  
**Prerequisites:** Completion of at least 72 credit points from the Data Communications major  
**Credit Points:** 12

**ITB548 INTRODUCTION TO CRYPTOLOGY**

This unit covers classical ciphers; modern symmetric ciphers; public key ciphers; practical cryptology.

**Courses:** IF23, IT20, IT40, MA34, SC30, SC60  
**Prerequisites:** MAB177 or MAB493 or MAB620  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**ITB549 ERROR CONTROL & DATA COMPRESSION**

This unit covers data compression techniques; introduction to block codes; convolutional codes; cyclic codes and Reed-Solomon codes; coding techniques and applications.

**Courses:** IF23, IT20, IT40, MA34, SC30, SC60  
**Prerequisites:** MAB177 or MAB493 or MAB620  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**ITB742 PRINCIPLES OF ARTIFICIAL INTELLIGENCE**

The foundations of artificial intelligence, the principles of AI programming, and an introduction to Prolog. The history, scope, and limits of AI as well as its social, ethical, legal, and philosophical implications. Common application areas and case studies in AI, in particular those of search and control techniques, and control strategies involved in heuristic search. An introduction to knowledge-based and expert systems, in particular the architecture of knowledge-based systems, knowledge acquisition and the building of knowledge-based systems.

**Courses:** ED50  
**Corequisites:** A tertiary programming unit  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**ITB840 INTRODUCTION TO COMPUTING**

Examination of the computer as a processor of information and provides an overview of computers, computer organisation, systems software, programs and the range of programming languages: the design of algorithms using PASCAL.

**Courses:** MA34, SC30  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**ITB841 INTRODUCTION TO COMPUTING**

Introduction to technical computer programming: teaching programming techniques for the writing of correct and efficient programs for limited but typical engineering problems; using programming techniques to write, modify and enhance program applications on selected computer systems using the PASCAL programming language.

**Courses:** CE42, EE43, EE44, IF56, ME45, ME46  
**Corequisites:** CEB184  
**Credit Points:** 8  
**Contact Hours:** 3 per week

**ITB842 C PROGRAMMING UNDER UNIX**

Introduction to programming and to ANSI C as a tool for solving problems, particularly engineering and scientific problems. Programs will be developed and run on the UNIX systems. Topics under UNIX include the shell, the file system, processes, and utilities. topics under ANSI C include functions, arrays, pointers and numeric processing. Topics under program development include modular and structured programming, abstraction, debugging and reasoning about programs.

**Courses:** ME45, ME46  
**Credit Points:** 8  
**Contact Hours:** 3 per week

**ITB843 COMPUTING**

An introduction to computer programming and covers simple applications in the BASIC language. Topics include: computer utilisation; organisation; hardware; software; data organisation; information storage retrieval; computer systems; programming in BASIC; problem-solving; analysis of numerical and non-numerical problems; introduction to FORTRAN; use of WordPerfect, VPPanner and dBaseIII Plus.

**Courses:** CH32, SC30  
**Credit Points:** 12  
**Contact Hours:** 4 per week

**ITB844 PROJECT**

Students in IF25, either individually or in small groups, undertake a substantial project relevant to the needs of industry and designed to provide insight into industrial requirements.
Each project is carried out under the supervision of a staff member whose interests lie in the field of the project. Before work commences on the project, the student(s) and supervisor must agree on the topic and the scope of the work to be attempted. This unit is offered over two semesters.

**Courses:** IT25
**Prerequisites:** Completion of at least 448 credit points in IT25
**Credit Points:** 24

**ITB904 INDUSTRIAL TRAINING EXPERIENCE**
Consists of a one-year work experience program. For more information about this program, refer to the Cooperative Education Program.

**Courses:** IT20  **Credit Points:** 24

**ITN100 RESEARCH METHODOLOGIES**
Provides a basis for students to undertake a research project in the Honours and Masters programs. Examines the nature of information technology and the specific research approaches which are commonly applicable to it. Students will learn how to review literature relevant to their research and how to select the research method most appropriate to their project. Provides the foundation skills required in research: critical reviewing, analysis and writing.

**Courses:** IT30, IT40
**Credit Points:** 12  **Contact Hours:** 3 per week

**ITN110 PROJECT (HONOURS)**
Designed to enable a student to pursue, in some depth, a particular area of interest, either professional or personal, in information technology.

**Courses:** IT30  **Corequisites/Prerequisite:** ITN100
**Credit Points:** 12

**ITN122 DISSERTATION (IS)**
Designed to enable a student to undertake research work in a particular area of information technology. The topic is decided by agreement between the student and a staff member acting as a supervisor.

**Courses:** IT30  **Credit Points:** 24

**ITN124 DISSERTATION (CS)**
Designed to enable a student to undertake research work in a particular area of information technology. The topic is decided by agreement between the student and a staff member acting as a supervisor.

**Courses:** IT30  **Credit Points:** 24

**ITN125 DISSERTATION (DC)**
Designed to enable a student to undertake research work in a particular area of information technology. The topic is decided by agreement between the student and a staff member acting as a supervisor.

**Courses:** IT30  **Credit Points:** 24

**ITN132 DISSERTATION (IS)**
Designed to enable a part-time student to undertake research work in a particular area of information technology. The topic is decided by agreement between the student and a staff member acting as a supervisor.

**Courses:** IT30  **Credit Points:** 24

**ITN134 DISSERTATION (CS)**
Designed to enable a part-time student to undertake research work in a particular area of information technology. The topic is decided by agreement between the student and a staff member acting as a supervisor.

**Courses:** IT30  **Credit Points:** 24

**ITN135 DISSERTATION (DC)**
Designed to enable a part-time student to undertake research work in a particular area of information technology. The topic is decided by agreement between the student and a staff member acting as a supervisor.

**Courses:** IT30  **Credit Points:** 24

**ITN142 MAJOR PROJECT (IS)**
Designed to enable a student to undertake significant research work in a particular area of information technology. The topic is decided by agreement between the student and a staff member acting as a supervisor.

**Courses:** IT40  **Prerequisites:** ITN100 and 48 credit points in relevant postgraduate units  **Credit Points:** 48

**ITN144 MAJOR PROJECT (CS)**
Designed to enable a student to undertake significant research work in a particular area of information technology. The topic is decided by agreement between the student and a staff member acting as a supervisor.

**Courses:** IT40  **Prerequisites:** ITN100 and 48 credit points in relevant postgraduate units  **Credit Points:** 48

**ITN145 MAJOR PROJECT (DC)**
Designed to enable a student to undertake significant research work in a particular area of information technology. The topic is decided by agreement between the student and a staff member acting as a supervisor.

**Courses:** IT40  **Prerequisites:** ITN100 and 48 credit points in relevant postgraduate units  **Credit Points:** 48

**ITN152 MAJOR PROJECT (IS)**
Designed to enable a part-time student to undertake significant research work in a particular area of information technology. The topic is decided by agreement between the student and a staff member acting as a supervisor.

**Courses:** IT40  **Prerequisites:** ITN100 and 48 credit points in relevant postgraduate units  **Credit Points:** 48

**ITN154 MAJOR PROJECT (CS)**
Designed to enable a part-time student to undertake significant research work in a particular area of information technology. The topic is decided by agreement between the student and a staff member acting as a supervisor.

**Courses:** IT40  **Prerequisites:** ITN100 and 48 credit points in relevant postgraduate units  **Credit Points:** 48

**ITN155 MAJOR PROJECT (DC)**
Designed to enable a part-time student to undertake significant research work in a particular area of information technology. The topic is decided by agreement between the student and a staff member acting as a supervisor.

**Courses:** IT40  **Prerequisites:** ITN100 and 48 credit points in relevant postgraduate units  **Credit Points:** 48

**ITN160 RESEARCH PLAN**
Preparation of a comprehensive research proposal including: a complete review of the literature, review of research methodologies appropriate to the research proposal, identification of the research methodology to be adopted, specification of the research schedule, presentation and justification of the proposal via a seminar to other students and academic staff.

**Courses:** IT60  **Credit Points:** 12

**ITN162 PROJECT (IS)**
Designed to enable a student to undertake research work in a particular area of information technology. The topic is decided by agreement between the student and a staff member acting as a supervisor.

**Courses:** IT35/IT40  **Prerequisites:** 48 credit points in relevant postgraduate units  **Credit Points:** 24

**ITN164 PROJECT (CS)**
Designed to enable a student to undertake research work in a particular area of information technology. The topic is decided
by agreement between the student and a staff member acting as a supervisor.

Courses: IT35/IT40

Prerequisites: 48 credit points in relevant postgraduate units

Credit Points: 24

■ ITN165 PROJECT (DC)

Designed to enable a student to undertake research work in a particular area of information technology. The topic is decided by agreement between the student and a staff member acting as a supervisor.

Courses: IT35/IT40

Prerequisites: 48 credit points in relevant postgraduate units

Credit Points: 24

■ ITN172 PROJECT (IS)

Designed to enable a part-time student to undertake research work in a particular area of information technology. The topic is decided by agreement between the student and a staff member acting as a supervisor.

Courses: IT35/IT40

Prerequisites: 48 credit points in relevant postgraduate units

Credit Points: 24

■ ITN174 PROJECT (CS)

Designed to enable a part-time student to undertake research work in a particular area of information technology. The topic is decided by agreement between the student and a staff member acting as a supervisor.

Courses: IT35/IT40

Prerequisites: 48 credit points in relevant postgraduate units

Credit Points: 24

■ ITN175 PROJECT (DC)

Designed to enable a part-time student to undertake research work in a particular area of information technology. The topic is decided by agreement between the student and a staff member acting as a supervisor.

Courses: IT35/IT40

Prerequisites: 48 credit points in relevant postgraduate units

Credit Points: 24

■ ITN20 FOUNDERNS OF INFORMATION MODELLING

It is common to sharply distinguish between the specification and the implementation of organisational information systems. There are, however, many important ideas that are shared. This unit introduces notation from mathematics and logic that may be used to describe these ideas. An information system models some aspect of an organisation and contains both specific and general statements about it. The specific statements are stored in the database and the more general ones end up as programs. This unit describes how such statements may be specified in the Z notation and implemented in SQL.

Courses: IT35/IT40, IT25

Credit Points: 12

Contact Hours: 3 per week

Incompatible with: ITB210

■ ITN211 SYSTEMS ANALYSIS & DESIGN

For the creation of a useful and usable information system, it is essential that the feasibility of the system has been established, that the user's requirements are known, and that a suitable user interface is specified. This unit develops basic systems development skills by teaching the methodology and techniques.

Courses: IT35/IT40, IT25

Credit Points: 12

Contact Hours: 3 per week

Incompatible with: ITB222 and ITB321

■ ITN220 MAJOR ISSUES IN INFORMATION SYSTEMS

Explores aspects of information technology of great potential significance to information systems professionals, such as the status of information system standards, the extent of integration of computer technology and data communications technology, as well as emerging social and ethical considerations with regard to information technology.

Courses: IF64, IT40

Credit Points: 12

Contact Hours: 3 per week

■ ITN221 OBJECT-ORIENTED ANALYSIS & DESIGN

The goal is to develop basic skills in methodologies and techniques of object-oriented analysis and design. Covers all phases of the object-oriented software development life cycle.

Courses: IT30, IT40

Prerequisites: ITB222 or equivalent

Credit Points: 12

Contact Hours: 3 per week

Incompatible with: ITB236 and ITB448

■ ITN230 CURRENT ADVANCES IN DATABASE TECHNOLOGY

Current research activities and development in the area of the next generation database systems; a mixture of research papers and lecture notes on existing systems; practical and theoretical methodologies.

Courses: IT30, IT40

Prerequisites: ITB232 or equivalent

Credit Points: 12

Contact Hours: 3 per week

■ ITN231 KNOWLEDGE-BASED SYSTEMS

This unit assumes a background in conventional systems concepts, programming and database, and an exposure to fundamental expert systems concepts. Explores four major themes in knowledge-based systems: (a) conceptual: problem selection and structure, inference and knowledge representation; (b) technical: declarative and functional programming; (c) pragmatic: improving the yield from existing information base; and (d) methodological: questions associated with the definition, design and control of knowledge-based systems.

Courses: IT30, IT40

Prerequisites: ITB243 or equivalent

Credit Points: 12

Contact Hours: 3 per week

■ ITN238 ADVANCES IN INFORMATION RETRIEVAL

This unit is designed to run in conjunction with ITB244. Students demonstrate their knowledge of various research issues in information retrieval by problem solving and presentation of a seminar.

Courses: IT30, IT35/IT40

Credit Points: 12

Contact Hours: 3 per week

■ ITN241 ADVANCED TOPICS IN HUMAN-COMPUTER INTERACTION

The most significant issues and activities of human computer interaction and software design: includes the perceptual basis of the presentation of visual information, the basic aspects of visual information processing and facets of representation of knowledge; the development of expert systems and how they change the nature of interaction between person and machine and review features of interactions with systems, e.g. keyboards through to advanced input modes. On completion, students should be able to apply principles from the current research in difference aspects of human computer interactions and are aware of future developments in this field.

Courses: IT30, IT40

Prerequisites: ITB224 or equivalent

Credit Points: 12

Contact Hours: 3 per week

■ ITN244 SPECIAL TOPIC 1

These units are designed to allow for the significant development of, or emphasis in, information systems not dealt with in other course units. Selected topics and study areas are offered as required and when the necessary expertise is available. See School of Information Systems announcements for details of topics being offered.

Courses: IT30, IT40

Prerequisites: See School announcements

Credit Points: 12

Contact Hours: 3 per week

■ ITN245 SPECIAL TOPIC 2

These units are designed to allow for the significant development of, or emphasis in, information systems not dealt with in other course units. Selected topics and study areas are of-
Students may pursue a specialised area or broaden their knowledge in areas of relevance to their employment. Topic is decided by agreement between the student and a staff member acting as supervisor.

Courses: IT35 / IT40
Prerequisites: IT40
Credit Points: 12
Contact Hours: 3 per week

INFORMATION MANAGEMENT PROJECT 1 (IS)
Students may pursue a specialised area or broaden their knowledge in an area of relevance to their employment. Topic is decided by agreement between the student and a staff member acting as supervisor.

Courses: IT35 / IT40
Prerequisites: At least 60 credit points completed
Credit Points: 12
Contact Hours: 3 per week

INFORMATION MANAGEMENT PROJECT 2 (IS)
Students may pursue a specialised area or broaden their knowledge in an area of relevance to their employment. Topic is decided by agreement between the student and a staff member acting as supervisor.

Courses: IT35 / IT40
Prerequisites: At least 60 credit points completed
Credit Points: 12
Contact Hours: 3 per week

DISTRIBUTED DATABASE SYSTEMS
Distributed DBMS architectures, data replication and fragmentation; query decomposition and optimisation; transaction management in distributed settings; distributed concurrency control; recovery and multi-databases.

Courses: IT30, IT40
Prerequisites: ITB232 and ITN243
Credit Points: 12
Contact Hours: 3 per week

INFORMATION AGENCIES
In-depth understanding of the history and development of information agencies and their services, to enable approaches to their advancement based upon performance analysis and analysis of user needs.

Courses: IF64, IT30, IT40
Credit Points: 12
Contact Hours: 3 per week

INFORMATION POLICY & PLANNING
The relationship between the public and private sectors in information provision, and an examination of the information industry and corporate and government policies relating to it.

Courses: IF64, IT25, IT30, IT35 / IT40
Credit Points: 12
Contact Hours: 3 per week

INFORMATION MANAGEMENT
The information resource; information as an organisational resource; evolution of information resources management; management information systems; applications of environmental scanning; information technology management; information flows and information mapping; information resource evaluation; information management and business strategy; information added value; information and competitive advantage; social intelligence.

Courses: IT35 / IT40, IT25
Credit Points: 12
Contact Hours: 3 per week

INFORMATION SYSTEMS AUDIT
A general approach to IS auditing; the management controls framework; the application controls framework; security administration; audit software; the IS audit function; controls over asset safeguarding, data integrity, system effectiveness and efficiency.

Courses: IT40
Prerequisites: Completion of Information Management module 1
Credit Points: 12
Contact Hours: 3 per week

INFORMATION MANAGEMENT PROJECT 1
Students may pursue a specialised area or broaden their knowledge in areas of relevance to their employment. Topic is decided by agreement between the student and a staff member acting as supervisor.

Courses: IT40
Prerequisites: Dependent on individual topic
Credit Points: 12

INFORMATION MANAGEMENT PROJECT 2
Students may pursue a specialised area or broaden their knowledge in areas of relevance to their employment. Topic is decided by agreement between the student and a staff member acting as supervisor.

Courses: IT40
Prerequisites: Dependent on individual topic
Credit Points: 12

INFORMATION CONTEXTS
Survey research methods; proposal writing; ethics in the provision of information resources and information services; marketing of information services; user education; referral services; an overview of programs providing information resources and services for persons with special needs; developing reliable and valid measuring instruments for program evaluation.

Courses: IT40
Prerequisites: ITP329, MGN409
Credit Points: 12
Contact Hours: 3 per week

INFORMATION SOURCES 2
Role of the search intermediary and reference librarian; implications of a National Information Policy; news sources; other information sources related to R&D, long-range planning, marketing; advanced online, network and CDROM information retrieval; expert systems as tools in reference work.

Courses: IT40
Prerequisites: ITP328
Credit Points: 12
Contact Hours: 3 per week

INFORMATION ORGANISATION 2
Rules for description of material in library collections; application of computer-based cataloguing rules to all types of materials; comparison of description of materials in OPACs, MARC format, shared cataloguing and cataloguing networks; comparison of general classification systems and the use of main systems such as DDC and LC in libraries; alternative classification systems such as BSO; special classification systems for specific subject areas; development and use of structured interfaces to Internet resources.

Courses: IT40
Prerequisites: ITP327
Credit Points: 12
Contact Hours: 3 per week

ORGANISING MULTICULTURAL INFORMATION RESOURCES & SERVICES
Initial and ongoing information gathering and decision making required; market research for a multicultural service; coping with the transient nature of many ethnic groups in a given location; the particular problems of ageing ethnic communities; second and later generation Australian-born ethnic community members and their needs; the complexities of total illiteracy and monolanguage literacy; handling intra and inter ethnic group sensitivities and hostilities; non-English language resource providers; selection methodologies appropriate where in-library language expertise is nonexistent; providing effective resources catalogues; physical organisation of multiple language resource collections; linkages to the English language resources collection; space provision and signage for a multicultural service; marketing and public relations: targets, strategies and tactics.

Courses: IT40
Prerequisites: ITP329, ITP328, MGN409
Credit Points: 12
Contact Hours: 3 per week

INFORMATION RESOURCES FOR BUSINESS & INDUSTRY
Commercial information services: historical perspective on the types of services offered in academic, state, public and special libraries; consideration of the ongoing debate about the opposing philosophies of freedom of access to information versus a feebased information service; the information...
requirements of the business and industrial community and the implications for library services; investigation of what types of services are required and can be targeted to help further develop existing library resources (can our commercial information service run at a profit?); issues involved in selling information, including legal liabilities and ethical concerns; how to establish a fee-based service, including staff selection; staff skills, client relationships, confidentiality, management and location of the service; implications for the future; costs and the relationship of costs to the rapid expansion of the Internet.

Courses: IT40
Prerequisites: ITP328, ITP329, MGN409
Credit Points: 12
Contact Hours: 3 per week

■ ITN357 SPECIAL TOPIC – INFORMATION STUDIES
Topic developed on an individual basis.
Courses: IT40
Prerequisites: Dependent on individual topic
Credit Points: 12

■ ITN358 MANAGEMENT OF INFORMATION PROGRAMS
The specific role and functions of the manager of an information agency; social, ethical and legal responsibilities of information agencies; the managerial challenges associated with modern dependence on computer and other technologies in the day-to-day operations of information agencies; the need to prioritise an information agency’s resource and service commitments; report writing; aids to decision-making and decision implementation; skills and techniques for converting ‘good ideas’ into credible and persuasive plans; budgeting, cash flow and marketing in both profit and nonprofit information agencies.
Courses: IT40
Prerequisites: MGN409
Credit Points: 12
Contact Hours: 3 per week

■ ITN360 EVALUATION OF INFORMATION PROGRAMS
Project goal setting; project design and planning; evaluation/measurement tools, including locating appropriate tools and establishing their reliability and validity; implementing the project plan; managing the project within time and budget constraints; maintaining good relations with information service personnel; data analysis; report and recommendations.
Courses: IT40
Prerequisites: ITP329, ITP328, ITP330
Credit Points: 12
Contact Hours: 3 per week

■ ITN410 SOFTWARE PRINCIPLES
Use of efficient data structures; languages illustrating the variety of features found in computer programming languages; structured program design techniques; advanced algorithms and methods of providing program correctness.
Courses: IT40
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: IT422

■ ITN411 SYSTEMS ARCHITECTURE & OPERATING SYSTEMS
Computer organisation; the nature and roles of system software and the nature of microcomputers and computer graphics; computer systems architecture; micro-operations; instruction formats; microprocessor types; machine language; system software including operating systems, assemblers, compilers, loaders.
Courses: IT40
Corequisites: ITN410
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ITB412

■ ITN420 COMPARATIVE PROGRAMMING LANGUAGES
Language is the fundamental conceptual tool and means of expression within information technology so its principles need to be understood and the similarities and differences between different languages appreciated. This unit provides an understanding of the languages currently used and, importantly, in what directions they can be expected to develop. Language is also the major technical support for software engineering principles, and so can be seen as a large part of the solution to current and future software engineering problems.
Courses: IT30, IT40
Prerequisites: Knowledge of ADTs
Credit Points: 12
Contact Hours: 3 per week

■ ITN421 SOFTWARE SPECIFICATION
The use of formal methods is viewed as an integral part of the software engineering process. The unit includes formal specifications and uses the laws of refinement to derive Modula-2 code. Later temporal logic to deal with real-time issues is introduced.
Courses: IT30, IT40
Credit Points: 12
Contact Hours: 3 per week

■ ITN430 ADVANCED OPERATING SYSTEMS
This unit has two themes: the nature, design and implementation of real-time systems on the one hand, and the nature of object-oriented programming environments and operating systems on the other. The latter theme is further supported by the coverage of a number of relevant industry standards. Students are expected to be familiar with systems programming and object-oriented concepts.
Courses: IT30, IT40
Prerequisites: ITN410 and ITN411 (IT40 only)
Corequisites: ITB430
Credit Points: 12
Contact Hours: 3 per week

■ ITN431 DISTRIBUTED SYSTEMS
The rationale for distributed computer systems, their domain of application and the principles of distributed control underlying their construction. A number of representative systems are examined.
Courses: IT30, IT40
Prerequisites: ITB430
Credit Points: 12
Contact Hours: 3 per week

■ ITN440 ADVANCED GRAPHICS
Advanced level extension of the material in the undergraduate curriculum; the use of facilities provided by existing graphics systems.
Courses: IT30, IT40
Prerequisites: ITB441
Credit Points: 12
Contact Hours: 3 per week

■ ITN441 ARTIFICIAL INTELLIGENCE
Artificial intelligence in the computing industry; aspects of artificial intelligence which have given rise to commercial products; background research efforts which promise to have a major impact on the use of computers in the near future.
Courses: IT30, IT40
Prerequisites: ITB442
Credit Points: 12
Contact Hours: 3 per week

■ ITN442 COMPILER CONSTRUCTION
The organisation and structure of language translator and compilers. Some emphasis is placed on those parts of these software tools which are amenable to formal analysis. The material extends undergraduate studies in algorithm design and in the semantics of formal languages. Special attention is paid to techniques which are applicable in the implementation of special purpose languages such as database query languages and production systems.
Courses: IT30, IT40
Prerequisites: ITB440
Credit Points: 12
Contact Hours: 3 per week

■ ITN443 NEUROCOMPUTING
An introduction to the principles upon which current artificial neural network computing is based, giving examples of current applications, and exploring the potential future development of the technology.
Courses: IT30, IT40
Credit Points: 12
Contact Hours: 3 per week

■ ITN444 PARALLEL PROGRAMMING
An introduction to parallel programming and parallel computing in general. A practical emphasis is placed on parallel program design and construction using different languages and paradigms.
Courses: IT30, IT40, IT25
Credit Points: 12
Contact Hours: 3 per week
■ ITN445 PATTERN RECOGNITION
Introduction of new methods for producing more powerful software for tasks traditionally considered as requiring intelligence. Hands-on experience is provided by computer simulations exercises and assignments using MATLAB.
Contact Hours: 3 per week

■ ITN446 MINOR PROJECT 1 (CS)
Students may pursue a specialised area or broaden their knowledge in an area of relevance to their employment. Topic is decided by agreement between the student and a staff member acting as supervisor.
Courses: IT40
Prerequisites: At least 60 credit points completed
Credit Points: 12
Contact Hours: 3 per week

■ ITN447 SPECIAL STUDIES
Aspects of current scientific research interest; it makes allowances for significant developments in computing science not provided for in the remainder of the course program. See noticeboard for further information.
Courses: IT30, IT40
Contact Hours: 3 per week

■ ITN449 MINOR PROJECT 2 (CS)
Students may pursue a specialised area or broaden their knowledge in an area of relevance to their employment. Topic is decided by agreement between the student and a staff member acting as supervisor.
Courses: IT35/IT40
Prerequisites: At least 72 credit points completed
Credit Points: 12
Contact Hours: 3 per week

■ ITN510 DATA NETWORKS
Basic data communications and topics of fundamental importance concerning the technology and architecture of data networks at a postgraduate level. It emphasises communications software and hardware, telecommunication services, local area networks, wide area networks, interconnectivity and network management.
Courses: IT35/IT40
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ITB510 or ITB520

■ ITN520 INTERNETWORKING
Students entering the field of computer networks are expected to possess practical skills in various aspects of the installation and management of communications systems, particularly local area networks.
Courses: IT35/IT40
Prerequisites: ITN510 and ITN410
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ITB521 or ITB523

■ ITN521 NETWORK APPLICATIONS
Students will study the distributed application services offered by open networking technologies. The international standards pertaining to these distributed application services will also be studied (mainly those using the OSI and TCP/IP communications technologies). Students will also gain insight into future industry trends in the area of open systems.
Courses: IT35/IT40
Prerequisites: ITN510 and ITN410
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: ITB531

■ ITN526 MINOR PROJECT 1 (DC)
Students may pursue a specialised area or broaden their knowledge in an area of relevance to their employment. Topic is decided by agreement between the student and a staff member acting as supervisor.
Courses: IT35/IT40
Prerequisites: At least 60 credit points completed
Credit Points: 12
Contact Hours: 3 per week

■ ITN528 MINOR PROJECT 2 (DC)
Students may pursue a specialised area or broaden their knowledge in an area of relevance to their employment. Topic is decided by agreement between the student and a staff member acting as supervisor.
Courses: IT35/IT40
Prerequisites: At least 60 credit points completed
Credit Points: 12
Contact Hours: 3 per week

■ ITN530 CORPORATE TELECOMMUNICATIONS
The issues of design, control, security and management of enterprise-wide networks. The corporate network encompasses integrating a company’s telecommunications systems, including local area networks, metropolitan area networks, wide area networks (national and international), voice networks, and other special services.
Courses: IT30, IT35/IT40
Prerequisites: ITN521
Credit Points: 12
Contact Hours: 3 per week

■ ITN531 NETWORK SECURITY
Ensures that students recognise the requirement to design, implement and manage facilities in a manner consistent with an overall organisational security policy. Development of a security plan; risk analysis; access control; cryptography; network security and encryption; key management; database security; secure operating systems and access control. On completion, students should be able to incorporate security and management controls into information systems in accordance with a formal risk analysis and assessment for the system.
Courses: IT30, IT35/IT40
Prerequisites: ITB543 or ITB548 and ITN520 or ITB521 or ITB523
Credit Points: 12
Contact Hours: 3 per week

■ ITN535 ACCESS CONTROL
Examines access control in terms of managing users’ access to systems and files; study of smart cards and the use of smart cards in access control systems; investigates the issues of trusted systems and the Common Criteria used for evaluating systems; studies the role of access control in networks, biometric systems and the legalities of access control.
Courses: IT30, IT35/IT40
Prerequisites: ITN410 or ITB422 and ITN520 or ITB521 or ITB523
Credit Points: 12
Contact Hours: 3 per week

■ ITN536 TOPICS IN SECURITY
Puts the role of security services and mechanisms into perspective; demonstrates how security services can form part of a secure system; makes use of case studies to illustrate real world problems; typical case studies may include: secure electronic mail, secure telephones, electronic commerce, security of medical information, secure mobile communications, satellite TV; each student will conduct their own case study of a particular application.
Courses: IT30, IT35/IT40
Prerequisites: ITN510 or ITB520 or ITB510
Corequisites: ITB548 or ITB543
Credit Points: 12
Contact Hours: 3 per week

■ ITN537 INFORMATION SECURITY MANAGEMENT
Developments in the information security environment of organisations; development of an information security framework and international standards on information security management; formulation of security policy; security organisation; assets classification and control; personnel security; physical and environmental security; computer and network management; system access control; system development and maintenance.
Courses: IT30, IT35/IT40
Prerequisites: ITB543 or ITB548
Credit Points: 12
Contact Hours: 3 per week

■ ITN540 ADVANCED NETWORK TECHNOLOGIES
Details the latest network technologies for moving information across the room or across the world. Investigates the network protocols used in the transport of information using this
new hardware.
Courses: IT30, IT35/IT40  
Prerequisites: ITB530  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: ITB541

■ ITN553 OS SECURITY & MANAGEMENT
Computer professionals need to be able to identify, assess, and advise on the security features (in particular the enforcement techniques used) in computer systems.
Courses: IT30, IT35/IT40  
Credit Points: 12

■ ITN554 SPECIAL TOPIC
An advanced topic in data networks is studied in detail. The topic concerned will depend on the interests of the Faculty member or visitor responsible for the unit in any semester in which the unit is offered.
Courses: IT30, IT35/IT40  
Prerequisites: Approval of Head of School of Data Communications  
Credit Points: 12  
Contact Hours: 3 per week

■ ITN555 SPECIAL TOPIC
Refer to ITN554.
Courses: IT30  
Credit Points: 12

■ ITN556 ADVANCED TOPICS IN CRYPTOLOGY
Design and cryptanalysis of ciphers; indepth study of methods for forming secure ciphers and attacking various ciphers; secret sharing schemes; crypto-protocols, including zero knowledge systems; current topics in cryptology.
Courses: IT30, IT35/IT40  
Prerequisites: ITB548  
Credit Points: 12  
Contact Hours: 3 per week

■ ITP312 ORGANISATION OF KNOWLEDGE
The organisation of knowledge in libraries and information agencies. Emphasis is placed on the description, classification and subject analysis of information in print media using AACR2 (1988 revision), DDC and LCSH. Other related topics are mentioned briefly, e.g. LCC, MARC, ABN and other efforts.
Courses: JS25, IT20  
Credit Points: 12  
Contact Hours: 3 per week

■ ITP327 INFORMATION ORGANISATION 1
Description of recorded knowledge in its various forms, rules and standards for description and organisation in different environments; database creation, control and report formats; comparison of bibliographic and nonbibliographic report formats; citation and citation software; content analysis and vocabulary control; indexing and indexing display formats; classification and introduction to general classification systems, and comparison with subject-specific systems.
Courses: IT25  
Credit Points: 12  
Contact Hours: 3 per week

■ ITP328 INFORMATION SOURCES 1
Different media and the publishing process; primary, secondary and tertiary published information resources; critical success factors and environmental scanning; what environmental scanning is and how it works; characteristics of resources in the humanities, social sciences, sciences and technology; ‘lead in’ tools, general reference tools, abstracting and indexing services both hard copy and machine readable; conducting a client interview; selecting an online or hardcopy database, selecting a database provider, developing a search strategy, designing a search query; the proliferation of Internet resources; identification and location of specialist publications.
Courses: IT25  
Credit Points: 12  
Contact Hours: 3 per week

■ ITP329 INFORMATION RESOURCES PROVISION
The concept of information and the information life cycle; intellectual property and intellectual freedom; assessing community information needs and wants; evaluation and maintenance of resource collections; cooperative collection development and resource sharing; the multifaceted role of conspicuity; writing and testing a collection policy document; print, nonprint and multimedia publishers/producers; legal and ethical issues in information resource provision; locating alternative information resource providers; selection aids and tools for acquiring information resource items; techniques for assessing community information needs.
Courses: IT25  
Credit Points: 12  
Contact Hours: 3 per week

■ ITP330 PROFESSIONAL PRACTICE
Historical perspective of the role of libraries and information agencies; alternative approaches and technologies for information provision and dissemination; processes and techniques of communication; social and legal framework affecting information provision; the role of librarians and other information professionals; field experience involving day to day employment in a library or other information agency.
Courses: IT25  
Credit Points: 12  
Contact Hours: 3 per week

■ JSB011 SOCIAL ISSUES FOR JUSTICE PROFESSIONALS 1
This unit introduces students to the concepts of race, ethnicity, class and gender in order to provide a framework for understanding the way in which inequality is produced and reproduced. This unit will argue that such knowledge informs our interpretation and understanding of justice and injustice in Australian society.
Courses: JS31, JS33, LW41  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: JSB101

■ JSB012 COMMUNICATION FOR JUSTICE PROFESSIONALS
Personnel in human service agencies such as law enforcement and justice administration are highly dependent upon communication skills. In particular, good written communication is essential. It is also essential for academic success. This unit aims to lay the foundation for effective writing skills which will form the basis for academic success and professional competence. Students will be assisted to think, plan and write effectively and will be encouraged to assess and improve the technical aspects of their writing and to explore and practise a variety of writing styles.
Courses: JS31, JS33, LW41  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: JSB104

■ JSB013 LAW & GOVERNMENT 1
This unit introduces students to institutions of government and law, with an emphasis on the criminal justice system and its aims and objectives. Government and legal processes have recently been subject to increased scrutiny across Australia, and particularly in Queensland. In response to this, the unit provides students with an understanding of the relationship between law and society, and of calls for reform of the criminal justice system. The unit aims to assist students to develop the depth and breadth of knowledge on these issues necessary for their participation in legal and government institutions as justice professionals.
Courses: JS31, JS33  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: JSB103

■ JSB014 INTRODUCTION TO JUSTICE STUDIES
Justice Studies adopts a multidisciplinary approach to knowledge. Several disciplines such as sociology, psychology, criminology, philosophy and law form the basis of the Justice Studies program. This subject will focus on these different knowledge bases of various professions used to inform their research and practice.
Courses: JS31, JS33, LW41  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: JSB108

■ JSB015 SOCIAL ISSUES FOR JUSTICE PROFESSIONALS 2
This unit uses the knowledge and understanding of inequality and injustice gained in JSB011 to introduce students to the
concepts of rights, equality, justice and citizenship. These concepts form the basis for a more detailed explanation of social justice and its relationship to criminal justice.

**Courses:** JS31, JS33, LW41

**Prerequisites:** JSB011, JSB012

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB202

**JSB016 INTERPERSONAL SKILLS FOR JUSTICE PROFESSIONALS**

Skills development and their application in relation to the self and in interaction with others. Both functional and dysfunctional styles are examined.

**Courses:** JS31, JS33, LW41

**Prerequisites:** JSB012

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB105

**JSB017 LAW & GOVERNMENT 2**

This unit introduces students to the fundamental principles which form the basis of systems and processes of Australian government at federal and state levels, including an exploration of alternative systems of government found in other jurisdictions. The unit also critically examines the role of government in policy development, in making and administering the law, and in the operation of specific public laws, such as freedom of information, privacy laws and anti-discrimination laws. The unit aims to provide students with a knowledge of political and legal issues crucial to their participation as professionals in the justice system.

**Courses:** JS31, JS33, LW41

**Prerequisites:** JSB012, JSB013

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB216

**JSB018 CRIMINOLOGY 1**

This unit traces the development of theories of criminal behaviour and criminal law from the Enlightenment to the present day. Examination will also be made of the impact criminological theory has upon institutional practices within the criminal justice system.

**Courses:** JS31, JS33, LW41

**Prerequisites:** JSB012

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB107

**JSB021 CRIMINOLOGY 2**

Examination of the theories of punishment. Having defined punishment and the nature and limits of the criminal law, students assess the traditional justifications for punishment: retribution and just deserts, deterrence, rehabilitation and elimination and incapacitation. Justifications for severity of punishment, the control of judicial discretion and the political significance of punishment are examined. Options for reform are also canvassed.

**Courses:** JS31, JS33, LW41

**Prerequisites:** JSB018

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB304

**JSB022 PRINCIPLES OF CRIMINAL LAW 1**

This subject exposes students to fundamental principles of criminal law as well as the social and political forces that shape those laws. It focuses on crimes of violence including sexual assault, child abuse, elder abuse and domestic violence. It also looks at criminal defences and property offences.

**Courses:** JS31, JS33, LW41

**Prerequisites:** JSB017

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB201

**JSB023 HUMAN DYNAMICS & THE CRIMINAL JUSTICE PROCESS 1**

The human factors involving personality, inheritance and moral development, and crime are explored in the context of policing, the courts and the correctional system. Eyewitness testimony, offender rehabilitation and societal reactions are examined.

**Courses:** JS31, JS33, LW41

**Prerequisites:** JSB016

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB203

**JSB024 PRINCIPLES OF CRIMINAL LAW 2**

This subject exposes students to fundamental principles of criminal law as well as the social and political forces that shape those laws in the areas of crimes of morality; drug, traffic and public order offences; war crimes and hate crimes; state corruption and whistleblowers; white collar crime, proceeds of crime and victims of crime. It also looks at the due process aspects of criminal procedure.

**Courses:** JS31, JS33, LW41

**Prerequisites:** JSB022

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB204

**JSB031 INVESTIGATION & EVIDENCE**

Professionals involved in the fields of law enforcement and justice administration are frequently required to exercise investigatory skills. This unit provides students with a clear understanding of the law relating to the gathering of evidence, interrogation and admissibility of evidence in court. Study includes an examination of the general principles of judicial evidence, witnesses, rules of evidence, admissions and confessions. Issues of evidence of current importance (e.g. issues arising out of inquiries such as ‘Operation Trident’, new forms of evidence such as DNA, phone taps and the erosion of the right to silence) are also to be explored.

**Courses:** JS31, JS33, LW41

**Prerequisites:** JSB024

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB301

**JSB032 ALTERNATIVE JUSTICE PROCESSES**

The state approach to conflict and dispute resolution is examined, highlighting the differences between the institutionalised legal system and alternatives promised by other schemes. This subject takes both a theoretical and a practical focus, with skills training comprising an important part of tutorials. A critical examination of the policies, philosophy and the practice of dispute resolution is undertaken in order to best apprise justice professionals of their personal and professional options when faced by conflict.

**Courses:** JS31, JS33, LW41

**Prerequisites:** JSB017

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB303

**JSB034 JUSTICE & ACCOUNTABILITY**

This unit provides students with a working knowledge of what accountability entails as a professional within the justice arena. The areas covered include a comprehensive overview of the personal, social and legal dimensions of accountability as well as a project work component on formulating your own position on accountable practices in a particular work context.

**Courses:** JS31, JS33, LW41

**Credit Points:** 12

**Contact Hours:** 3 per week

**JSB051 INTRODUCTION TO CRIMINAL LAW & EVIDENCE**

The basic principles, rules and concepts of criminal law and evidence; the understanding and applications of such principles, concepts and rules as they relate to the operation of the criminal justice system.

**Courses:** JS31, JS33

**Prerequisites:** JSB013, JSB014

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB109

**JSB052 POLICE PROCEDURE & PRACTICE**

The role and function of policing; enforcement practices; non-arrest, arrest situations; supporting documentation; evidentiary sources and gathering methodology.

**Courses:** JS31, JS33, LW41

**Prerequisites:** JSB051

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB210

**JSB053 ORGANISED CRIME**

The apparent growth of organised crime, both nationally and
Incompatible with:
JSB062 PROTECTIVE SECURITY – THEORY & PRACTICE

The unit integrates the work from JSB061 with research methodologies. An emphasis is placed on systematic enquiry, naturalistic research and qualitative approaches addressing goal selection, types of data, methods of collection methods in processing, and the production of a research proposal.

Courses: JS31, JS33, LW41  
Prerequisites: JSB061  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: JSB313

■ JSB064 PROTECTIVE SECURITY – ISSUES & PRACTICE

Personnel, material, physical and information security are the main areas with protective security. This unit covers the methods and techniques for the collection of information and its management and analysis. Students conduct formal audits and complete written reports on their findings. Planning and controlling the flow of information and analysis tools are studied.

Courses: JS31, JS33, LW41  
Prerequisites: JSB062  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: JSB311

■ JSB065 INTELLIGENCE & NATIONAL SECURITY

The unit critically examines the notions and concepts of National Security. It explores functions, roles and responsibilities for national security in the Australian context. The basic tenet is that intelligence and security are support functions that ensure the safety, security and quality of life within a nation. These concepts of security and intelligence, the essentials of an intelligence system, and multidisciplinary factors are applied to issues related to environment, economy and society. The principal focus will be on issues that constitute actual and potential threats to national security in Australia in the 1990s, and on examination of the means available and obstacles to support threat management.

Courses: JS31, JS33  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: JSB221

■ JSB066 MANAGEMENT OF PROTECTIVE SECURITY

The security function and its performance are considered under a series of topics: formulating a security policy and monitoring its performance; responsibility for security; employment of security staff; training security staff; security of records and reports; conducting surveys and report writing; security of buildings and sites; conference security; security and control of road transport; fire and accident prevention; aids to security; professional bodies; and law and practice.

Courses: JS31, JS33  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: JSB222

■ JSB067 INTELLIGENCE, ORGANISATIONS, PERSONNEL & OPERATIONS

The unit is concerned with the management of intelligence and security personnel and operations. It recognises the need for managers to be attuned to the context and environment in which they are operating. The unit examines organisational structures against proven principles. It acknowledges the importance of people, and examines the specific needs of personnel systems in the intelligence and security business. Finally, it looks at the processes to plan and conduct efficient operations. Ethical and legal consideration, and the requirement for strict accountability, are emphasised throughout.

Courses: JS31, JS33  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: JSB223

■ JSB068 PROTECTIVE SECURITY IN AUTOMATED SYSTEMS

Principles of protective security are applied to automated systems. Intelligence production is examined through existing data collection, collation and analysis programs (including computerised investigation aids). The unit addresses: the threat to automated systems (e.g. espionage, sabotage, coercion,
fraud; available security products; studies of hardware and software security; access controls, networks, data transmission security, and maintenance controls; planning of secure sites; case histories and methods by which security can be breached; and future directions in law enforcement technology and computers.

**Courses:** JS31, JS33

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB230

**JSB071 CORRECTIONS & THE COMMUNITY 1**

The forerunners of the custodial and community correctional systems and their influence are explored in respect to current correctional processes and philosophies. Contemporary conflicting models and their implications are examined.

**Courses:** JS31, JS33, LW41

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB217

**JSB072 CORRECTIONS & THE COMMUNITY 2**

Contemporary formal and informal custodial and community corrections processes and procedures are presented. The interaction of correctional policies and community programs is discussed.

**Courses:** JS31, JS33, LW41

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB218

**JSB073 CORRECTIONS & THE COMMUNITY 3**

The correctional setting and its impact on staff and inmates is examined. Special groups – their unique needs and treatment strategies – are discussed in the context of policies and procedures.

**Courses:** JS31, JS33, LW41

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB317

**JSB074 CORRECTIONS & THE COMMUNITY 4**

Evaluation of alternative models of corrections is undertaken, and controversial issues explored. Fiscal constraints and administrative dilemmas according to international trends are examined and determined made as to the present and future effectiveness of the correctional system.

**Courses:** JS31, JS33, LW41

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB318

**JSB081 LAW & PUBLIC POLICY**

This unit introduces students to the practice of public policy formulation and development with specific emphasis on the legislative and legal implications of policy work. The unit adopts a community-based approach to the policy process as the vehicle for learning the micro-skills of policy consultation, analysis and writing.

**Courses:** JS31, JS33, LW41

**Credit Points:** 12

**Contact Hours:** 3 per week

**JSB082 LEGAL RIGHTS & RESPONSIBILITIES**

Society demands certain responsibilities from persons classed as adults. Rights and duties fall to the adult person in some of the most important aspects in the accepted lifestyle in our society in terms of housing, relationships and employment. These responsibilities will encompass the majority of adult life. A reasoned analysis of the legal responsibilities involved in housing, marriage and employment is essential.

**Courses:** ED50, JS31, JS33

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB005

**JSB083 ADMINISTRATIVE LAW & JUSTICE**

Mechanisms of state accountability, their practice and philosophy are examined in order to give justice professionals a working knowledge of their operation. Open government, fair decision-making and administrative justice are key concerns within this field. Merits review, judicial review, freedom of information and the ombuds office are all critiqued and their procedures considered in light of a greater framework of social justice.

**Courses:** JS31, JS33, LW41

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB316

**JSB084 JUSTICE & HUMAN RIGHTS**

The political and philosophical constructions known as rights are becoming increasingly important in the Australian justice professions. Both international and domestic documents are analysed in order to develop a cohesive framework of rights in the justice domain. Policy considerations are explored and much of the other material covered in the minor is tied together in the context of human rights policy research.

**Courses:** ED50, JS31, JS33, LW41

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB314

**JSB085 LAW & LEGAL INSTITUTIONS**

Provides students with a sound knowledge of relevant legal institutions and procedures, as well as assisting students to develop an ability to analyse and critique both the strengths and weaknesses inherent in our legal system. In so doing, the unit traces the development of law in Australia from its early beginnings to the present, as an outcome of meeting the needs of a changing society.

**Courses:** ED50, JS31, JS33

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB001

**JSB086 LAW OF CIVIL OBLIGATIONS 1**

The development of the law of contract; law governing the formation of contracts; application of the principles of contract law; matters affecting the validity of contracts; remedies for breach of contract; role of equity in modifying common law rules of contract; rational and objective methods in analysing socio-legal issues in contracts, and an analysis of overlaps between tort and contract.

**Courses:** ED50, JS31, JS33

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB002

**JSB087 LAW OF CIVIL OBLIGATIONS 2**

The theoretical bases of Law of Tort in Australia; different types of tort and remedies; application of Law of Tort to case studies; examination of principles through specific decisions in Tort; Tortious remedies available within the social context and an analysis of overlaps between Tort and contract.

**Courses:** ED50, JS31, JS33

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB003

**JSB088 CRIMINAL LAW & PROCEDURE**

The theoretical basis of Criminal Law in Queensland; application of the law to case studies; use of rational and objective methods when examining legal issues; how criminal law operates in practice within a legal and social context; analysis of the balance between the rights of citizens and police powers, and emergence of a victim-centred criminal justice system.

**Courses:** ED50, JS31, JS33

**Credit Points:** 12

**Prerequisites:** JSB085

**Incompatible with:** JSB004

**JSB091 RESEARCH DESIGN & METHODOLOGY**

This unit introduces a range of theoretical and applied research methodologies and designs used in the social sciences. It considers both quantitative and qualitative approaches to the research process and to the analysis of data, and it encourages a critical approach to the framing of research questions and to testing research hypotheses. Students will be given practice in the use of a number of data analysis tools.

**Courses:** JS31, JS33

**Credit Points:** 12

**Contact Hours:** 3 per week

**Incompatible with:** JSB004

**JSB092 APPLIED JUSTICE RESEARCH**

This project study unit allows students undertaking the Law Enforcement professional minor to study a topic of personal academic interest which is not otherwise available as a formal subject in the area of policing. This unit differs from other units within the professional minor in that there are a mini-
um of scheduled lectures and the initiative to choose the topic and to organise the project must come from the students. Students choose a research topic related to contemporary law enforcement issues or activities.

**Courses**: JSJ31, JSJ33, LW41

**Credit Points**: 12

**Contact Hours**: 3 per week

**Incompatible with**: JSB312

**JSB401 APPLIED CRIMINOLOGY**

This unit examines key and emerging issues in criminological debate such as the fear of crime, the role of the victim, criminal careers, white collar crime and crime prevention.

**Courses**: JS40

**Credit Points**: 12

**Contact Hours**: 3 per week

**JSB402 PROFESSIONAL STUDIES 1**

This unit is designed to enable students either to extend studies within an area of professional expertise or to extend their knowledge, skills and expertise in another area of professional study. Students may choose from one of the four professional areas on offer: Law Enforcement; Intelligence and Security; Corrections and the Community; or Legal and Justice Policy.

**Courses**: JS40

**Prerequisites**: Completion of a professional minor, or equivalent

**Credit Points**: 12

**Contact Hours**: 3 per week

**JSB403 PROFESSIONAL STUDIES 2**

This unit is designed to enable students to extend studies commenced in the unit JSB402. This will allow for the completion of a secondary major or extended study in one of the four professional areas on offer: Law Enforcement; Intelligence and Security; Corrections and the Community; or Legal and Justice Policy.

**Courses**: JS40

**Prerequisites**: JSB402

**Credit Points**: 12

**Contact Hours**: 3 per week

**JSB404 THESIS**

This initial unit will offer students the opportunity to prepare the groundwork for the 15,000 word thesis, which is a major part of the Honours program. The thesis must reflect the student’s ability to conceptualise, theorise and implement an appropriate research project.

**Courses**: JS40

**Prerequisites**: JSB091

**Credit Points**: 12

**Contact Hours**: 3 per week

**JSB405 JUSTICE ORGANISATIONS**

This unit explores organisational issues which impact on the separate organisations such as the police, corrective services, the courts, etc. which comprise the justice system. Specific topics will be approached from the perspective of the individual, the groups to which the individual belongs, and the organisation which is made up of these groups. Among the topics studied will be individual behaviour, attitudes and values; group dynamics, communication and leadership; and organisational structure, culture and change.

**Courses**: JS40

**Credit Points**: 12

**Contact Hours**: 3 per week

**JSB406 THESIS**

Students are required to submit a research thesis of approximately 15,000 words. It is expected that the thesis will be based upon an empirical study of a particular field related to the justice professions.

**Courses**: JS40

**Credit Points**: 36

**Prerequisites**: JSB404

**Contact Hours**: 3 per week

**JSB407 THESIS**

Part-time students are required to submit a research thesis of approximately 15,000 words. It is expected that the thesis will be based upon an empirical study of a particular field related to the justice professions.

**Courses**: JS40

**Credit Points**: 12

**Prerequisites**: JSB404

**Contact Hours**: 3 per week

**JSB408 THESIS**

Part-time students are required to submit a research thesis of approximately 15,000 words. It is expected that the thesis will be based upon an empirical study of a particular field related to the justice professions.

**Courses**: JS40

**Credit Points**: 12

**Prerequisites**: JSB404

**Contact Hours**: 3 per week

**JSN001 THEORIES OF JUSTICE 1**

This unit is centrally concerned with clarifying the assumptions which underpin arguments about what is ‘just’ or ‘unjust’ within various spheres of contemporary Australian society. The unit provides a framework for evaluating the relative usefulness of various theories of justice in terms of their theoretical implications and practical applications. The areas covered include justice in relation to postmodernism, the environment, welfare, the law, religion, women and other cultures.

**Courses**: JS51

**Credit Points**: 12

**Contact Hours**: 3 per week

**JSN002 THEORETICAL CRIMINOLOGY**

This unit traces the development of theories of crime from the Enlightenment to the present day. Special attention is paid to current theoretical debate and developments.

**Courses**: JS51

**Credit Points**: 12

**Contact Hours**: 3 per week

**JSN003 APPLIED CRIMINOLOGY**

This unit examines key and emerging issues in criminological debate such as the fear of crime, the role of the victim, criminal careers, white collar crime and crime prevention.

**Courses**: JS51

**Credit Points**: 12

**Contact Hours**: 3 per week

**JSN004 ISSUES IN CRIMINAL JUSTICE**

This unit examines the issue of domestic violence from an interdisciplinary perspective with an emphasis on the criminal justice system response. It will cover topics such as spousal abuse; abuse by relatives; dating violence; abuse in Aboriginal & NESB communities. It will look at the criminal law and the protection orders in Queensland and in other jurisdictions.

**Courses**: JS51

**Credit Points**: 12

**Contact Hours**: 3 per week

**JSN005 THEORIES OF JUSTICE 2**

This unit extends and develops ideas and theories introduced in Theories of Justice I. It will allow clear and coherent distinctions to be made about the relative usefulness of competing claims for legitimacy by various justice theorists. The unit focuses upon the interface between public/social policy and the law’s claim to be an instrument of social transformation. It will consider the ways in which ideas of justice, the law and social policy are grounded in theoretical and ideological positions, as well as being reflective of particular ontogenic stages of moral reasoning.

**Courses**: JS51

**Prerequisites**: JSN001

**Credit Points**: 12

**Contact Hours**: 3 per week

**JSN006 INDEPENDENT STUDY 1**

This unit is designed to enable students to pursue particular aspects of their coursework or of professional interest in more depth. It is an opportunity for students to refine and develop research skills. Students are required to complete a piece of research under the guidance of an academic supervisor.

**Courses**: JS51

**Credit Points**: 12

**Contact Hours**: 3 per week

**JSN007 INDEPENDENT STUDY 2**

This unit is a continuation of the unit JSN006 – Independent Study 1 and offers students the opportunity to extend further aspects of their coursework or of professional interest in more depth, as well as to continue the process of refining and developing research skills.

**Courses**: JS51

**Prerequisites**: JSN006

**Credit Points**: 12

**Contact Hours**: 3 per week

**JSP001 LAW & GOVERNMENT 1**

This unit introduces students to institutions of government and law, with an emphasis on the criminal justice system and its aims and objectives. Government and legal processes have recently been subject to increased scrutiny across Australia, and particularly in Queensland. In response to this, the unit provides students with an understanding of the rela-
relationship between law and society, and of calls for reform of the criminal justice system. The unit aims to assist students to develop the depth and breadth of knowledge on these issues necessary for their participation in legal and government institutions as justice professionals.

**Courses:** JS41
**Credit Points:** 12  
**Contact Hours:** 3 per week

**JSP002 PRINCIPLES OF CRIMINAL LAW 1**
This subject exposes students to fundamental principles of criminal law as well as the social and political forces that shape those laws. It focuses on crimes of violence including sexual assault, child abuse, elder abuse and domestic violence. It also looks at criminal defences and property offences.

**Courses:** JS41  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**JSP003 LAW & GOVERNMENT 2**
This unit introduces students to the fundamental principles which form the basis of systems and processes of Australian government at federal and state levels, including an exploration of alternative systems of government found in other jurisdictions. The unit also critically examines the role of government in policy development, in making and administering the law, and in the operation of specific public laws, such as freedom of information, privacy laws and anti-discrimination laws. The unit aims to provide students with a knowledge of political and legal issues crucial to their participation as professionals in the justice system.

**Courses:** JS41  
**Credit Points:** 12  
**Prerequisites:** JSP001  
**Contact Hours:** 3 per week

**JSP004 PRINCIPLES OF CRIMINAL LAW 2**
This subject exposes students to fundamental principles of criminal law as well as the social and political forces that shape those laws in the areas of crimes of morality: drug, traffic and public order offences; war crimes and hate crimes; state corruption and whistleblowers; white collar crime, proceeds of crime and victims of crime. It also looks at the due process aspects of criminal procedure.

**Courses:** JS41  
**Credit Points:** 12  
**Prerequisites:** JSP002  
**Contact Hours:** 3 per week

**JSP051 INTRODUCTION TO CRIMINAL LAW & EVIDENCE**
The basic principles, rules and concepts of criminal law and evidence; the understanding and applications of such principles, concepts and rules as they relate to the operation of the criminal justice system.

**Courses:** JS41  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**JSP052 POLICE PROCEDURE & PRACTICE**
The role and function of policing; enforcement practices: non-arrest, arrest situations; supporting documentation; evidentiary sources and gathering methodology; crime trends and their impact on policing practices.

**Courses:** JS41  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**JSP053 ORGANISED CRIME**
The apparent growth of organised crime, both nationally and internationally, in recent years has resulted in a deepening commitment on the part of the law enforcement agencies to its suppression. Although not confined to the association with illicit drugs, the so-called drug trade is a major enterprise behind the proliferation of organised crime. Another consequence of organised crime is the development of corruption through the diverse levels of society. Students therefore gain an understanding of the historical development, social perceptions and consequences and the perceived extent of organised crime. Students also consider the strategies employed to combat organised crime including the extent of investigation and/or Commissions of Inquiry documented to date.

**Courses:** JS41  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**JSP054 ISSUES IN POLICING**
This unit endeavours to expose students to the multifarious nature of policing and the impact that societal developments have on policing and vice versa.

**Courses:** JS41  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**JSP061 PROCESS THEORY & APPLICATION**
Studies take a generic approach to intelligence while examples are predominantly crime-related. This unit addresses: the principles of intelligence (the essentials of any intelligence system); the intelligence research process (cycle); the interdependent model of intelligence and security; thinking and creative problem solving; personal characteristics of the professional; interpersonal effectiveness skills and culture; and analytical style.

**Courses:** JS41  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**JSP062 PROTECTIVE SECURITY – THEORY & APPLICATION**
Protective Security covers all facets of society. It is often viewed in a narrow context. This unit expands the concept of Protective Security and illustrates its relevance and professional application to society as a whole. The conventional functional areas of security are addressed as well as the recognition of new areas where confidentiality and integrity are important. This subject concentrates on the theories, principles and their practical applications to the three major areas of Personnel, Material and Infrastructure.

**Courses:** JS41  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**JSP063 INTELLIGENCE RESEARCH – ISSUES, PROCEDURES & PRACTICE**
This unit integrates the work from JSP061 with research methodologies. An emphasis is placed on systematic enquiry, naturalistic research and qualitative approaches addressing goal selection, types of data, methods of collection, methods in processing, and the production of research proposal.

**Courses:** JS41  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**JSP064 PROTECTIVE SECURITY – ISSUES & PRACTICE**
Personnel, material, physical and information security are the main areas with protective security. This unit covers the methods and techniques for the collection of information and its management and analysis. Students conduct formal audits and complete written reports on their findings. Planning and controlling the flow of information; anacapa, scan and other analysis tools are studied.

**Courses:** JS41  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**JSP071 CORRECTIONS & THE COMMUNITY 1**
The forerunners of the custodial and community correctional systems and their influence are explored in respect to current correctional processes and philosophies. Contemporary conflicting models and their implications are examined.

**Courses:** JS41  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**JSP072 CORRECTIONS & THE COMMUNITY 2**
Contemporary formal and informal custodial and community corrections processes and procedures are presented. The interaction of correctional policies and community programs is discussed.

**Courses:** JS41  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**JSP073 CORRECTIONS & THE COMMUNITY 3**
The correctional setting and its impact on staff and inmates are examined. Special groups – their unique needs and treatment strategies – are discussed in the context of policies and procedures.

**Courses:** JS41  
**Credit Points:** 12  
**Contact Hours:** 3 per week
LAB322 LITERATURE IN TEACHING

- Evaluation of alternative models of corrections is undertaken, and controversial issues explored. Fiscal constraints and administrative dilemmas according to international trends are examined and determination made as to the present and future effectiveness of the correctional system.
- Courses: JS41
- Credit Points: 12
- Contact Hours: 3 per week

LAB323 TEACHING ADOLESCENT LITERATURE

- The scope and nature of young adult literature; strategies for evaluation and selection; recent research into adolescents' reading needs, interests and responses; using young adult books in the curriculum.
- Courses: ED50, ED51
- Credit Points: 12
- Prerequisites: HUB100
- Contact Hours: 3 per week

LAB324 LOTE CURRICULUM STUDIES 1

- The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
- Courses: ED50, ED54
- Credit Points: 12
- Prerequisites: Normally the completion of 48 credit points in each relevant discipline area
- Contact Hours: 3 per week

LAB325 ENGLISH CURRICULUM STUDIES 1

- The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
- Courses: ED50, ED54
- Credit Points: 12
- Prerequisites: Normally the completion of 48 credit points in each relevant discipline area
- Contact Hours: 3 per week

LAB326 ENGLISH CURRICULUM STUDIES 2

- Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
- Courses: ED50, ED54
- Credit Points: 12
- Prerequisites: LAB325
- Contact Hours: 3 per week

LAB327 FILM & MEDIA CURRICULUM STUDIES 1

- The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
- Courses: ED50, ED54
- Credit Points: 12
- Prerequisites: LAB327
- Contact Hours: 3 per week

LAB328 FILM & MEDIA CURRICULUM STUDIES 2

- Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
- Courses: ED50, ED54
- Credit Points: 12
- Prerequisites: LAB327
- Contact Hours: 3 per week

LAB329 LOTE CURRICULUM STUDIES 1

- The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
- Courses: ED50, ED54
- Credit Points: 12
- Prerequisites: Normally the completion of 48 credit points in each relevant discipline area
- Contact Hours: 3 per week

LAB330 LOTE CURRICULUM STUDIES 2

- Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
- Courses: ED50, ED54
- Credit Points: 12
- Prerequisites: LAB329
- Contact Hours: 3 per week
LAB331 LANGUAGE PROGRAMMING & ASSESSMENT
Development of an understanding and ability to design programs for promoting and monitoring individual language development through the study of: a structure and process for programming; objectives as a framework for programming and assessment; language resources for classroom use; classroom program development; and monitoring effectiveness.
Courses: ED50, ED51  Prerequisites: LAB338
Credit Points: 12  Contact Hours: 3 per week

LAB332 CHILDREN'S LITERATURE IN THE PRIMARY CURRICULUM
Explorations of the role of children's literature in the primary school; criteria for selecting children's literature; exploration of the various literary genres; leading to the use of literature as an integrating device in the development of programs in the primary school.
Courses: ED51
Credit Points: 12  Contact Hours: 3 per week

LAB333 LANGUAGE IN KEY LEARNINGS
The relationship between language and learning; the role of language across the curriculum; language in critical literacy and assessment.
Courses: ED51
Credit Points: 12  Contact Hours: 3 per week

LAB334 PRIMARY LOTE CURRICULUM
This unit introduces concepts and skills in LOTE curriculum and methodology and prepares appropriately qualified students to teach French, German, Indonesian or Japanese in the upper primary school.
Courses: ED50, ED51
Credit Points: 12  Contact Hours: 3 per week

LAB335 LINGUISTICS IN TEACHING
This unit complements LAB332 by providing a systematic study of linguistics, and in particular Systemic Functional Linguistics, in a range of language learning settings at home and at school.
Courses: ED51  Prerequisites: LAB335
Credit Points: 12  Contact Hours: 3 per week

LAB336 WORKSHOP FOR WRITERS
Develops an understanding and ability to compose a range of texts for presentation in spoken, written, dramatic or audio-visual presentation. Students are involved in: the exploration of relevant personal and social issues; the composition and critical analysis of a range of texts; and reflection upon the language features and processes appropriate for composing and presenting effective texts.
Courses: ED51  Prerequisites: LAB336
Credit Points: 12  Contact Hours: 3 per week

LAB339 ADULT LITERACY & SECOND LANGUAGE LEARNERS
Explores the special literacy needs of second language learners and investigates teaching approaches which recognise these needs and develop cross-cultural awareness and communication strategies. Topics include a comparison of first and second language literacy; the relationship between second language oracy and literacy; issues in cross-cultural communication; the literacy impact for non-English speaking background learners of current policy initiatives and workplace practices needs analysis in second language literacy course design.
Courses: ED54
Credit Points: 12  Contact Hours: 3 per week

LAB341 LANGUAGE, TECHNOLOGY & EDUCATION
Foundation unit concerned with language, literacies and technology in educational and worldwide contexts. Contemporary views of language and technological literacies as social activities are explored. Educational implications of the interconnections between technology, language discourse and power are applied to educational setting. The uses of language discourse and power are applied to educational settings. The use of language and technology in instruction is introduced. Unit is offered by the Schools of Language, Literacy and Education and Maths, Science and Technology Education.
Courses: ED50
Credit Points: 12  Contact Hours: 3 per week

LAB342 LANGUAGE & MATHEMATICS CURRICULUM 1
This unit consists of two half units on language and mathematics education. In the language section, students will explore the theory related to reading and viewing a variety of texts, and will build strategies and resources appropriate for the primary classroom. The mathematics section will provide frameworks for teaching mathematics and techniques for the strands of number (whole number, fractions, decimals and operations) and working mathematically (problem solving).
Courses: ED51
Credit Points: 12  Contact Hours: 3 per week

LAB343 LANGUAGE & MATHEMATICS CURRICULUM 2
This unit complements Language and Mathematics Curriculum 1 and consists again of two half units of language and mathematics education. The language component of this unit explores the theory, strategies and resources for writing, speaking and listening in a range of genres in a variety of social settings. The mathematics section focuses on particular techniques for teaching the strands of space (shape, size and position), measurement (length, area, etc.) and chance and data (statistics, graphs and probability).
Courses: ED51
Credit Points: 12  Contact Hours: 3 per week

LAB344 LANGUAGE & LITERACY FOUNDATIONS
This unit will introduce students to the nature and development of language and literacy in the contexts of the community, the university and the school. Topics will include: the nature and function of language; theories of language and literacy acquisition; intergenerational and situational literacies; the registers of school language; the nature and scope of text types used in the classroom, the university and the community; the social and personal implications of the development and attainment of literacy proficiency, including academic literacy.
Courses: ED43, ED51, ED52
Credit Points: 12  Contact Hours: 3 per week

LAB345 LOTE/SECOND LANGUAGE FOUNDATIONS
This unit will focus on first and second language development; cross-cultural communication; Australia’s immigrant and indigenous language communities; the needs of second language/second dialect learners, and procedures necessary for the maintenance or development of bilingualism and bidialectism in school age populations.
Courses: ED51
Credit Points: 12  Contact Hours: 3 per week

LAB346 CASE STUDIES IN ADULT & FAMILY LITERACY
Principles and practices of assisting adults who have less than adequate literacy knowledge and abilities; assisting literacy development of family members; development and use of practical and effective teaching resources and strategies; development, maintenance and reporting of case histories in adult and family literacy.
Courses: ED37, ED43, ED50, ED51, ED54
Credit Points: 12  Contact Hours: 3 per week

LAB347 TEACHING STUDENTS FROM NON-ENGLISH SPEAKING BACKGROUNDS
This elective unit for students in all teaching specialisations will develop understanding of specific language and learning needs of students for whom English is a second language. It deals with differences in first and second language development, professional implications of significant policy initiatives related to second language learners, and issues in analysis, assessment and crosscultural communication. Participants
will also investigate language demands of their own area of specialisation and develop appropriate teaching techniques and resources.

Courses: ED37, ED43, ED50, ED51, ED52, ED54
Credit Points: 12  Contact Hours: 3 per week

■ LAB410 LANGUAGE CURRICULUM DEVELOPMENT & CRITIQUES
A critical examination of the issues underpinning language education today and an action research project into classroom innovation or a detailed child study of language development.
Courses: ED26
Credit Points: 12  Contact Hours: 3 per week

■ LAB411 ADVANCED STUDIES IN FILM & MEDIA CURRICULUM
This unit will examine the classroom implications of new policies and curriculum changes in Media Education. These include the relation of the QDE 1-10 Media Education Guidelines to other curriculum areas such as Arts, English, Social Science and Technology Education and the programming implications of such Film and Media Curriculum issues as audience effects, representation, media ownership and institutions, multimedia technologies and critical literacies.
Courses: ED50
Credit Points: 12  Contact Hours: 3 per week

■ LAB412 ADVANCED STUDIES IN ENGLISH, ESL CURRICULUM
This unit will focus in more depth on selected issues related to the teaching of English and English as a Second Language in the secondary school. Topics will include: literature and popular culture in the classroom; materials development for non-native speakers of English; language, multiculturalism and ideology; school to work transition programs; contemporary issues in language education, linguistics and cultural studies.
Courses: ED50
Credit Points: 12  Contact Hours: 3 per week

■ LAB413 PROGRAMMING & ASSESSMENT IN LANGUAGE & MATHEMATICS
The focus of this unit is on designing programs/units to promote and monitor individual language and mathematics development. This unit will bring perspectives from critical theory to the linked processes of program design and assessment in primary language and mathematics. In particular, the unit will examine the effects of technological change and current reporting practices on unit development, pedagogy and assessment. This includes developing an understanding of the principles and processes involved in planning the effective use of a range of language and maths resources for use in classrooms. A range of techniques and instruments for monitoring development will be explored. These will be related to reporting techniques such as the Student Performance Standards.
Courses: ED51
Credit Points: 12  Contact Hours: 3 per week

■ LAB414 ADVANCED TOPICS IN LANGUAGE EDUCATION
This unit will provide students with the opportunity of exploring in more detail literature and language-related curriculum issues in the primary school. Topics will include literature and popular culture in the classroom; language and gender; language, multiculturalism and ideology; the student as linguistic ethnographer.
Courses: ED51
Credit Points: 12  Contact Hours: 3 per week

■ LAB441 CHILDREN'S LITERATURE
Evaluative criteria in children's literature; genres; teaching strategies for promoting the use of children's literature; reader response theories.
Courses: ED26, ED51, ED52, ED43
Prerequisites: Language arts and literature studies at Diploma of Teaching level
Credit Points: 12  Contact Hours: 3 per week

■ LAN608 SECOND LANGUAGE ACQUISITION
Research into second language acquisition is providing new insights into the complex processes involved in natural and instructed language development. This unit extends participants' knowledge of research into, and theories of, second language acquisition, and explores pedagogical implications and the relevance of research and theories to the enhancement of second language acquisition and learning.
Courses: ED14, ED77
Credit Points: 12  Contact Hours: 3 per week

■ LAN609 LANGUAGE, LITERACIES & LEARNING
This unit provides an understanding of the historical, theoretical, conceptual and research bases of program development and classroom instruction in English language and literacy.
Courses: ED11, ED13
Credit Points: 12

■ LAN611 ADULT & WORKPLACE LITERACY & NUMERACY
An exploration of how the field of adult literacy and numeracy has evolved; the changing nature and roles of literacies and numeracies in contemporary societies; how literacy and numeracy practices are embedded in particular settings, e.g. workplaces, and how cultural, political and economic factors impinge on adult literacy and numeracy learning in different contexts.
Courses: ED13, ED11, ED77
Credit Points: 12

■ LAN612 PRINCIPLES OF SECOND LANGUAGE METHODOLOGY
The range of approaches to second language learning and the theories of language and learning which underpin them. Theories of language and learning and their implications for TESOL; the social context of learning and its impact on methodological decision-making; current approaches and methods in TESOL, the roles of teachers and learners in the TESOL classroom.
Courses: ED14, ED77
Credit Points: 12  Contact Hours: 3 per week

■ LAN613 SECOND LANGUAGE CURRICULUM DESIGN OPTIONS
The factors which influence teachers in the development of language programs. Includes analysis of the following areas:
learner profiles and needs; aims and objectives; processes and criteria for selecting methodology; content selection and sequencing; choice and evaluation of materials and resources.

**Courses:** ED14, ED77
**Credit Points:** 12
**Contact Hours:** 3 per week

**LAN614 RESEARCH METHODS IN SECOND LANGUAGE EDUCATION**

This unit will introduce students to methods and techniques which are used by classroom teachers and language educators to undertake small and large scale research projects and to report research findings in journals and other publications.

**Courses:** ED14, ED77
**Credit Points:** 12
**Contact Hours:** 3 per week

**LAN615 DIRECTED READING IN SECOND LANGUAGE EDUCATION**

This unit provides an opportunity for teachers and others involved in TESOL to review current research articles to gain an overview of developments in TESOL/Applied Linguistics and to explore one or two personal interest areas in greater depth.

**Courses:** ED14, ED77
**Credit Points:** 12
**Contact Hours:** 3 per week

**LAN616 LANGUAGE ASSESSMENT & PROGRAM EVALUATION IN TESOL**

Theories and practices in program evaluation, language testing and proficiency assessment. It examines and evaluates standardised tests and instruments which are used to assess the English language proficiency of speakers for whom English is a second language.

**Courses:** ED14, ED77
**Credit Points:** 12
**Contact Hours:** 3 per week

**LAN617 PERSONALISED LANGUAGE DEVELOPMENT**

Language learning is a lifelong task. This unit allows teachers to take a program of language development aimed at improving their level of proficiency and enhancing their cultural awareness. Students wishing to take this unit should discuss options with the Coordinator.

**Courses:** ED14, ED77
**Credit Points:** 12
**Contact Hours:** 3 per week

**LAN618 TECHNOLOGY & SECOND LANGUAGE LEARNING**

The twentieth century has seen a rapid change in the technology available to language teachers. An exploration of the creative teaching potential of this technology in areas such as computer enhanced language learning (CELL), interactive multimedia (including CD-rom and video disc) and the use of linear video, word processing and audio materials. The unit will also explore access to and pedagogical uses of electronic communication such as e-mail, list servers and bulletin boards.

**Courses:** ED14, ED77
**Credit Points:** 12
**Contact Hours:** 3 per week

**LAN619 FUNCTIONAL GRAMMAR**

When we use language to enact our everyday lives, to teach and to learn, we use texts to do so. This unit provides a means for analysing and understanding how texts make meaning linguistically. Students will engage in analysis and discussion of text level meaning via genre, register and cohesion; clause level meaning via Transitivity, Mood and Theme/Rheme; group level meaning via nominal, verbal and prepositional groups, and the significant linguistic features of written as contrasted with spoken language.

**Courses:** ED14, ED77
**Credit Points:** 12
**Contact Hours:** 3 per week

**LAN620 LANGUAGE & CULTURE**

The relationship between language and culture; that is, how language is a social phenomenon, the use of which varies according to context. This close relationship is particularly relevant in crosscultural settings such as the ESL classroom.

**Courses:** ED14, ED77
**Credit Points:** 12
**Contact Hours:** 3 per week

**LAN623 INVESTIGATING LANGUAGE & LITERACY TEACHING & LEARNING**

This modularised unit enables students to tailor investigations into language and literacy theory and practice to fit their area of specialisation. Accordingly, students will be equipped with techniques and tools for analysing, interpreting, communicating and evaluation theorised and responsible inquiry within their chosen language and literacy field.

**Courses:** ED13, ED11, ED61
**Credit Points:** 12
**Contact Hours:** 3 per week

**LAN624 LITERACY/ESL PROGRAMMING & ASSESSMENT**

Accountability in literacy assessment has called for understanding of policy documents and subsequent use of multiple assessment instruments and procedures in schools and work places. The modules within this unit allow students to map current assessment procedures, program for ESL learners and to adopt a critical approach to theory and practice.

**Courses:** ED13, ED11, ED61
**Credit Points:** 12

**LAN625 NEW LITERACIES & TECHNOLOGIES**

The modules in this unit introduce current theories and debates about new forms of literacy practice emerging in the current age of electronic information and communication. Students will experience and experiment with educationally relevant aspects of design or practice in language and literacy education using electronic information and communication applications, and develop strategies for appropriate selection and use of new technologies for particular educational settings and learners.

**Courses:** ED13, ED11
**Credit Points:** 12

**LAP401 ENGLISH CURRICULUM STUDIES 1**

Introduction to English curriculum and its role in secondary education; examination of relevant English syllabuses and demonstration of ways to translate language learning principles into lesson plans and curriculum units.

**Courses:** ED37
**Credit Points:** 12
**Contact Hours:** 3 per week

**LAP402 ENGLISH CURRICULUM STUDIES 2**

Continuation of LAP401. Content, processes and materials appropriate to the planning and implementation of English programs; methods of assessment; current professional issues in English teaching.

**Courses:** ED37
**Prerequisites:** LAP401
**Credit Points:** 12
**Contact Hours:** 3 per week

**LAP403 LOTE CURRICULUM STUDIES 1**

Current theories and practice in LOTE teaching/learning with particular reference to the Queensland context.

**Courses:** ED37
**Credit Points:** 12
**Contact Hours:** 3 per week

**LAP404 LOTE CURRICULUM STUDIES 2**

Continuation of LAP403. Development of a practical theory of teaching based on an understanding of the LOTE context in Queensland; development of language programs and teaching resources which are responsive to the diverse needs of learners.

**Courses:** ED37
**Prerequisites:** LAP403
**Credit Points:** 12
**Contact Hours:** 3 per week

**LAP405 FILM & MEDIA CURRICULUM STUDIES 1**

Introduction to the Film and Media curriculum and its role in secondary education; examination of relevant media syllabuses and demonstration of ways to translate concepts in media education into lesson plans and curriculum units.

**Courses:** ED37
**Credit Points:** 12
**Contact Hours:** 3 per week

**LAP406 FILM & MEDIA CURRICULUM STUDIES 2**

Continuation of LAP405. Content, processes and materials appropriate to the planning and implementation of Media Studies programs; methods of assessment; current professional issues in media teaching.
■ LAP407 ENGLISH AS A SECOND LANGUAGE CURRICULUM STUDIES 1
Introduction to the design and development of curriculum, materials and resources to meet the general and specific needs of learners who are non-native English speakers and who require higher English language proficiency levels for study purposes.
Courses: ED37
Credit Points: 12
Contact Hours: 3 per week

■ LAP408 ENGLISH AS A SECOND LANGUAGE CURRICULUM STUDIES 2
Continuation of LAP407 showing students how curriculum, materials and resources are implemented through appropriate approaches, methodologies and techniques for individuals, groups or whole classes of learners who are non-native speakers of English.
Courses: ED37
Credit Points: 12
Contact Hours: 3 per week

■ LAP409 PRIMARY LOTE CURRICULUM STUDIES 1
Current theory and practice in LOTE teaching/learning in the primary school with particular emphasis on the intellectual, physical, emotional and social needs of young learners and the need for teaching approaches drawn from general educational theory together with an understanding of second language acquisition.
Courses: ED37
Credit Points: 12
Contact Hours: 3 per week

■ LAP410 PRIMARY LOTE CURRICULUM STUDIES 2
Continuation of LAP409. Content, processes and materials appropriate to the planning and implementation of LOTE programs in the primary school which integrate culture and language, articulate with the rest of the primary curriculum, and in which learners become more interested in, and aware of, languages and cultures other than their own.
Courses: ED37
Credit Points: 12
Contact Hours: 3 per week

■ LAP440 LANGUAGE & LITERACY 1
The role of language in society; how language changes according to the purpose for which it is used as well as the social and cultural contexts; the functions and structure of a range of genres; the contribution of the home to children’s language development.
Courses: ED36
Credit Points: 12
Contact Hours: 3 per week

■ LAP441 LANGUAGE & LITERACY 2
Development of a range of strategies/activities which promote language learning in a classroom; techniques/instruments for observing and monitoring language growth. Preparation and development of a unit of language experiences for a class.
Courses: ED36
Credit Points: 12
Contact Hours: 3 per week

■ LAP501 FOUNDATIONS OF TEACHER-LIBRARIANSHIP
Philosophy and theories of teacher-librarianship and interpersonal communication necessary to be responsive to the needs of school communities and emerging educational trends.
Courses: ED25
Credit Points: 12
Contact Hours: 3 per week

■ LAP502 CURRICULUM & RELATED RESOURCES
Current curricula P-12: content and processes; evaluative criteria for the selection of materials across the curriculum; basic reference and information sources; collection development.
Courses: ED25
Credit Points: 12
Contact Hours: 3 per week

■ LAP503 LITERATURE & LITERACY: RESOURCES & STRATEGIES
Resources and strategies for teacher-librarians to enable them to work with teachers in language across the curriculum; developmental approach to reading and the selection of materials; genre studies; reader response theories; promotion strategies.
Courses: ED25
Credit Points: 12
Contact Hours: 3 per week

■ LAP504 SCHOOL LIBRARY RESOURCES: ORGANISATION & ACCESS
School library administration and organisation systems, including computer applications; bibliographic organisation and implications for self-directed learning; organisation and maintenance of, and access to, resources including equipment; field program, including school experience (three weeks).
Courses: ED25
Credit Points: 12
Contact Hours: 3 per week

■ LAP505 COMMUNICATION & MANAGEMENT IN SCHOOL LIBRARY RESOURCE CENTRES
Studies in management of school library resource centres; goal setting; time management, communication models; interpersonal and organisational communication patterns; problem solving and conflict management; innovation, interventions; and change; advocacy and promotion; writing for a purpose.
Courses: ED25
Credit Points: 12

■ LAP506 INFORMATION SERVICES FOR SCHOOLS
Implications of the information age; advanced reference skills; computer-based information services with in-depth study of two, selected by the student.
Courses: ED25
Credit Points: 12

■ LAP507 AUSTRALIAN LITERATURE FOR YOUNG PEOPLE
Courses: ED25
Credit Points: 12

■ LAP509 DIRECTED STUDY
An individually designed unit which allows students, under the staff supervision, to increase their knowledge relevant to teacher-librarianship.
Courses: ED25
Credit Points: 12

■ LAP512 LITERATURE FOR YOUNG PEOPLE
Historical development of imaginative literature; evolution of books for young people in present social and cultural contexts; writers and illustrators from European, Commonwealth and American countries; teaching strategies for eliciting reader responses.
Courses: ED25
Credit Points: 12

■ LAP513 MEDIA LITERACY & THE SCHOOL
Mass media communication processes and their implications for teaching and learning; semiotics; influences of media on people; advertising and mass media research techniques; media ownership issues; future trends in mass media technologies.
Courses: ED25, ED51, ED52
Credit Points: 12

■ LAP515 RESOURCE SERVICES FOR SPECIAL NEEDS
Resource services designed for students with special needs relating to physical or intellectual impairments, socio-economic or cultural circumstances; the theory and practice of mainstreaming; the inclusive School Resource Centre.
Courses: ED25
Credit Points: 12

■ LAP516 SPECIAL SEMINAR
Study of a specific aspect of teacher-librarianship, the unit to
be determined by the University according to need and/or the availability of special expertise.

Courses: ED25  Credit Points: 12

- **LEB517 STORYTELLING**
  Function of the story and storytelling in learning and teaching: preparing, developing and delivering stories; resources; storytelling across the curriculum.
  Courses: ED25, ED51, ED52  Credit Points: 12  Contact Hours: 3 per week

- **LEB518 VISUAL LITERACY & RESOURCE DESIGN**
  Visual literacy, learning styles; interpretation; design and evaluation of visually-based resources.
  Courses: ED25  Credit Points: 12

- **LEB519 BOOKS & PUBLISHING**
  The artistic and historical evolution of the book; judgment of book format through an understanding of modern production processes; the complexities of the publishing business, past and present; the nature of copyright.
  Course: ED25  Credit Points: 12

- **LEB304 CHILDREN WITH SOCIAL & EMOTIONAL DIFFICULTIES**
  The overview of social and emotional development, theories of social and emotional development; adult-child relationships and issues of authority and discipline; the socialisation of emotions, expression of emotions, emotional disturbances; self-concept and self-esteem. One of four subjects which offer enhanced background in the inclusion of children with disabilities and learning difficulties.
  Courses: ED51, ED52  Credit Points: 12  Contact Hours: 3 per week

- **LEB305 UNDERSTANDING CHILDREN WITH INTELLECTUAL DISABILITIES**
  Introduction to intellectual impairment, cognitive development delay, slow learners and the most prevalent conditions which include a degree of cognitive handicap; theory and practice relating to classroom responses in regular settings; assessment of functional attainments and planning learning in basic curriculum areas; second of four subjects which offer enhanced background in the inclusion of children with disabilities and learning difficulties.
  Courses: ED51, ED52  Credit Points: 12  Contact Hours: 3 per week

- **LEB331 TEACHING CHILDREN WITH LOW INCIDENCE DISABILITIES**
  Introduction to a wide range of low incidence exceptionalities (e.g. sensory impairments, developmental delay and health impairments such as Epilepsy, Asthma and Hepatitis, etc.); methods of managing associated disabling conditions; implementation and evaluation of programming; support and referral services.
  Courses: ED37, ED43, ED50, ED51, ED52, ED54  Credit Points: 12  Contact Hours: 3 per week

- **LEB332 TEACHING EXCEPTIONAL STUDENTS**
  Integrates a basic understanding and application of learning theory as it applies to exceptional populations. Focuses on approaches to teaching particular exceptional groups. Provides an opportunity for development of specialist skills and resources in one of the following areas: (a) students with learning difficulties; (b) gifted students; (c) students with low incidence disabilities, e.g. hearing impaired, visually impaired or physically handicapped; (d) behaviourally or emotionally disturbed students.
  Courses: ED37, ED43, ED50, ED51, ED52, ED54  Credit Points: 12  Contact Hours: 3 per week

- **LEB333 ADULT LEARNING & DEVELOPMENT**
  The psychological foundations of human learning and development with special emphasis on adults. Contemporary theories and research issues such as cognition and learning, the effect of motivation on learning, understanding group dynam-
concepts of teaching and reflective processes.

Courses: ED26
Credit Points: 12
Contact Hours: 3 per week

LEB431 INTERACTIVE TEACHING STRATEGIES
Interactive Teaching Strategies offer alternatives to whole-class or lecture methods of presentation, and can be used with any age level and in any content area (K–12, TAFE, UNI). They increase confidence, enthusiasm, and enjoyment of learning; insure less separation due to race, gender, ethnicity, or status; make learning relevant to individual experience, and invite the use of higher order thinking skills. This is a practical, hands-on subject, structured according to principles of adult learning, a workshop format with contract-based assessment.

Courses: ED26, ED51
Credit Points: 12
Contact Hours: 3 per week

LEB441 EDUCATIONAL COUNSELLING
The nature of counselling/helping in educational contexts; the educator as counsellor; characteristics of effective helpers, practical development of communications skills, building an empathic relationship; structuring the counselling process; application of some counselling theories to the educational contexts; practical sessions using educationally based role plays to demonstrate effective use of the skills learned. Compulsory study school for external students. Incompatible with Studies in Counselling or equivalent at Diploma of Teaching level.

Courses: ED26, ED37, ED43, ED50, ED51, ED52, ED54, ED61
Credit Points: 12
Contact Hours: 3 per week

LEB443 HUMAN SEXUALITY & LEARNING
Key topics in sexual behaviour and learning such as heterosexual and homosexual sexuality across the life span, contraception, abortion, STDs, child sexual abuse, sexual assault, pornography. Implications for school, community, and health-care workers and educators, with emphasis on the former.

Courses: ED26, ED37, ED43, ED50, ED51, ED52, ED54, NS40, NS48
Credit Points: 12
Contact Hours: 3 per week

LEB444 HUMAN SEXUALITY & DEVELOPMENT
Medical, legal, and developmental issues in human sexual behaviour related to sexuality and disability/illness, infertility and its options, pregnancy and birthings, sexuality and aging, sexual dysfunction, transsexuality, and HIV/AIDS. Implications for school, community and health-care workers and educators, with emphasis on the latter.

Courses: ED26, ED37, ED43, ED50, ED51, ED52, ED54, NS40, NS48
Credit Points: 12
Contact Hours: 3 per week

LEB480 RESEARCH METHODS IN EDUCATION
Development of an awareness and understanding of the research process for a historical, sociocultural, ethical and theoretical perspective; the validity, applicability and suitability of various research strategies for specific educational endeavours; comprehension and evaluation of research findings drawn from a variety of perspectives, paradigms and methodologies; development of skills to conduct research appropriate to answer questions.

Courses: ED23, ED24, ED26, ED37, ED43, ED50, ED51, ED52, ED54
Credit Points: 12
Contact Hours: 3 per week

LEB602 ADVANCED EDUCATIONAL COUNSELLING
The major theoretical approaches to counselling are applied to problems and concerns arising in the educational context. Theories outlined include Psychoanalytic, Adlerian, Existential, Person-Centred, Gestalt, Transactional Analysis, Behaviour, Rational-Emotive, and Reality. Skills and techniques associated with each major theory will be presented and related to educationally based problems and concerns. The effects and outcomes of counselling inventions will be investigated and ethical issues will be addressed.

Courses: ED13, ED11, ED61
Prerequisites: LEB441
Credit Points: 12
Incompatible with: LEB442

LEN603 EDUCATIONAL COUNSELLING PROFESSIONAL PRACTICE
Professional practices of educational counsellors working in the P-12 context; intervention, prevention, affective, and developmental programs discussed; adolescent issues and career counselling outlined; consultation: models, theories and practices; self-management skills highlighted: time management, program evaluation, accountability and decision-making discussed.

Courses: ED13, ED11, ED61
Credit Points: 12

LEN604 PSYCHOEDUCATIONAL ASSESSMENT
Assessment techniques and strategies; assessment of intelligence, academic skills, aptitude, personality; reliability, validity, test construction and standardisation procedures; the process of administering assessment instruments; interpretation of test results and assessment data; using assessment data in programming and placement.

Courses: ED13, ED11
Credit Points: 12

LEN605 LEARNERS WITH SPECIAL NEEDS: PROGRAMMING FOR INCLUSIVE EDUCATION
Special educational needs of children in early childhood, school (P-12) and post-secondary settings arising from physical, cognitive, behavioural and socio-cultural differences; developmental screening; diagnosing student functioning in cognitive, social-emotional, self-help and motor skill areas; programming and curriculum decision making for children with special needs; techniques of formative and summative assessment appropriate to student learning needs; strategies for inclusive education; roles and models of support and advisory personnel including in-service strategies.

Courses: ED13, ED11
Credit Points: 12

LEN606 REMEDIATING OF LEARNING DIFFICULTIES
In-depth review of research of the impact of learning disabilities/difficulties and developmental delay on the learning of literacy from years 1-12 and in post-secondary education; studies in language and its use in learning; assessment and monitoring techniques and approaches to literacy acquisition by students with learning difficulties/disabilities. Draws on developments in areas such as sociolinguistics, psycholinguistics, metacognition and process approaches to literacy and learning within an inclusive education framework.

Courses: ED13, ED11
Credit Points: 12

LEN607 CAREER EDUCATION & CAREER GUIDANCE
Focus on career planning as a lifelong process, emphasising that education and guidance programs focus on skill development for repeated decision-making throughout the lifespan; the background and influence of career development theory; the complementary relationship between career education and career guidance. Educator and counsellor skills necessary to enable students to effectively assist career development are included.

Courses: ED13, ED11, ED61
Credit Points: 12

LEN608 FOUNDATIONS OF ADULT LEARNING & DEVELOPMENT
Provides students with an opportunity to develop an understanding of the complex nature of the adult learning and development process. This is achieved by exposing students to contemporary theories and strategies in adult learning and development and extending their knowledge to the adult and workplace environment. Key concepts such as the motivation, self-directed learning and knowledge construction are addressed. Special emphasis is placed on transferring the theory to practice.

Courses: ED13, ED11, ED61
Credit Points: 12

LEN609 CAREER THEORY
This unit focuses on a review of the theoretical perspectives...
that have influenced work in the area of career development. Recent attempts at integrating this diverse body of literature will be presented. Students will be encouraged to develop their own position on the relevance of career theory to their practice, and present their theoretical stance.

Courses: ED11, ED13, ED61  
Credit Points: 12

LEP610 CAREER COUNSELLING
This unit aims to provide theoretical knowledge and practical skills relevant to career counselling which will enable students to effectively assist people to make appropriate career decisions.

Courses: ED13, ED61, ED11  
Prerequisites: LEB441 or LEN602  
Credit Points: 12

LEP611 EDUCATIONAL INTERVENTION FOR CHALLENGING BEHAVIOUR IN THE CLASSROOM
This unit aims to provide theoretical and practical knowledge for regular and special educators working in the area of behaviour management in schools. Preventative behaviour management practices will be addressed for the school and classroom and more specialised skills and strategies that may be utilised with challenging behaviour will be examined.

Courses: ED13, ED61, ED11  
Credit Points: 12

LEP612 BEHAVIOUR MANAGEMENT: PROGRAMS & PLANNING
This unit will present behaviour management interventions for implementation in the supportive school environment. Skills of consultation and negotiation will be developed to enhance the school’s ability to work constructively with teachers and external agencies. Severe and aggressive behavioural problems will be investigated and interventions determined. Emphasis will be on the development, implementation, evaluation, and maintenance of appropriate interventions.

Courses: ED13, ED61, ED11  
Prerequisites: PRN635  
Credit Points: 12

LEP413 HUMAN DEVELOPMENT & LEARNING
An analysis of human development through the life span; exploration of how students learn; factors influencing effective learning and teaching.

Courses: ED35, ED36, ED37  
Credit Points: 12

LEP523 LEARNERS WITH SPECIAL NEEDS
Special educational needs of school (P-12) and TAFE college learners arising from cognitive, behavioural, sociocultural and physical disabilities and differences; learners with special educational needs; developing teaching/learning strategies suited to learners’ needs. Participation in fieldwork experiences involves the investigation of the resource/support teacher’s role in assisting students with special learning needs and collaborating with teachers and administrators.

Courses: ED28, ED61  
Credit Points: 12  
Contact Hours: 5 per week

LEP524 DEVELOPING RELATIONSHIPS & GROUPS
Overview of concepts relating to a model of interpersonal relationships; study of some human relationships concepts such as verbal and non-verbal interpersonal communication, power, influence, authority/control, trust and mistrust, confrontation and constructive resolution of conflict; interviewing and consulting skills; self-concept studies; collaborative teaching and team building; student and teacher stress; assertion-related theory and skills; resource teachers as change agents for inclusive education.

Courses: ED28, ED61  
Credit Points: 12  
Contact Hours: 3 per week

LEP525 REMEDIATING LEARNING DIFFICULTIES
Review of significant learning difficulties among learners in schools and post-secondary education in the areas of language/learning demands of the curriculum; composing and comprehending tasks as they relate to curriculum demands; test-wiseness, note-taking, organisation, examination stress; application of the content is strongly based on an adjunct model of service delivery.

Courses: ED28, ED61  
Credit Points: 12

LEP526 STUDY SKILLS, LITERACY & LEARNING
Review of significant learning difficulties among learners in schools (Years 1-12) and post-secondary education; foundation studies in language and learning: assessment and monitoring of literacy related curriculum tasks; test interpretation and development; related approaches to teaching, informed by principles derived from psycholinguistics, metacognition and process approaches to literacy; adjunct model of service delivery.

Courses: ED28  
Credit Points: 12  
Contact Hours: 3 per week

LPP001 LEGAL PRACTICE
Course: LP41  
Credit Points: 96

LSA123 GENERAL BIOLOGY
This unit provides an overview of taxonomies; the structure and function of eukaryotic and prokaryotic cells; the study of mammalian cells, protozoa, fungi, algae, viruses, helminths and bacteria.

Course: SC15  
Credit Points: 8

LSA221 BIOLOGICAL CHEMISTRY
This unit covers theoretical and practical biological chemistry through the topics: biological molecules; enzymology; function and role of co-enzymes; metabolism; electron transport chain and ATP synthesis; role of pH and biological buffers and regulation of metabolism.

Courses: SC15  
Prerequisites: CHA140  
Credit Points: 12

LSA222 LABORATORY INSTRUMENTATION
This unit extends the laboratory skills necessary for the routine operation of a laboratory with consideration given to the importance of Health and Safety. The unit introduces the basic theory and application of chromatography with particular emphasis on thin-layer, partition-adsorption and column molecular sieve and ion exchange methods as well as electrophoresis.

Courses: SC15  
Prerequisites: CHA111, CHA145, CHA140  
Credit Points: 8

LSA223 MICROBIOLOGY
This unit covers the theoretical and practical aspects of the study of microbiology in clinical, environmental and industrial applications. The emphasis is on the identification and control of bacteria.

Courses: SC15  
Prerequisites: LSA123  
Credit Points: 8

LSA224 PATHOLOGY
The application of scientific methods to the study of the general principles of disease processes and selected diseases of the organ systems. Correct understanding and use of pathological terms and concepts.

Courses: SC15  
Prerequisites: LSA225  
Credit Points: 8

LSA225 HUMAN ANATOMY & PHYSIOLOGY
This unit introduces anatomy and physiology with emphasis on the relationships between structure and function of the normal human being. Topics studied include: the cell; tissues; skeletal system; articulation and the muscular, lymphatic, respiratory, gastro-intestinal, renal endocrine and reproductive systems.

Courses: SC15  
Prerequisites: LSA224  
Credit Points: 12

LSA320 CLINICAL BIOCHEMICAL TECHNIQUES 1
A study of the basic chemical procedures used in biochemical
labsortories with emphasis on technique and accuracy. Topics include: tests of renal, pancreatic and hepatic functions; the estimation of serum proteins, lipids and carbohydrates.

**Courses:** SC15  
**Prerequisites:** LSA221, LSA222, LSA225  
**Credit Points:** 8  
**Contact Hours:** 4 per week

**LSA321 CLINICAL MICROBIOLOGICAL TECHNIQUES 1**  
The techniques used in isolation and identification of bacteria important in human and animal infections; the use of computerised data bases to assist in bacterial identification; tests for the sensitivity of bacteria to antibiotics; preparation, sterilisation, quality control and use of bacteriological media.

| Courses | SC15 | Prerequisites | LSA221, LSA222, LSA225 | Credit Points | 8 | Contact Hours | 4 per week |

**LSA322 HAEMATOLOGICAL TECHNIQUES 1**  
Lectures and practical work in haematological techniques. Topics include: the counting of blood cells; the preparation, staining and examination of blood films; the determination of the red cell indices; supravital staining techniques; erythrocyte sedimentation rate and origin and maturation of blood cells.

| Courses | SC15 | Prerequisites | LSA123, LSA221, LSA225 | Credit Points | 8 | Contact Hours | 4 per week |

**LSA323 HISTOLOGICAL TECHNIQUES 1**  
Preparing tissue samples for examination by the various forms of light microscopy. Topics include: fixation, tissue processing, microtomy and an introduction to staining and light microscopic techniques.

| Courses | SC15 | Prerequisites | LSA123, LSA221, LSA225 | Credit Points | 8 | Contact Hours | 4 per week |

**LSA324 IMMUNOLOGICAL TECHNIQUES 1**  
Introduction to immunology with particular emphasis on the principle and performance of immunological techniques including blood grouping. Topics include: antigens, antibodies and the immune system.

| Courses | SC15 | Prerequisites | LSA123, LSA221, LSA225 | Credit Points | 8 | Contact Hours | 4 per week |

**LSA325 CYTOLOGICAL TECHNIQUES 1**  
Lectures and associated practical sessions in cytological methods and normal gynaecological cytology. Basis for clinical cytology offered in LSA425.

| Courses | SC15 | Prerequisites | LSA123, LSA221, LSA225 | Credit Points | 8 | Contact Hours | 4 per week |

**LSA420 CLINICAL BIOCHEMICAL TECHNIQUES 2**  
A study of more complex techniques used in clinical biochemical laboratories, including enzyme assays, estimations of electrolytes, blood gases, drugs, vitamins and hormones. Automation techniques and quality control are also treated.

| Courses | SC15 | Prerequisites | LSA220 | Credit Points | 8 | Contact Hours | 4 per week |

**LSA421 CLINICAL MICROBIOLOGICAL TECHNIQUES 2**  
Basic microbiological techniques in the following disciplines: virology, mycology and parasitology (enteric parasites). The practical periods are used to reinforce the theoretical aspects of the unit.

| Courses | SC15 | Prerequisites | LSA223 | Credit Points | 8 | Contact Hours | 4 per week |

**LSA422 HAEMATOLOGICAL TECHNIQUES 2**  
An extension of LSA322. The students is introduced to the common blood disorders. A brief outline of their aetiology and laboratory investigation is given. The main emphasis is the use of basic haematological techniques and some specialised laboratory procedures used in the investigation of commonly encountered blood diseases. The basic theory of haemostasis and the screening tests used in the investigation of the bleeding disorders are discussed.

| Courses | SC15 | Prerequisites | LSA322 | Credit Points | 8 | Contact Hours | 4 per week |

**LSA423 HISTOLOGICAL TECHNIQUES 2**  
Specialised methods for identifying tissue components. Topics include: electron microscopy, histochemistry, immunohistochemistry. Emphasis is placed on the practical application of these methods in histopathology.

| Courses | SC15 | Prerequisites | LSA323 | Credit Points | 8 | Contact Hours | 4 per week |

**LSA424 TRANSFUSION TECHNIQUES**  
The basic knowledge of immunology gained in LSA324 is applied to the study of human blood group systems. Topics include: principles of immunohaematology, ABO blood group, Rh blood group system, compatibility testing, antibody identification, transfusion reactions, antenatal testing, quality control, intravenous fluid, blood products.

| Courses | SC15 | Prerequisites | LSA324 | Credit Points | 8 | Contact Hours | 4 per week |

**LSA425 CYTOLOGICAL TECHNIQUES 2**  
Specialised preparative methods for non-gynaecological cytology and demonstrating the evaluation of specimens commonly encountered in routine diagnostic cytology.

| Courses | SC15 | Prerequisites | LSA324 | Credit Points | 8 | Contact Hours | 4 per week |

**LSB001 INTRODUCTORY BIOLOGY**  
Designed for students who have not studied Senior Biology. It presents an overview of organisms with emphasis on the relationship between structure and basic biological function, including nutrition, excretion, reproduction and inheritance.

| Courses | SC30, ED50 | Credit Points | 6 | Contact Hours | 3 per week |

**LSB118 INTRODUCTION TO LIFE SCIENCE**  
An introduction to the study of life processes, with cells and organisms as the central point of reference. Cellular function is described at the tissue and organ levels: the interactions of organisms at the population and community levels are used to explain fundamental concepts of ecology: the diversity of life on Earth is presented in phylogenetic and evolutionary terms: molecular biotechnology is introduced as a tool that assists both the mapping of populations and communities, and the diagnosis of organism malfunction.

| Courses | ED50, LS37, SC30, PU43 | Credit Points | 12 | Contact Hours | 5 per week |

**LSB130 ANATOMY 1**  
Structure of the generalised cell, epithelium, connective tissue, bone and cartilage, muscle tissue, nervous tissue, and cardiovascular system; the gross anatomical study of the skeletal, articular, and cardiovascular systems.

| Courses | OP43 | Credit Points | 8 | Contact Hours | 3 per week |

**LSB131 ANATOMY**  
Basic concepts of anatomy; overview of the structure of cells, body tissues, and body systems as well as aspects of surface anatomy which are relevant to human movement; musculoskeletal systems.

| Courses | ED50, HM42, PU40, PU43 | Credit Points | 12 | Contact Hours | 6 per week |

**LSB133 ANATOMY**  
Basic concepts of anatomy; overview of the structure of cells, body tissues and body systems as well as aspects of surface anatomy which are relevant to human movement; musculoskeletal systems.

| Courses | ME46 | Credit Points | 8 | Contact Hours | 4 per week |
LSB141 ANATOMY 1
A study of human anatomy; of the body as a whole, including a detailed study of the skeletal system.
Courses: PH38
Credit Points: 10
Contact Hours: 4 per week

LSB142 HUMAN ANATOMY & PHYSIOLOGY
A grounding in the principles of human anatomy and physiology for students not intending to continue with further study in this area. An introduction to the structure of the cell, organisation of tissues; chemistry of life; major systems that constitute the human body.
Courses: ED50, PH80, PU40, PU43, PU42
Credit Points: 12
Contact Hours: 5 per week

LSB150 HUMAN ANATOMY
Ultrastructure of the generalised cell. Microscopic and macroscopic anatomy of epithelium, connective tissue, muscular tissues, nervous system, skeletal system, integument, cardiovascular system, lymphatic system, respiratory system, renal system, endocrine system, male and female reproductive systems.
Courses: LS37, SC30
Credit Points: 12
Contact Hours: 5 per week

LSB161 BIOLOGY
An introduction to Biology for students with no previous experience in the discipline. An overview of form and function in animal and plant systems; patterns and mechanisms of inheritance; fundamental ecological principles.
Courses: OP42
Credit Points: 8
Contact Hours: 3 per week

LSB182 BIOSCIENCE 1
This unit develops an understanding of normal human structures in relation to their functions at the cellular, tissue and organ levels. This is a foundation course in anatomy and physiology for nursing students. Topics covered are: the cell, tissues; systems of the body and their functions, surface anatomy and body topography.
Courses: NS40, NS48
Credit Points: 12
Contact Hours: 5 per week

LSB221 INTRODUCTION TO PATHOLOGY
Application of scientific methods to study of disease processes. Correct understanding and use of pathological terms and concepts.
Courses: PH38
Prerequisites: LSB141
Contact Hours: 3 per week

LSB222 BIOLOGY 2
Macrobiology; populations of organisms, their interactions and association into communities, ecosystems, biomes and the global biosphere are studied in both qualitative and quantitative terms. The flow of energy and matter through the biosphere; the impact of humanity on this process; introduction to simple computer-based models of community ecology and ecosystem processes through practical sessions.
Courses: ED50, SC30
Prerequisites: LSB001 or Senior Biology
Credit Points: 12
Contact Hours: 5 per week

LSB228 ANIMAL & PLANT STRUCTURE & FUNCTION
Emphasis on how functioning organisms reflect the integration of major biochemical processes. Initially, the structures of body systems are described from the functional viewpoint. Gas exchange, circulatory, reproductive and supportive systems are studied, then aspects of energy flow (photosynthesis/respiration) are considered. Finally, the regulation of organism function via biological positive and negative feedbacks, and hormonal systems, is outlined.
Courses: ED50, SC30
Prerequisites: LSB118 or LSB122
Credit Points: 12
Contact Hours: 5 per week

LSB231 PHYSIOLOGY
The basic concepts of physiology and pharmacology. An overview of the functions of body systems so that students can understand biological disorders and pharmacological strategies which may be used in their treatment.
Courses: ED50, HM42, ME46, PU40, PU43
Credit Points: 12
Contact Hours: 6 per week

LSB233 PHYSIOLOGY
This unit covers the general physiological principles such as homeostasis and how all systems in the body contribute to it. Topics will include cells, transport processes, cardiovascular system, cardiac electrical activity, cardiac output, regulation of blood pressure, respiratory system, endocrine system, pulmonary ventilation and its function.
Courses: ME46
Credit Points: 8
Contact Hours: 5 per week

LSB235 ADVANCED ANATOMY
An in-depth study of the systematic and regional anatomy of the lower limb will be undertaken with particular emphasis on osteology, arthrology, angiology and neurology.
Courses: PU40
Prerequisites: LSB131
Credit Points: 12
Contact Hours: 5 per week

LSB238 CELL & MOLECULAR BIOLOGY 1
Introduction at the cell level to essential physiological and metabolic requirements fundamental to life processes. Topics include: the morphology, chemical and biochemical composition of microbial, plant and animal cells; the relationship between metabolism and energy status of cells; biomembrane function and the organisation of genetic material in cells.
Courses: ED50, LS37, SC30
Prerequisites: CHB142, LSB118
Corequisites: CHB242
Credit Points: 12
Contact Hours: 5 per week
Incompatible with: LSB222

LSB241 ANATOMY 2
A course of lectures and practical exercises involving a basic, yet comprehensive, study of the anatomy and physiology of the various body systems.
Courses: PH38
Prerequisites: LSB141
Credit Points: 10
Contact Hours: 4 per week

LSB250 HUMAN PHYSIOLOGY
Topics examined include: basic mechanisms – cells, fluids, electrolytes; energy metabolism; nutrients; transport mechanisms; blood; communication and control; excitable tissues; control systems – nervous and endocrine; maintenance systems – gastrointestinal; cardiovascular; respiratory; renal; integrated mechanisms – sexual development; pregnancy; parturition; lactation; control of growth; food intake; organic metabolism; body temperature; ECF osmolality and volume; blood pressure and flow; respiration; response to tissue damage; adaptation to stress. This unit includes a practical program of two hours per week.
Courses: LS37
Prerequisites: LSB141
Credit Points: 12
Contact Hours: 6 per week

LSB260 QUANTITATIVE METHODS IN LIFE SCIENCE 1
Topics include: weighing procedures, pH measurement, ion selective electrodes, spectrophotometers, autotitrators, automatic pipettes and dispensers and volumetric ware; calibration of instruments, correct usage, maintenance and elementary trouble shooting; correct experimental procedure, quality control and statistical analysis.
Courses: LS37
Credit Points: 12
Contact Hours: 5 per week

LSB275 BIOCHEMISTRY
The structures and functions of proteins, carbohydrates, lipids and nucleic acids, basic enzymology, mechanisms of cellular energy production and the role of ATP; the metabolism of carbohydrates, lipids and amino acids and the fundamentals of protein biosynthesis and molecular biology.
Courses: PU40
Prerequisites: CHB242
Credit Points: 12
Contact Hours: 5 per week
LSB282 BIOSCIENCE 2
This unit covers the introduction to diseases, infections and treatments; the body defence systems and control of infection and considers in depth the respiratory and cardiovascular system, and the role of the immune system. Topics include: histology and biochemistry, physiology of the respiratory and cardiovascular systems and diseases which affect these systems.
Courses: NSNS4, NS48
Prerequisites: LSB182
Credit Points: 12
Contact Hours: 5 per week

LSB300 MICROBIOLOGY 1
An introductory core unit in microbiology dealing with aspects of microbial diversity, ecology, classification and taxonomy, structure and function, nutrition and metabolism, growth and reproduction, genetics, control and host-microbe interactions.
Courses: LSB37
Prerequisites: LSB238, CHB242
Credit Points: 8
Contact Hours: 4 per week

LSB301 MICROBIOLOGY 1
An introductory core unit in microbiology dealing with aspects of microbial diversity, ecology, classification and taxonomy, structure and function, nutrition and metabolism, growth and reproduction, genetics, control and host-microbe interactions.
Courses: LSB37
Prerequisites: LSB238, CHB242
Credit Points: 8
Contact Hours: 4 per week

LSB302 ANIMAL BIOLOGY
Together with LSB478, this unit provides the foundation in animal biology that is essential for later specialist units in population studies and aquaculture. It deals with non-choroidates and covers the following topics: taxonomy, systematics, nomenclature, classification, ultrastructure, life histories, structure and physiology and evolutionary trends.
Courses: ED50, SC30
Prerequisites: LSB228
Credit Points: 12
Contact Hours: 5 per week

LSB305 BIOCHEMISTRY
The structures and functions of proteins, carbohydrates, lipids and nucleic acids; basic enzymeology; mechanisms of cellular energy production and the role of ATP; the metabolism of carbohydrates, lipids and amino acids and the fundamentals of protein biosynthesis and molecular biology.
Courses: PU45
Prerequisites: CHB259
Credit Points: 12
Contact Hours: 5 per week

LSB308 BIOCHEMISTRY 1
The structure and function of organic macromolecules: the basic biochemistry of amino acids, peptides and proteins, carbohydrates and nucleic acids; basic enzymeology; energy production in cells: high energy molecules, electron transport and oxidative phosphorylation; thermodynamics and bioenergetics.
Courses: ED30, LS37, SC30
Prerequisites: CHB242, LSB238
Credit Points: 12
Contact Hours: 5 per week

LSB320 QUANTITATIVE METHODS IN LIFE SCIENCE 2
Topics include: immunoassay, electrophoresis and isoelectric focussing; chromatography including gel filtration, affinity chromatography, ion exchange and aspects of high performance liquid chromatography; and enzymic analysis. Emphasis is placed on correct experimental procedures, hypothesis testing and the statistical interpretation of data, and quality control.
Courses: LS37
Prerequisites: LSB260
Credit Points: 8
Contact Hours: 4 per week

LSB321 SYSTEMATIC PATHOLOGY
Diseases of the organ systems: cardiovascular, respiratory, alimentary, urogenital, nervous musculoskeletal, endocrine, haematologic and skin.
Courses: PH38
Prerequisites: LSB221
Credit Points: 8
Contact Hours: 4 per week

LSB328 MICROBIOLOGY 1
An introductory core unit in microbiology dealing with aspects of microbial diversity, ecology, classification and taxonomy, structure and function, nutrition and metabolism, growth and reproduction, genetics, control and host-microbe interactions.
Courses: SC30
Prerequisites: CHB242, LSB238
Credit Points: 12
Contact Hours: 5 per week

LSB338 CELL & MOLECULAR BIOLOGY 2
A continuation and expansion of topics begun in LSB238, with an emphasis on integrated approaches to understanding life processes. Areas covered include specialised aspects of cell membranes, cell communication and recognition, specialised cell structures in bacteria, plants and animals, cell specialisation and differentiation of cell types, cell motility, cell cycle regulation and cancer.
Courses: LSB308
Prerequisites: LSB238
Credit Points: 12
Contact Hours: 5 per week

LSB343 IMAGING ANATOMY 1
A unit dealing with the regional anatomy of the head, neck, upper limb, lower limb, and vertical column and the anatomy of the structures of the above regions which are visualised by medical imaging modalities.
Courses: PH38, PH90
Prerequisites: LSB241
Credit Points: 8
Contact Hours: 4 per week

LSB348 GENETICS
An introductory unit in basic genetics. Topics include: the molecular basis of genetics, Mendelian genetics, nuclear and cytoplasmic ineritance, genotype-phenotype interactions, quantitative and behavioural genetics, and basic evolutionary theory.
Courses: ED50, SC30, LS37
Prerequisites: LSB118
Credit Points: 12
Contact Hours: 5 per week

LSB350 GENERAL & SYSTEMATIC PATHOLOGY
Principles of the study of disease and dealing with the causes and nature of circulation disorders, degenerative processes, metabolic disorders, disturbances of development and growth, inflammation, infections and infestations, regeneration and repair and neoplasia. Includes the application of general pathology to the study of diseases of the organ systems.
Courses: LSB37
Prerequisites: LSB150
Credit Points: 8
Contact Hours: 2 per week

LSB352 POPULATION ECOLOGY
A broad theoretical background in the major concepts of plant and animal ecology. Topics include: ecology of single populations, life history and demography, interactions within and between populations, population regulation, management, behavioural ecology, energetics and biogeography.
Courses: SC30
Corequisites: LSB362
Credit Points: 12
Contact Hours: 5 per week

LSB358 PHYSIOLOGY 1
A course of lectures and practicals on functional organisation of the human body including detailed studies of: excitable tissues, neural integration, muscle, sensory and motor systems; the gastrointestinal system, digestion, secretion, absorption and metabolism; temperature regulation and the endocrine system.
Courses: SC30
Prerequisites: LSB238
Credit Points: 12
Contact Hours: 5 per week

LSB361 FUNDAMENTALS OF MEDICINE
The theoretical basis for an understanding of the process of medical care. Students must understand the nature of disease processes and the clinician’s response to them in order to: design appropriate and efficient health information services for all types of health care facilities; communicate effectively with other health professionals involved in the care of patients; assist in research and quality assurance programs in the health services. A review of the important and frequently encountered diseases and disorders of the major body systems.
Courses: PU48
Prerequisites: LSB271
Credit Points: 12
Contact Hours: 3 per week

LSB362 EXPERIMENTAL DESIGN
Emphasises practical considerations of field and laboratory-
based experimentation in life science, and provides experience in problem assessment, definition, formulation of testable hypotheses and experimental design.

**Courses: SC30**  **Prerequisites:** MAB237 or MAB347  **Credit Points:** 12  **Contact Hours:** 5 per week

**LSB370 DISEASE PROCESSES**
Principles of the study of disease and dealing with the causes and nature of circulation disorders, degenerative processes, metabolic and nutritional disorders, disturbances of development and growth, inflammation, infections and infestations, regeneration and repair, and neoplasia. Includes: the applications of general pathology to the study of diseases of the heart and circulatory system, digestive system, respiratory system, urogenital system, endocrine system, nervous system, haematologic system and skin.

**Courses:** OP42  **Prerequisites:** LSB151 or LSB130  **Credit Points:** 4  **Contact Hours:** 2 per week

**LSB371 BIOCHEMISTRY 4**
The structures and functions of proteins, carbohydrates, lipids and nucleic acids; basic enzymology, mechanisms of cellular energy production and the role of ATP; the metabolism of carbohydrates, lipids and amino acids and the fundamentals of protein biosynthesis and molecular biology.

**Courses:** OP42  **Prerequisites:** CHB242  **Credit Points:** 8  **Contact Hours:** 4 per week

**LSB382 BIOSCIENCE 3**
This unit covers the regulation and integration of the nervous and endocrine systems, the gastrointestinal system and its disorders and treatments, infectious diseases of the gastrointestinal tract and their control, and treatment of renal function diseases.

**Courses:** NS40, NS48  **Prerequisites:** LSB282  **Credit Points:** 12  **Contact Hours:** 5 per week

**LSB400 MICROBIOLOGY 2**
An extension of the core unit in microbiology dealing with further aspects of microbial diversity, ecology, classification and taxonomy, action of and resistance to antimicrobial chemicals, host-microbe-environment relationships, foodborne pathogens and spoilers, practical applications of immunology, and examples of the industrial importance of microbial biotechnology.

**Courses:** LS37  **Prerequisites:** LSB300  **Credit Points:** 8  **Contact Hours:** 4 per week

**LSB401 MICROBIOLOGY**
An introductory core unit of lectures and practical exercises in microbiology dealing with cytology, nutrition, genetics, control of microbial populations, and principles of taxonomy.

**Courses:** PU45  **Credit Points:** 8  **Contact Hours:** 3 per week

**LSB405 MICROBIOLOGY**
Introduction to different classes of microorganisms; basic characteristics of bacteria and bacterial nutrition; water microbiology; food preservation; food spoilage; foodborne disease; food hygiene; microbial fermentation of foods.

**Courses:** PU49  **Prerequisites:** CHB001  **Credit Points:** 12  **Contact Hours:** 5 per week

**LSB408 BIOCHEMISTRY 2**
Topics include: aspects of carbohydrate metabolism in mammals; the chemistry and metabolism of lipids and amino acids; the chemistry and function of porphyrins; metabolic integration.

**Courses:** ED30, SC30  **Prerequisites:** LSB308  **Credit Points:** 12  **Contact Hours:** 5 per week

**LSB410 BIOCHEMISTRY 2**
Topics include: aspects of carbohydrate metabolism in mammals; the chemistry and metabolism of lipids and amino acids; the chemistry and function of porphyrins; metabolic integration.

**Courses:** LS37  **Prerequisites:** LSB308  **Credit Points:** 8  **Contact Hours:** 5 per week

**LSB421 IMAGING PATHOLOGY**
The appearances of pathology on medical images with particular emphasis on the radiographic image.

**Courses:** PH38, PH90  **Prerequisites:** LSB321  **Credit Points:** 4  **Contact Hours:** 2 per week

**LSB428 MICROBIOLOGY 2**
An extension of the core unit in microbiology dealing with further aspects of microbial diversity, ecology, classification and taxonomy, action of and resistance to antimicrobial chemicals, host-microbe-environment relationships, foodborne pathogens and spoilers, practical applications of immunology, and examples of the industrial importance of microbial biotechnology.

**Courses:** SC30  **Prerequisites:** LSB328  **Credit Points:** 12  **Contact Hours:** 5 per week

**LSB430 IMMUNOLOGY 1**
The mechanisms of the immune process including the nature of antigen, antibodies, antigen-antibody reactions, antibody formation, control of the humoral and cell-mediated immune responses, hypersensitivity and allergy, immunisation of humans against infections.

**Courses:** LS37  **Prerequisites:** LSB250, LSB300  **Credit Points:** 8  **Contact Hours:** 4 per week

**LSB431 MICROBIOLOGY 2**
Continuation of LSB301. Topics covered include: microbial growth and measurement; laboratory and field analysis; microbial control methods; food hygiene; water quality; principles of disease and epidemiology.

**Courses:** PU42, PU44  **Prerequisites:** LSB301  **Credit Points:** 8  **Contact Hours:** 3 per week

**LSB437 MOLECULAR BIOLOGY**
An introductory unit of lectures and practical/tutorial classes introducing the structure and biochemistry of the nucleic acids and methodologies for their analysis. Topics include: genome organisation and replication in bacteriophages, plasmids, bacteria and eukaryotes; the enzymes involved in replication of DNA and RNA; nucleic acid isolation and purification; and the mechanisms of transcription and translation of the genetic code in vivo.

**Courses:** LS37  **Prerequisites:** LSB308  **Credit Points:** 8  **Contact Hours:** 4 per week

**LSB438 IMMUNOLOGY 1**
The mechanisms of the immune process including the nature of antigen, antibodies, antigen-antibody reactions, antibody formation, control of the humoral and cell-mediated immune responses, hypersensitivity and allergy, immunisation of humans against infections.

**Courses:** SC30  **Prerequisites:** LSB328, LSB358  **Credit Points:** 12  **Contact Hours:** 5 per week

**LSB443 IMAGING ANATOMY 2**
A unit dealing with the regional anatomy of the thorax and abdomen regions and the anatomy of the structures of the above regions which are visualised by medical imaging modalities.

**Courses:** PH38, PH90  **Prerequisites:** LSB241  **Credit Points:** 8  **Contact Hours:** 4 per week

**LSB448 PLANT BIOLOGY**
Plant biology: morphology, anatomy reproduction, taxonomy and identification in the plant kingdom; includes a small practical project; emphasis on species of economic value; a basis for further study in plant tissue culture, physiology and ecology.

**Courses:** ED50, SC30  **Prerequisites:** LSB122 or LSB228  **Credit Points:** 12  **Contact Hours:** 5 per week

**LSB450 HAEMATOLOGY 1**
This is the introductory unit in haematology. Topics discussed include: blood collection; preparation, staining and examination of a blood film; haematology profile using manual and automated procedures; ESR; reticulocyte count; Heinz body detection; quality control procedures; overview of abnormal
erythrocyte and leucocyte abnormalities; screening tests for haemostasis.

**Courses:** LSB37  **Prerequisites:** LSB250, LSB308, LSB350  **Credit Points:** 8  **Contact Hours:** 4 per week

**LSB451 HUMAN PHYSIOLOGY**
A course of lectures and practicals, similar to LSB250.

**Courses:** OP42, PU45  **Prerequisites:** LSB230  **Credit Points:** 12  **Contact Hours:** 7 per week

**LSB452 MARINE STUDIES**
Marine ecosystems, their importance to all life along the coastal areas and to people’s livelihood; management and conservation of the sea; appreciation of its infinite value to humanity’s changing lifestyle.

**Courses:** ED50  **Prerequisites:** LSB122  **Credit Points:** 12  **Contact Hours:** 5 per week

**LSB458 PHYSIOLOGY 2**
A companion unit to LSB358 comprising lectures and practicals on blood, haemostasis, cardiac function, the vascular system and maintenance of blood pressure, circulatory and respiratory adjustments to physiological stress, pulmonary and tissue respiration, blood gas carriage, excretion, water and electrolyte balance.

**Courses:** SC30  **Prerequisites:** LSB238  **Credit Points:** 12  **Contact Hours:** 5 per week

**LSB460 HISTOPATHOLOGY 1**
An introductory subject presenting methods of preparing tissue samples for observation by various forms of light and electron microscopy. Topics include: laboratory safety; fixation, processing and embedding of samples; decalcification; microscopy; general principles of staining, routine staining methods; use of microwaves; immunohistochemistry and microscopy techniques.

**Courses:** LS37  **Prerequisites:** CHB242, LSB150  **Credit Points:** 8  **Contact Hours:** 4 per week

**LSB468 MOLECULAR BIOLOGY**
An introductory subject of lectures and practical/tutorial sessions introducing the structure and biochemistry of the nucleic acids and methodologies for their analysis. Lecture topics include genome organisation and replication in bacteriophages, plasmids, bacteria and eukaryotes; the enzymes involved in the replication of DNA and RNA; nucleic acid isolation, purification and analysis; and the mechanisms of transcription and translation of the genetic code in vivo.

**Courses:** SC30  **Prerequisites:** LSB308, LSB338  **Credit Points:** 12  **Contact Hours:** 5 per week

**LSB470 DISEASE PROCESSES 4**
See LSB370.

**Courses:** PU45  **Credit Points:** 8  **Contact Hours:** 4 per week

**LSB478 ANIMAL PHYSIOLOGY**
An introduction to comparative animal physiology. Emphasis is on the physiological ecology of whole animals, their functioning and survival in natural environments.

**Courses:** ED50, SC30  **Prerequisites:** LSB122 or LSB228  **Credit Points:** 12  **Contact Hours:** 5 per week

**LSB480 PROFESSIONAL PRACTICE**
This unit introduces students to the workplace, i.e. a pathology laboratory. The student undertakes a two-four week work experience program in a city or country pathology laboratory during the summer vacation between semesters 4 and 5 of the full-time course and between semesters 8 and 12 of the part-time course.

**Courses:** LS37  **Corequisites:** LSB400, LSB410, LSB430, LSB450, LSB460

**LSB488 PLANT PHYSIOLOGY 1**
Whole plant physiology and the functional systems of plants. An important unit for students continuing their studies in the plant biotechnology and ecology areas.

**Courses:** ED50, SC30  **Prerequisites:** LSB222 or LSB228  **Credit Points:** 12  **Contact Hours:** 5 per week

**LSB491 MICROBIOLOGY 3**
An introductory core unit of microbiology for students of optometry: with cytology, nutrition, genetics, control of microbial populations and principles of taxonomy in relation to optometry.

**Courses:** OP42  **Credit Points:** 6  **Contact Hours:** 3 per week

**LSB498 ECOLOGICAL METHODS**
The theory and practice of methods to determine and measure important ecological parameters and characteristics. These methods are essential tools for the study of biological populations and communities. Content includes estimation of population size, determination of dispersion patterns, detecting competition, and vegetation classification and mapping.

**Courses:** SC30  **Prerequisites:** LSB352, LSB362  **Credit Points:** 12  **Contact Hours:** 5 per week

**LSB507 AQUATIC SYSTEMS**
An introduction to the structure and behaviour of marine, brackish and freshwater systems and communities. The subject provides a foundation for studies in aquaculture and population management.

**Courses:** SC30  **Prerequisites:** LSB352  **Credit Points:** 12  **Contact Hours:** 5 per week

**LSB508 BIOCHEMISTRY 3**
Detailed information is provided on the catabolic and anabolic pathways for the major macromolecules in mammalian systems. Important aspects of non-mammalian metabolism are described. Advanced concepts in bioenergetics and thermodynamics are described in the context of cellular metabolism. Integration of metabolism including production of mixed conjugates of biological significance such as amino-sugars and lipopolysaccharides, and hormonal regulation of metabolism.

**Courses:** SC30  **Prerequisites:** LSB408  **Credit Points:** 12  **Contact Hours:** 5 per week

**LSB510 MICROBIOLOGY 3**
A unit comprising parasitology, virology and mycology components. Parasitology studies will be directed towards the laboratory diagnosis of parasitic disease in humans. It will consist of a systematic study of identification, life history, incidence, modes of infection, epidemiology and control of parasites infecting humans. Clinical virology will include a study of viral compositions, morphologies and life cycles, cell culture and viral CPE, diagnostic methods, pathogenesis and control of viral infections and detailed discussion of important viral diseases of humans. Clinical mycology will involve studying the classification of mycoses, collection and treatment of clinical material for the mycological culture and characterisation/identification of fungi responsible for superficial, cutaneous, subcutaneous and systemic infections of humans.

**Courses:** LSB36  **Prerequisites:** LSB400  **Credit Points:** 8  **Contact Hours:** 5 per week

**LSB517 PLANT TISSUE CULTURE 1**
A broad introduction to plant tissue culture. Techniques and media preparation leading to a coverage of micropropagation. Topics include: organogenesis, embryogenesis, genetic variability, anther culture and secondary metabolite production. Some emphasis is placed on the tissue culture of horticultural crops and a field excursion may be included.

**Courses:** ED50, SC30  **Prerequisites:** LSB488  **Credit Points:** 12  **Contact Hours:** 5 per week

**LSB520 CLINICAL BIOCHEMISTRY 1**
Introduces the study of chemical aspects of human life in health and illness and discusses the application of chemical laboratory methods to diagnosis, control of treatment and prevention of disease. Topics include: kidney, pancreas, liver and gastric functions; the metabolism of lipids, carbohydrates and proteins.

**Courses:** LSB36  **Prerequisites:** LSB250; LSB320; LSB410  **Credit Points:** 8  **Contact Hours:** 4 per week
■ LSB527 ANALYTICAL BIOCHEMISTRY
A companion to unit LSB508 on biochemistry analysis. Topics include: enzyme-based analyses; advanced analysis using isotopes; immunoassays and the major biomolecules.
Courses: SC30
Prerequisites: LSB408
Credit Points: 12

■ LSB528 MICROBIAL PHYSIOLOGY & METABOLISM
The composition, organisation, structure and activity of the microbial cell: bacteria, yeasts and moulds. Topics include: light microscopy and staining methods; cell structure; enrichment, isolation and growth of cultures; the kinetics of growth; biosynthesis of cellular materials; regulation of metabolism; microbial genetics; sporogenesis and germination.
Courses: SC30
Prerequisites: LSB428
Credit Points: 12
Contact Hours: 5 per week

■ LSB530 IMMUNOLOGY 2
The unit builds on the basic knowledge provided in LSB430 and provides an understanding of the genetic control of antibody diversity, the function of antibody and complement at a molecular level, cell interactions in the immune response and immunological process in resistance to and recovery from infection. Practical classes place emphasis on the competent performance of immunological procedures rather than just a demonstration of immunological principles.
Courses: LS36
Credit Points: 8
Contact Hours: 4 per week

■ LSB532 POPULATION GENETICS
An extension of LSB348 Genetics. Topics include: the genetic structure of populations and processes of evolutionary change: natural selection, inbreeding and adaptation, species and speciation theory; ecological genetics and the genetics of behaviour.
Courses: SC30
Prerequisites: LSB348
Credit Points: 12
Contact Hours: 5 per week

■ LSB537 GENETIC ENGINEERING
This subject comprises lectures and practical classes designed to develop concepts and skills in the recombinant DNA technologies used in genetic engineering. Lecture topics include the enzymes, vectors and host cells for gene isolation and cloning; strategies and procedures for cellular transformation and gene library construction; nucleic acid hybridisation techniques; and methods of screening for recombinant clones using radioactive and non-radioactive gene probes.
Courses: SC30
Prerequisites: LSB468
Credit Points: 12
Contact Hours: 5 per week

■ LSB540 MOLECULAR PATHOGENESIS & DISEASE DIAGNOSIS 1
This unit comprises a series of lectures dealing with the molecular aspects of pathogenesis and diagnosis of diseases. After a general introduction in which certain basic molecular biology techniques are discussed, a number of infectious and genetic diseases are addressed.
Courses: LS36 Prerequisites: LSB238; LSB308; LSB348
Credit Points: 8
Contact Hours: 2 per week

■ LSB547 CLINICAL BACTERIOLOGY
A study of clinical bacteriology dealing with the characteristics, isolation and identification of bacteria implicated in human disease; the collection and examination of clinical specimens; the initial use of computerised data bases in bacterial identification and antibiotic sensitivity tests on laboratory isolates; the interpretation and reporting of results.
Courses: SC30
Prerequisites: LSB428
Credit Points: 12
Contact Hours: 5.5 per week

■ LSB550 HAEMATOLOGY 2
This unit concentrates on erythrocyte disorders. Topics discussed include: haemopoiesis; the erythrocyte - structure and function; kinetics, metabolism, general aspects and classification of anaemia; anaemias with defective haemoglobin synthesis; macrocytic anaemias; hypoproliferative anaemias; anaemia of chronic renal disease; chronic liver disease; haemolytic anaemia – hereditary and acquired.
Courses: LS36 Prerequisites: LSB410; LSB437; LSB450
Credit Points: 8
Contact Hours: 4 per week

■ LSB557 MANAGEMENT OF EXPLOITED POPULATIONS
This subject deals with the practice of managing populations for sustainable yield. Emphasis is placed on wildstock fisheries and forestry, and aims to develop student skills in current techniques and practices used in these industries.
Courses: SC30
Prerequisites: LSB498
Credit Points: 12
Contact Hours: 5 per week

■ LSB558 ADVANCED PHYSIOLOGY
An extension of prior knowledge of physiological processes which occur in a specific range of cardiovascular, neurological and other body functions. Also an introduction to experimental design in the practicals.
Courses: SC30
Prerequisites: LSB358; LSB458
Credit Points: 12
Contact Hours: 5 per week

■ LSB560 HISTOPATHOLOGY 2
A more detailed study of the science of histopathology. Topics include: quality assurance and control; methods applicable to the handling, processing and staining of a range of biopsy and postmortem tissues; endogenous and exogenous pigments; microorganisms; enzyme histochemistry; advanced immunohistochemistry; autoradiography; methods used in tumour diagnosis and differentiation; use of polymerase chain reaction with histological samples; in situ hybridization and the use of electron microscopy in histopathology.
Courses: LS36
Credit Points: 12
Contact Hours: 5 per week

■ LSB562 SYSTEMS ECOLOGY
An introduction to general systems theory as a unifying concept in biology and its applications to the study of simple biological systems. Emphasis is placed on modelling techniques with an introduction to computer simulation of simple biological systems.
Courses: SC30
Prerequisites: LSB320, LSB352
Credit Points: 12
Contact Hours: 5 per week

■ LSB567 IMMUNOLOGY 2
The unit builds on the basic knowledge provided in LSB430 and provides an understanding of the genetic control of antibody diversity, the function of antibody and complement at a molecular level, cell interactions in the immune response and immunological process in resistance to and recovery from infection. Practical classes place emphasis on the competent performance of immunological procedures rather than just a demonstration of immunological principles.
Courses: SC30
Prerequisites: LSB460
Credit Points: 8
Contact Hours: 4 per week

■ LSB578 VIROLOGY
Lectures and practical classes designed to introduce students to the basic concepts of virology. A range of viruses and virus diseases are examined and topics include viral morphology and composition, taxonomy and classification, replication, purification, diagnosis and assay, transmission and control.
Courses: SC30
Prerequisites: LSB428
Credit Points: 12
Contact Hours: 5 per week

■ LSB588 PLANT PHYSIOLOGY 2
The sequence of biochemical and physiological events during the life history of a plant. Topics include: starch and oil mobilisation during seed germination, biosynthesis of cell membranes, cell pigments (carotenoids, chlorophylls), and plant cell walls; photosynthetic assimilation of nitrogen and sulphur (overview of biosynthesis of all amino acids); biosynthesis of so-called secondary plant products e.g. terpenoids, flavonoids, and the lignin component of wood; biosynthesis of starch and oils in new seeds. Laboratory classes emphasize techniques of value to plant biochemical research.
Courses: SC30
Prerequisites: LSB488
Credit Points: 12
Contact Hours: 5 per week
■ LSB598 MOLECULAR PATHOGENESIS & DISEASE DIAGNOSIS 1
This unit comprises a series of lectures, tutorials, workshops and practical classes dealing with the molecular aspects of pathogenesis and diagnosis of diseases. After a general introduction in which certain basic molecular biology techniques are discussed, a number of infectious and genetic diseases are addressed. Current technologies are used in the practical classes and their use in analysis and diagnosis highlighted.
Courses: SC30
Corequisites: LSB338, LSB348
Credit Points: 12
Contact Hours: 5 per week

■ LSB607 BIOCHEMICAL SEPARATIONS
An advanced Course of lectures and a comprehensive project designed to integrate a number of specialist biochemical procedures including centrifugation, liquid chromatography, electrophoresis, spectrophotometry and peptide mapping. Students participate in group projects where they are required to design and execute their own experimental protocols for the purification and analysis of selected proteins.
Courses: SC30, LS70
Credit Points: 12
Contact Hours: 5 per week

■ LSB608 BIOCHEMISTRY 4
A Course of lectures, tutorials and practicals dealing with properties and analyses of proteins. Students will gain knowledge and understanding in the use of the forces that determine protein structure, and an understanding of the techniques for analysing and altering protein properties. Discussion will include methods of sequence analysis, algorithms for structure prediction, design and construction of synthetic proteins, and evolution and significance of structural motifs.
Courses: SC30
Credit Points: 12
Contact Hours: 5 per week

■ LSB610 CLINICAL BACTERIOLOGY
A study of clinical bacteriology dealing with the characteristics, isolation and identification of bacteria implicated in human disease; the collection and examination of clinical specimens; the initial use of computerised data bases in bacterial identification and antibiotic sensitivity tests on laboratory isolates; the interpretation and reporting of results.
Courses: LS36
Credit Points: 8
Contact Hours: 5.5 per week

■ LSB620 CLINICAL BIOCHEMISTRY 2
Study of clinical biochemistry with emphasis on enzymes, electrolytes, blood gases, drugs, vitamins, functions of the thyroid and adrenal glands, autoanlyses, quality control and steroid metabolism.
Courses: LS36
Credit Points: 8
Contact Hours: 4 per week

■ LSB627 ELECTRON MICROSCOPY
A theoretical and practical background to the operation and use of scanning and transmission electron microscopes in biological, materials and forensic science; basic principles of specimen preparation with emphasis on methods complimentary to biology, microbiology and molecular biology; analytical capabilities of electron beam instruments.
Courses: SC30
Credit Points: 12
Contact Hours: 5 per week

■ LSB628 FOOD & WATER MICROBIOLOGY
Aspects of the microbiology of foods and water. Topics include: sampling plans; foodborne infections; food hygiene; food standards and the law; food ecology and its relationship to food spoilage and preservation; industrial fermentations; NATA requirements for laboratory registration; methods of microbiological examination of foods and water.
Courses: SC30
Credit Points: 12
Contact Hours: 5 per week

■ LSB630 IMMUNOLOGY 3
This Course is designed to provide students with an understanding of the antigens, immune mechanisms and clinical factors involved in blood transfusion and tissue transplantation. An understanding of immunity gained in LSB430 and LSB530 is applied in this subject. The genetic basis of blood grouping and tissue typing is introduced and forms the basis for a study of the blood group antigens and associated antibodies. The subject is presented with an emphasis on developing proficiency and problem solving in a clinical laboratory situation.
Courses: LSB630
Credit Points: 8
Contact Hours: 4 per week

■ LSB637 MOLECULAR GENETICS
An advanced Course of lectures, seminars, demonstrations and practical exercises dealing with specialist techniques used in molecular biology. Lecture topics include the polymerase chain reaction and associated technologies, molecular methods for the detection and typing of bacteria, the control of gene expression in eukaryotic cells, and specialised techniques such as nucleic acid sequencing and DNA footprinting.
Courses: SC30
Credit Points: 12
Contact Hours: 5 per week

■ LSB640 MOLECULAR PATHOGENESIS & DISEASE DIAGNOSIS 2
This unit comprises a series of lectures dealing with the molecular aspects of pathogenesis and diagnosis of diseases. A number of haematological, neuro-degenerative disorders, and certain cancers are addressed.
Courses: LS36
Credit Points: 8
Contact Hours: 2 per week

■ LSB647 MICROBIOLOGY 3
A unit comprising parasitology, virology and mycology components. Parasitology studies are directed towards the laboratory diagnosis of parasitic disease in humans. It consists of a systematic study of identification, life history, incidence, modes of infection, epidemiology and control of parasites infecting humans. Clinical virology includes a study of viral compositions, morphologies and life cycles, cell culture and viral CPE, diagnostic methods, pathogenesis and control of viral infections and detailed discussion of important viral diseases of humans. Clinical mycology involves studying the classification of mycoses, collection and treatment of clinical material for the mycological culture and characterisation/identification of fungi responsible for superficial, cutaneous, subcutaneous and systemic infections of humans.
Courses: SC30
Credit Points: 8
Contact Hours: 5 per week

■ LSB648 MICROBIAL TECHNOLOGY
An advanced Course of lectures and practical sessions dealing with the industrial use of microorganisms. Topics include: screening and strain development; large scale fermentation; product recovery; biochemical engineering; microbial fermentation of food products; primary and secondary metabolites of industrial importance; single cell protein; microbial transformations; biodeterioration and bioleaching; molecular detection and analysis of microorganisms.
Courses: SC30
Credit Points: 12
Contact Hours: 5 per week

■ LSB650 HAEMATOLOGY 3
There are 2 major sections in this unit: abnormalities of haemostasis and leucocyte disorders. Topics discussed in this unit include: coagulation factor disorders – hereditary and acquired; fibrinolysis; thrombosis; anticoagulant therapy; platelet disorders; leucocyte disorders – non-malignant and malignant; overview of paediatric haematology; introduction to veterinary haematology.
Courses: LS36
Credit Points: 8
Contact Hours: 4 per week

■ LSB657 PERSPECTIVES IN LIFE SCIENCE
Positive and negative aspects of humanity’s utilisation of resources (especially biological resources) are critically analysed. Topics include the history and philosophy of science, ethics in animal experimentation, ownership of valuable spe-
cies, ownership and release of genetically-engineered organisms, and major current consequences of resource use: food production, health care, shelter, employment, pollution, loss of soil, loss of biodiversity. Students are encouraged to distinguish between scientifically established facts and current hypotheses concerning the futures of humanity and the biosphere, and to consider what strategies might permit truly sustainable use of biological resources.

Courses: ED50, SC30  
Prerequisites: LSB118 or LSB122  
Credit Points: 12  
Contact Hours: 5 per week

■ LSB658 CLINICAL & APPLIED PHYSIOLOGY
Advanced aspects of physiology using a study of clinical disease states to illustrate how normal physiological processes work. Cases will be drawn from disorders of the cardiovascular, haematological, renal, gastrointestinal, nervous and endocrine systems.

Courses: SC30  
Prerequisites: LSB357 & LSB458  
Credit Points: 12  
Contact Hours: 5 per week

■ LSB660 HISTOPATHOLOGY 3
Reviews recent advances in diagnostic histopathology and introduces advanced and specialised methods including scanning electron microscopy and X-ray microanalysis. Techniques for diagnostic cytology concentrating on specimen preparation and the microscopic detection of cancerous and other abnormal cells in human tissues and body fluids.

Courses: LS36  
Prerequisites: LSB550  
Credit Points: 8  
Contact Hours: 4 per week

■ LSB667 CONSERVATION BIOLOGY
This subject focuses on community ecology and systems behaviour in terrestrial environments. The major theme is conservation and modern concepts of metapopulation dynamics. This subject focuses on community ecology and systems behaviour in terrestrial environments. The major theme is conservation and modern concepts of metapopulation dynamics.

Courses: SC30  
Prerequisites: LSB352  
Credit Points: 12

■ LSB677 PEST MANAGEMENT
This subject addresses the principles and practice of population management applied to animal and plant pest species. Attention is focused on crop protection but a wide range of examples, including transmission of diseases affecting humans, is covered.

Courses: SC30  
Prerequisites: LSB498  
Credit Points: 12  
Contact Hours: 5 per week

■ LSB687 AQUACULTURE
A practical subject introducing methods and techniques associated with the commercial production of aquatic species in hatcheries and on aquafarms. Topics include: water quality measurements and management; intensive production of food organisms; induction of maturation and spawning; nursing and rearing larvae and fry; feeding; diagnosis and treatment of health problems; handling and husbandry.

Courses: SC30  
Prerequisites: LSB352, LSB362  
Credit Points: 12  
Contact Hours: 5 per week

■ LSB697 PLANT BIOTECHNOLOGY
An advanced biotechnology subject designed to provide students with a practical and theoretical understanding of mechanisms for genetic manipulation of plants; the application of genetic transformation to improve plants; the application of molecular biological techniques to conventional plant breeding; the use of plants as prorreactors; and aspects of commercial release of genetically engineered plants.

Courses: SC30  
Prerequisites: LSB517, LSB588  
Corequisites: LSB668  
Credit Points: 12  
Contact Hours: 5 per week

■ LSB698 MOLECULAR PATHOGENESIS & DISEASE DIAGNOSIS 2
This unit comprises a series of lectures, tutorials, workshops and practical classes dealing with the molecular aspects of pathogenesis and diagnosis of diseases. A number of haematological, neuro-degenerative disorders, and certain cancers are addressed. The practical classes make use of current technologies and highlight their use in analysis and diagnosis.

Courses: SC30  
Prerequisites: LSB598
Corequisites: LSB637  
Credit Points: 12  
Contact Hours: 5 per week

■ LSB722 RESEARCH STRATEGIES
A series of seminars presented by staff of the Faculties of Health and Science and other research scientists on their area of expertise. A series of tutorials and lectures on such topics as library searches, oral communications, written communications and ethics. A written assignment in the areas of microbiology, biochemistry and biotechnology. A seminar presented by the student covering the background literature relevant to the student’s research project.

Courses: SC60  
Credit Points: 16

■ LSB723 READINGS IN LIFE SCIENCE 1
The preparation of a literature review of direct and associated relevance to the Honours research project under the guidance of the supervisor(s). Includes an in-depth computer search, the presentation of a written paper demonstrating a considerable knowledge, understanding and appreciation of the literature as well as a critical appraisal of future research requirements.

Courses: SC60  
Credit Points: 16

■ LSB725 PROJECT
All students undertaking Honours in biotechnology, biochemistry or microbiology are required to select and undertake, in consultation with a supervisor, a suitable project.

Courses: SC60  
Credit Points: 10

■ LSB825 PROJECT
The preparation of a paper reporting the methods and results of investigations in the Honours Research Projects. The paper also includes an introduction, analysis and discussion of the project in a style and length deemed to be appropriate by the Head of School. Students should select this project work to published work already undertaken in the field.

Courses: SC60  
Credit Points: 48

■ LSN009 READINGS IN LIFE SCIENCE 4
A review of literature in an area determined in consultation with the supervisor. The area can be associated with the research project topic and can be broadly or narrowly focused but should not include any significant material covered in LSN013. The review should cover the background to the area as well as recent advances and identify deficiencies and possible future research directions. The review should be a critical analysis of the area. Reviews should normally be approximately 5,000 words.

Courses: IF49, SC80  
Credit Points: 12  
Contact Hours: 1 per week

■ LSN011 RESEARCH SEMINARS IN LIFE SCIENCE 1
A 30-minute public seminar to include a presentation and question period addressing the proposed research topic in the postgraduate degree and outlining the proposed directions of the research program. The seminar should normally be presented within 12 months (full-time) or 24 months (part-time) of commencement of the postgraduate program.

Courses: IF49, SC80  
Credit Points: 6

■ LSN013 READINGS IN LIFE SCIENCE 3
A comprehensive and critical review of the background and current literature directly related to the research project topic. The review should identify major and minor deficiencies in the research literature and identify possible directions for future research. The review should be approximately 10,000 words and at least one draft should be presented to the supervisor prior to final submission.

Courses: IF49, SC80  
Credit Points: 24
UNIT SYNOPSES

■ LSN023 RESEARCH SEMINARS IN LIFE SCIENCE 3
A 60-minute public seminar to include a presentation and question period outlining the results of the postgraduate research program as well as possible future research directions in this area.
Courses: IF49, SC80  Credit Points: 12

■ LSN102 CELLULAR BASIS OF DISEASE
Courses: LS70, LS80  Credit Points: 12  Contact Hours: 3 per week

■ LSN110 MOLECULAR BASIS OF DISEASE
The aetiology, diagnosis and treatment of various diseases; study of molecular structures, biochemical reactions, integration and control of metabolism. Topics include: gene structure and function, proteins; structure and molecular dysfunction, and enzymes; properties and alterations in diseases; metabolic integration and hormone action, hormones and organ disease, disorders of carbohydrate and lipid metabolism and chemotheraphy.
Courses: LS70, LS80  Credit Points: 12  Contact Hours: 3 per week

■ LSN150 ETHICS & LIFE SCIENCE
A course which looks at the ethical implications of contemporary issues including: methods of epidemiological and research strategies, gene therapy, informed consent, abortion, ethics committees, organ transplantion and supply including foetal tissues.
Courses: LS80  Credit Points: 12  Contact Hours: 3 per week

■ LSN159 ADVANCED PATHOLOGY
The fundamentals of anatomy, physiology and pathology; emphasis on applied cross-sectional anatomy and integration of knowledge of pathological processes.
Courses: PH80  Credit Points: 12  Contact Hours: 4 per week

■ LSN510 CLINICAL BIOCHEMISTRY 1
The use of clinical biochemistry in the diagnosis of diseases. Disorders of fluid and electrolyte balance systems, disorders of the gastrointestinal, pancreatic and hepato-biliary systems, and disorders of the cardiovascular system and hypertension are studied, concentrating on diagnosis and the interpretation of biochemical results. In addition, aspects of instrumentation and laboratory methods are reviewed.
Courses: LS80  Prerequisites: 96 credit points in LS80  Credit Points: 12  Contact Hours: 3 per week

■ LSN511 HAEMATOLOGY 1
Haematologic diseases; their aetiology, laboratory investigation, pathogenesis, principles of treatment and laboratory monitoring. The study program includes seminars, oral presentations and assignments selected from: haemopoietic kinetics, haemolysis, haemorrhage and the haematologic implications of systemic disease. Assessment is by formal examination, assignments and seminar participation.
Courses: LS80  Prerequisites: 96 credit points in LS80  Credit Points: 12  Contact Hours: 3 per week

■ LSN512 HISTOPATHOLOGY 1
Recent advances and modern methods in diagnostic histopathology. Topics include: immunohistochemistry, enzyme histochemistry and transmission electron microscopy methods.
Courses: LS80  Prerequisites: 96 credit points in LS80  Credit Points: 12  Contact Hours: 3 per week

■ LSN515 MICROBIOLOGY 1
Bacteriology, virology, mycology and parasitology. Topics are chosen to increase the knowledge and understanding of micro-organisms associated with human infection. Recent trends and developments in diagnostic microbiology are studied. A critical approach to the assessment of laboratory practices and interpretation of data is developed.
Courses: LS80  Prerequisites: 96 credit points in LS80  Credit Points: 12  Contact Hours: 3 per week

■ LSN517 IMMUNOLOGY 1
Information retrieval systems and scientific writing. Five essay topics are selected following discussion with students, supervisor/employer.
Courses: LS80  Credit Points: 12  Contact Hours: 3 per week

■ LSN518 DIAGNOSTIC CYTOLOGY 1
Review of recent advances and modern methods in diagnostic cytology. The major topics are in gynaecological cytology.
Courses: LS80  Prerequisites: LSN510  Credit Points: 12  Contact Hours: 3 per week

■ LSN610 CLINICAL BIOCHEMISTRY 2
Clinical biochemistry in the diagnosis of diseases. Endocrinology, disorders of the muscular and skeletal systems, disorders of special groups, nutrition and drugs, neurochemistry and neural disorders, cancer-associated biochemical abnormalities, and seriously ill patients are studied, concentrating on diagnosis and the interpretation of results.
Courses: LS80  Prerequisites: LSN510  Credit Points: 12  Contact Hours: 3 per week

■ LSN611 HAEMATOLOGY 2
Topics include: age-related changes to the haemopoietic system, perinatal haematology, paediatric haematology and haematology in the elderly, nutrition anaemias, non-malignant and malignant leucocyte disorders, transplantation, automation and quality control. Since outside lecturers participate in these special electives some interchange of topics between this unit and LSN511 may be necessary.
Courses: LS80  Prerequisites: LSN511  Credit Points: 12  Contact Hours: 3 per week

■ LSN612 HISTOPATHOLOGY 2
Methods in diagnostic histopathology. The design and assessment of diagnostic programs to aid the identification of tumours and diseases of selected organ systems. Specialised techniques including aspiration cytology, scanning electron microscopy and analytical electron microscope methods.
Courses: LS80  Prerequisites: LSN512  Credit Points: 12  Contact Hours: 3 per week

■ LSN615 MICROBIOLOGY 2
Areas of bacteriology, virology, mycology and parasitology. Topics are chosen to increase the knowledge and understanding of micro-organisms associated with human infection. Recent trends and developments in diagnostic microbiology are studied. A critical approach to the assessment of laboratory practices and interpretation of data is developed.
Courses: LS80  Prerequisites: LSN515  Credit Points: 12  Contact Hours: 3 per week

■ LSN617 IMMUNOLOGY 2
Assist with the preparation of scientific publications and the presentation of data orally. Students are expected to prepare a short scientific paper based on raw data provided. They also prepare and present a short seminar based on the scientific paper.
Courses: LS80  Prerequisites: LSN517  Credit Points: 12  Contact Hours: 3 per week

■ LSN618 DIAGNOSTIC CYTOLOGY 2
Exploration of recent advances, methods and their applications in diagnostic cytology of body sites. Topics include: respiratory and urinary tract, body fluids and techniques such as fine needle aspiration.
Courses: LS80  Prerequisites: LSN518  Credit Points: 12  Contact Hours: 3 per week
A supervised project in an area selected by the student. The project area may be novel, developmental or directed at an investigation of a new system into the laboratory. Other areas which are considered appropriate include epidemiological analyses, laboratory safety, laboratory design or the efficacy of laboratory service. Each student submits a written project report in a style to present the data.

**Courses:** LSN70  
**Credit Points:** LSN710 = 48, LSN711 & LSN712 = 24

**LSN711 GENERAL BIOLOGY**
This unit provides an overview of taxonomies; the structure and function of eukaryotic and prokaryotic cells; the study of mammalian cells, protozoa, fungi, algae, viruses, helminths and bacteria.  
**Courses:** SC15  
**Credit Points:** 8  
**Contact Hours:** 5 per week

**LSP127 BUSINESS ASPECTS OF BIOTECHNOLOGY**
Commercial perspectives of a biotechnology company; funding for commercial research; research patents and intellectual property; GMAC/recombinant DNA guidelines and regulations; overview of Australian biotechnology companies; site visits to one or two biotechnology companies.  
**Courses:** LS70  
**Credit Points:** 12  
**Contact Hours:** 5 per week

**LSP735 HUMAN MOLECULAR BIOLOGY**
A course of specialist lectures and research assignments for postgraduate students relating to the organisation and regulation of expression of information stored in the human genome. Additional subject areas include the molecular basis of genetic disorders, cancer, oncogenes and infectious disease; and clinical applications of nucleic acid diagnostic procedures, e.g. linkage analysis, DNA profiling, genetic screening.  
**Courses:** LS70, LS80  
**Prerequisites:** LSB637  
**Credit Points:** 12  
**Contact Hours:** 5 per week

**LSP737 PLANT & ANIMAL MOLECULAR BIOLOGY**
Techniques and applications of molecular biology for the genetic manipulation of plants and animals.  
**Courses:** LS70  
**Prerequisites:** LSB637  
**Credit Points:** 12  
**Contact Hours:** 5 per week

**LWB130 INTRODUCTION TO STUDY IN LAW**
This unit provides an intensive introductory framework for the study of law at QUT. It outlines fundamental aspects of law and the legal system. It also provides an introduction to the learning environment at QUT including different learning styles, the objectives and structure of the course, the skills and knowledge required and the learning environment in which they are acquired; an orientation or guidance map at the point of entry to the LLB learning environment.  
**Courses:** IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LW41, LX31, LX32, LX33  
**Credit Points:** Nil

**LWB131 LAW IN CONTEXT**
The varied contexts of law; involves input on some of the sources of law and traditional doctrinal approaches supplemented by contextual material describing other ways of seeing law from a number of perspectives including ideological, historical, political, social, economic and comparative.  
**Courses:** IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LW41, LX31, LX32, LX33  
**Credit Points:** 24  
**Incompatible with:** LWB101

**LWB132 CONTRACTS**
Formation of contracts; equitable estoppel; privilege of contract; formalities; express and implied terms; discharge of contracts (performance, breach, agreement, frustration); remedies; vesting factors (misrepresentation, mistake, undue influence, duress, unconscionable contracts, illegality).  
**Courses:** IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LW41, LX32, LX33  
**Credit Points:** 24  
**Contact Hours:** 3 per week  
**Incompatible with:** LWB102

**LWB133 TORTS**
At its most general level this branch of the law is concerned with the question of compensation to be given by a person causing a loss to a person suffering a loss. Areas of everyday conflict which may be resolved by principles of tort liability include damage sustained as a result of a motor-vehicle collision, work related accidents, and injury to a person’s reputation from publication of defamatory material. The rules are examined to ascertain whether they satisfy the critical test: functional adequacy in terms of contemporary values.  
**Courses:** IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LW41, LX32, LX33  
**Credit Points:** 24  
**Contact Hours:** 4 per week  
**Incompatible with:** LWB103

**LWB134 RESEARCH & LEGAL REASONING**
Legal reasoning involves the application of rules or standards of law to the resolution of legal problems, which typically arise in disputes, or potential disputes, between parties. Topics include: how to find the existing rules or standards of law and apply them to the solution of straightforward legal problems; and how to try to anticipate the way in which courts will decide the more complex or controversial matters.  
**Courses:** IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LW41, LX31, LX32, LX33  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** LWB104

**LWB135 LEGISLATION**
Legislation (Acts of Parliament and delegated legislation) is the source of a very high and increasing proportion of law within the Australian system. An ability to understand the legislative process and the ability to read and interpret legislation provide some of the essential building blocks and background to the study and practice of statute based areas of the law. Such areas constitute the majority of later year units.  
**Courses:** IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LW41, LX31, LX32, LX33  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** LWB101

**LWB231 INTRODUCTION TO PUBLIC LAW**
The basic institutions of government the executive, the Parliament and the judiciary; the general principles to which legislative power is subject, and the principles by which executive decision making is held accountable.  
**Courses:** IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LW41, LX31, LX32, LX33  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** LWB203 and LWB311

**LWB232 CRIMINAL LAW AND PROCEDURE**
The criminal law in force in Queensland; criminal responsibility; parties to offences, major indictable offences. The wider context of the operation of the criminal law; penal principles and the justifications for imposing punishment by the State; aspects of the disposition of offenders in the sentencing part of a criminal trial; imprisonment and release procedures.  
**Courses:** IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, LW31, LW33, LW41, LX31, LX32, LX33  
**Credit Points:** 24  
**Contact Hours:** 3 per week  
**Incompatible with:** LWB202

**LWB233 PROPERTY 1**
The general principles of property law; the nature of property, ownership and title and the differences between various types of property; Aboriginal native title and the rules relating to real property, including the Torrens system and major interests in land.  
**Courses:** IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LW41, LX31, LX33

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**Credit Points:** 740
Credit Points: 24  Contact Hours: 3 per week  Incompatible with: LWB201

LWB234 EQUITY & TRUSTS
The major principles of equity including: fiduciaries, unconscionable dealings and the principal equitable remedies; trusts and trusteeship.
Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LW41, LX31, LX33
Credit Points: 24  Contact Hours: 3 per week  Incompatible with: LWB301

LWB235 AUSTRALIAN FEDERAL CONSTITUTIONAL LAW
The constitutional arrangements effected by the Commonwealth Constitution; the structure and institutions of the constitution; the division of power between Commonwealth and states; and relations between the different levels of government; emphasis to Commonwealth legislative powers, executive and judicial powers.
Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LW41, LX31, LX33
Prerequisites: LWB231
Credit Points: 12  Contact Hours: 3 per week  Incompatible with: LWB203

LWB302 FAMILY LAW
The manner in which the law treats the special social relationships which exist among members of a family and transforms them into legal rights and duties. The family as a legal phenomenon; annulment of marriages; dissolution of marriages; consequences of separation and divorce, such as maintenance, adjustment of interests in property and parental responsibilities.
Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LX31, LX32, LX33
Credit Points: 12  Contact Hours: 3 per week

LWB306 LOCAL GOVERNMENT & PLANNING LAW
The sources of legal authority for the government of cities, towns and shires; laws relating to town planning and subdivision, including the principles applicable to the rezoning of land; uses of land; control of developments by local governments; rights to object to development; control exercised over subdivision of land by local government; rights of appeal from local government decisions; structure, purpose and procedure of the Planning and Environment Court; other legislation related to the town planning process, such as heritage legislation and contaminated land legislation.
Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LX31, LX32, LX33
Credit Points: 8  Contact Hours: 2 per week

LWB307 INSOLVENCY LAW
The insolvency of individuals and the Bankruptcy Act 1966 (Cth); winding up of companies, schemes of arrangement and voluntary administration as procedures other than winding up which may be open to an insolvent company; the law relating to receivership; relevant provisions of the Corporations Law.
Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LX31, LX32, LX33
Prerequisites: LWB132 & LWB243
Credit Points: 12  Contact Hours: 3 per week

LWB308 INDUSTRIAL LAW
Rights and duties of employers and employees; unfair dismissal; entitlement to workers’ compensation and the benefits available; the law governing the operation of trade unions and the rights of members; settlement of industrial disputes in the Commonwealth and state spheres by conciliation and arbitration; enterprise bargaining; industrial action.
Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LX32, LX33
Credit Points: 8  Contact Hours: 2 per week

LWB309 SUCCESSION
Intestate and testate succession; definitions; joint and mutual wills; formal requirements for execution of valid will; alteration, revocation and revival of wills; administration of assets; duties, powers, rights and liabilities of personal representatives; family maintenance provisions; power of court to vary a will.
Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LX31, LX32, LX33
Credit Points: 8  Contact Hours: 2 per week

LWB312 LAND CONTRACTS
The principles involved in the construction of contracts for the sale of land, with special emphasis on the current standard REIQ Contract in use in Queensland. Statutory requirements as they affect such contracts, including those relating to building units and group titles conveyancing.
Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LX31, LX32, LX33
Prerequisites: LWB132, LWB233, LWB234
Credit Points: 12  Contact Hours: 3 per week

LWB313 DISCRIMINATION/EQUAL OPPORTUNITY LAW
An examination of the law and policy with respect to discrimination and equal opportunity in Australia; relevant international treaties and Australian legislation such as the Queensland Anti-Discrimination Act; the Anti-Discrimination Commission and procedures.
Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LX31, LX32, LX33
Credit Points: 12  Contact Hours: 3 per week

LWB315 JESSUP INTERNATIONAL LAW MOOT
The Philip C. Jessup International Law Moot, run under the auspices of the American Society of International Law, is the premier mooting competition in any area of the law in the world attracting participants from every major jurisdiction. The competition requires the ability to research, analyse, apply and communicate (both orally and in written form) legal argument with respect to a complicated problem in Public International Law. Members of the QUT team will participate in the joint preparation of two memorials (one for the applicant and one for the respondent) satisfying the requirements of the Official Rules of the competition, with respect to the contents of and issues raised by the problem for the given year. Some or all of the team members will then present oral arguments in the Australian rounds of the Jessup Moot competition, and at the international rounds in the United States if the team wins the Australian round.
Courses: IF31, IF33, IF34, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LX31, LX32, LX33
Credit Points: 8  Contact Hours: As needed in December, January and February.

LWB331 ADMINISTRATIVE LAW
The law relating to judicial review of executive decision making and control of government officials and public authorities, especially where the exercise of power affects the rights and interests of individuals.
Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LX31, LX32, LX33
Prerequisites: LWB231
Credit Points: 12  Contact Hours: 3 per week  Incompatible with: LWB311

LWB332 PROPERTY 2
Fundamental concepts of personal property law; the concept of negotiability; transfers of personal property; protection of personal property interests; agency; bailment; sale of goods.
Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LX31, LX32, LX33
Prerequisites: LWB233
Credit Points: 12
Corequisites: LWB233
Incompatible with: LWB303

LWB333 THEORIES OF LAW
The legal theories of industrialised society; historical contexts; underlying values and assumptions; economic, political and
Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LX31, LX32, LX33

Prerequisites: LWB305

LWB334 CORPORATE LAW

The basic legal principles relating to registered companies; the principle of the veil of incorporation, internal functioning of a registered company including the memorandum and articles of association; dealings with third parties; legal rules relating to share capital, dividends and loan capital; introduction to obligations of company officers and shareholder rights. Further specialised units such as Law of Corporate Governance will be offered for students who have completed Corporate Law and wish to concentrate some of their studies in the corporations and commercial area.

Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LX31, LX32, LX33

Credit Points: 12

Contact Hours: 3 per week

Incompatible with: LWB401

LWB351 ABORIGINAL & ISLANDER LEGAL ISSUES

Government policy and legislation; rights of citizenship; two laws, one land; Aboriginal land tenure; Mabo; the Native Title Act (Cth); international law and indigenous people; cultural heritage; intellectual property rights; ATSIC Act (Cth); social justice package.

Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LX31, LX32, LX33

Credit Points: 8

Contact Hours: 2 per week

LWB353 SELECT ISSUES IN LAW & GOVERNMENT

Provides students with a forum to apply their knowledge of fundamental principles of judicial review and legal control of government (acquired in the core units LWB231 and LWB331) to particular areas, such as government business enterprise. The unit also deals with areas not covered in the core units, such as government liability in tort and contract, privacy and whistleblower protection.

Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LX31, LX32, LX33

Credit Points: 8

Contact Hours: 2 per week

LWB354 ADVANCED CIVIL PROCEDURE

This elective unit builds on Civil Procedure (LWB431) providing advanced litigation skills focusing on interlocutory and summary procedures. Content includes file management, affidavits, commercial causes, interrogatories and conducting personal injuries litigation – Motor Accident Insurance Act, Workers Compensation Act.

Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LX31, LX32, LX33

Credit Points: 8

Contact Hours: 2 per week

LWB356 ADVOCACY

Advocacy is the art of persuasion in Court and before Tribunals. This unit concentrates on developing the fundamental skills of a good advocate, namely analysis, preparation and performance.

Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LW41, LX32, LX33

Credit Points: 8

Contact Hours: 2 per week

LWB359 ADVANCED TAXATION LAW

An examination of the taxation of business entities (partnerships, trusts and companies). Some tax planning issues together with the tax avoidance provisions will also be canvassed.

Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LX32, LX33

Prerequisites: LWB364

Credit Points: 8

Contact Hours: 2 per week

LWB361 DRAFTING

Drafting of deeds, contract conditions, leases, guarantees, options and mortgage clauses in a plain English format. Stamp duties on instruments.

Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LX31, LX32, LX33

Prerequisites: LWB233

Credit Points: 8

Contact Hours: 2 per week

Incompatible with: LWB414

LWB363 INSURANCE LAW

Risk management, in particular insurance, will play an increasingly significant role in modern commercial life. Insurance however is not limited to the commercial sphere but spans a wide variety of subject matter, including compulsory schemes such as third party motor vehicle insurance and workers’ compensation. From a vocational perspective the study of insurance law is important, being encountered by property, commercial and litigation lawyers. From an educational perspective, the unit offers an appreciation of how the common law has been modified by the legislature to balance the interests of the insurer and the insured.

Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LX31, LX32, LX33

Credit Points: 8

Contact Hours: 2 per week

Incompatible with: LWB403

LWB366 LAW OF COMMERCIAL ENTITIES

The legal principles pertaining to a number of different structures found in commercial life. A brief consideration of corporations; more detailed examination of partnerships, unit trusts, joint ventures, the definition of these structures; relationships with third parties; relationship of members inter se. This unit will have the greatest utility if completed before or in conjunction with Corporate Law (LWB334).

Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LX31, LX32, LX33

Credit Points: 8

Contact Hours: 3 per week

Incompatible with: LWB403

LWB367 LAW OF CORPORATE GOVERNANCE

This unit is offered as a ‘specialised’ unit providing an examination of the two organs which govern a company: the board of directors and the company in general meeting. The unit will examine in some detail particular aspects of the law applicable to these bodies, for example some of the duties affecting directors; topical issues such as directors’ interests in contracts would be relevant; the role of waiver of breaches and improprieties; members’ rights and protection; relevant aspects of meeting law.

Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF32, IF40, IF41, LW31, LX33, IF31, LW31, ME36, LX31, LX32

Credit Points: 8

Contact Hours: 2 per week

LWB406 FUNDAMENTALS OF PUBLIC INTERNATIONAL LAW

The legal rules which govern the activities of nations between themselves and with international organisations, such as the UN; the creation of international law: treaties, customary law, general principles of law; the concept of international legal personality: statehood, self-determination, recognition; the effects of international law: sovereignty, international responsibility, the law of armed conflict.

Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41, LW31, LW33, LX31, LX32, LX33

Credit Points: 8

Contact Hours: 2 per week

LWB407 PRIVATE INTERNATIONAL LAW

The body of law governing the resolution of private legal prob-
lems with a significant foreign element; jurisdiction of domes-
tic courts to determine matters having a foreign element; en-
forcement of foreign judgments in the domestic jurisdic-
tion; choice of law for the resolution of the dispute, both gen-
eral and in relation to family law, contract, tort, property and
succession.

Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41,
LW31, LW33, LX31, LX32, LX33
Credit Points: 12
Contact Hours: 3 per week

LWB4010 RESTRICTIVE TRADE PRACTICES
An overview of the anti-competitive practices which are pro-
scribed by Part IV of the Trade Practices Act 1974 (Cth). It
will also deal with the remedies available for contraventions
of Part IV and the possibility of obtaining authorisation and/or
where appropriate notification from the Australian Com-
petition and Consumer Commission. The access provisions
of Part III A will also be considered.

Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41,
LW31, LW33, LX31, LX32, LX33
Credit Points: 12
Contact Hours: 3 per week

LWB412 RESEARCH & WRITING PROJECT
A supervised piece of research on a legal topic, and the writ-
ing of a paper between 8000 and 10 000 words on that topic.
The paper may be placed in the Library. A student wishing
to undertake the Research and Writing Project should dis-
cuss the proposal as early as possible in the semester immedi-
ately before that in which he or she proposes to undertake it,
preferably with the proposed supervisor of the student’s own
choosing. The written proposal must be approved by the pro-
posed supervisor and must reach the Director (Research in
Programs), Associate Professor Bryan Horrigan at least two
weeks before the beginning of the teaching semester in which
the project is undertaken so that the student can be noti-
fied of the acceptance or refusal of the proposal not later than
the first day of that semester. Students are welcome to discuss the
proposed topics, proposed supervisors, and any other guide-
lines concerning the project with the Director (Research in
Programs). This project offers an ideal opportunity for stu-
dents to prepare topics of academic or career-related interest,
and to produce an item of writing which might assist in Schol-
arship, postgraduate and career-related applications.

Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41,
LW31, LW33, LW41, LX32, LX33
Credit Points: 8
Contact Hours: 2 per week

LWB431 CIVIL PROCEDURE
This core unit focuses on developing basic litigation skills.
The following issues are examined: the structures and pro-
cesses of litigation conducted in the Supreme Court; jurisdic-
tion, limitation of actions, client care, originating process,
appearance, service, parties, joinder, pleadings, evidence, sub-
poena, settlement, trial, appeal, costs and enforcement.

Courses: IF31, IF33, IF34, IF35, IF36, IF38, IF40, IF41,
LW31, LW33, LW41, LX31, LX32, LX33
Credit Points: 12
Incompatible with: LWB404

LWB432 EVIDENCE
The law of Evidence concerns those rules and principles which
govern the presentation and proof of facts and information in
court proceedings, both civil and criminal. The rules and prin-
ciples that relate to the presentation of facts to a court of law.

Courses: IF31, IF33, IF34, IF35, IF36, IF37, IF38, IF40, IF41,
LW31, LW33, LW41, LX31, LX32, LX33
Credit Points: 12
Incompatible with: LWB402

LWB433 PROFESSIONAL RESPONSIBILITY
The ethical principles upon which the practice of all profes-
sions is based; the principles which underpin the discipline of
law and the workings of the legal profession; the history, na-
ture, organisation and operation of the legal profession; in-
cluding codes of conduct, trust accounts and professional le-
gal ethics.
give rise to a claim for restitution. It also develops a knowledge and understanding of the choice and range of private law remedies and defences and the capacity to make sound judgments in electing which remedies to pursue against a background of heterogenous fact situations.

Credit Points: 24
Contact Hours: 2 per week
Prerequisites: LWB131, LWB133, LWN017

LWB493 LAW & CUSTOMS OF PARLIAMENT & CABINET
An advanced Constitutional law unit covering topics relating to the law and conventions of Parliamentary government that are not dealt with in compulsory units. Includes law of electoral distributions; eligibility for election, and elections; Parliamentary powers, privileges and procedures; the conventions of Cabinet government; claims to confidentiality of Cabinet proceedings; and law relating to audit of government expenditure.

Credit Points: 8
Contact Hours: 2 per week
Prerequisites: LWB231 and LWB235

LWB494 PRINCIPLES OF SENTENCING
This unit seeks to examine in detail the principles underlying the sentencing of offenders, firstly by examining the theories of punishment and how they are employed in practice (for example, under the Penalties and Sentences Act 1992 (Qld)); and secondly, by looking at particular issues in sentencing, for example, sentencing different classes of offenders.

Credit Points: 8
Contact Hours: 2 per week
Prerequisites: LWB232 or JSB022 and JSB024

LWN003 ADVANCED FAMILY LAW
A detailed examination of the law, policy and underlying principles of selected areas of Family Law including: jurisdiction; financial aspects of marriage and divorce; children; marital and non-marital relationships. Where appropriate, comparisons with other countries are used and the impact of treaties is considered.

Credit Points: 24
Contact Hours: 2 per week

LWN008 COMMERCIAL LEASES
The principles governing standard clauses of a modern Australian commercial lease in the light of recent case law and Queensland statutory provisions affecting such interests. Topics include: negotiation of leases, subject matter of leases, construction of leases, covenants for repair, user, assignment, quiet possession, options to renew and purchase, insurance, the phenomenon of default, remedies of lessor and lessee, guarantees of leases and retail shop leases generally.

Credit Points: 24
Contact Hours: 2 per week

LWN017 RESTITUTION 1
The law of restitution is concerned with those cases where a plaintiff obtains a money remedy and/or recovers property from a defendant who has been unjustly enriched by the receipt of money or other benefits at the expense of the plaintiff. The theoretical basis and scope of restitutionary claims and defences to them and their relationship with those claims founded on the traditional common law obligations, torts and contract and the law of property are considered.

Credit Points: 12
Contact Hours: 2 per week

LWN018 SELECT PROBLEMS OF TRUSTS
Aspects of the principles of equity in the context of express, resulting and constructive trusts including the creation of trusts, the nature of equitable proprietary interests, proprietary remedies for the recovery of property in equity including equitable charges and liens and various aspects of tracing in equity, particularly in the context of bankruptcy and insolvency. Some aspects of resulting trusts are considered in relation to illegality and in relation to determining the ownership of property. Various aspects of constructive trusts are also considered, including the nature of the constructive trust, the acquisition of property by a fiduciary, the acquisition of property on death, the acquisition of land under an oral agreement or trust, unconscionable conduct in the context of undue influence, unconscientious dealing, estoppel and in the context of determining the equitable ownership of property.
Students are expected to be involved in a number of class work-shops to learn mediation skills; therefore an attendance rate of 80 per cent (i.e. 11 out of 14 classes) is necessary to gain a mark in the unit. Issues include: mediation in Australia; theories of mediators; different forms of mediation, i.e. neighbourhood, family, commercial; the advantages and disadvantages of mediation; power imbalance; when mediation is not appropriate; ethical and professional issues relating to mediation.

**Courses:** LWN050, LWN51
**Credit Points:** 12
**Contact Hours:** 2 per week

**LWN020 NON-RESIDENT & FOREIGN SOURCE TAXATION**
Questions relating to residence, source, transfer pricing and the legislation relating to Controlled Foreign Entities; the effect of Double Tax Treaties.

**Courses:** LWN050, LWN51
**Credit Points:** 12
**Contact Hours:** 2 per week

**LWN021 BANKING & FINANCE LAW 1**
Topics include: overview of the legal framework of the Australian banking and finance industry; ‘money’ and ‘legal tender’; foreign exchange transactions; banker and customer and incidents of that relationship; bank accounts and dealings in relation to such accounts; bills of exchange, promissory notes and cheques; collecting bank and paying bank; the clearing system.

**Courses:** LWN050, LWN51
**Credit Points:** 12
**Contact Hours:** 2 per week

**LWN022 BANKING & FINANCE LAW 2**
Topics include: banking instruments including documentary and standby credits, performance bonds and bank guarantees; electronic banking; the role of bankers as financiers and specific financing methods such as bill line facilities and foreign currency loans; securities for finance including company securities; default and insolvency and its impact on bankers.

**Courses:** LWN050, LWN51
**Credit Points:** 12
**Contact Hours:** 2 per week

**LWN024 SELECT PROBLEMS OF TRIBUNALS & ENQUIRIES**
Investigation of problems that occur in the law relating to the activities of tribunals and enquires; concentrates on Royal Commissions and related forms of enquires, as well as statutory tribunals exercising quasi-judicial functions. Topics include: the power to require information; the privilege against self-incrimination; Crown privilege and duties of secrecy; do the rules of procedural fairness apply?; can an enquiry commit a contempt of court?; enquiries and the rules of parliamentary privilege; the power of the courts to review the activities of enquiries; enquiries that investigate a mixture of federal and state matters; the laws of privacy and confidentiality. Legislative attempts to oust judicial review of inquiries and tribunals.

**Courses:** LWN050, LWN51
**Credit Points:** 12
**Contact Hours:** 2 per week

**LWN025 RESEARCH PROJECT 1A**
A supervised research project over one semester approved by the Postgraduate Studies Committee. Students may undertake up to 48 credit points of Research Projects only with the approval of the Director of Postgraduate Studies.

**Courses:** LWN050, LWN51
**Credit Points:** 12
**Contact Hours:** 2 per week

**LWN026 RESEARCH PROJECT 2A**
A supervised research project over the whole year approved by the Postgraduate Studies Committee. Students may undertake up to 48 credit points of Research Projects only with the approval of the Director of Postgraduate Studies.

**Courses:** LWN050, LWN51
**Credit Points:** 12
**Contact Hours:** 2 per week

**LWN028 ADVANCED SECURITIES**
Competing claims to fixtures on land; the nature of a charge and a mortgage; security over back accounts; the mortgagee’s power of sale; guarantees and indemnities; fixed and floating securities; some problems arising from receivables and mortgagees in possession; securities and the Trade Practices Act; bank guarantees and unconditional performance bonds; romalpa clauses; co-ownership and security interests; negative pledges; securities over future property; the nature of various security interests; and the giving of formal opinions in relation to security documentation.

**Courses:** LWN050, LWN51
**Credit Points:** 12
**Contact Hours:** 2 per week

**LWN030 DISPUTE RESOLUTION/MEDIATION**
A study of mediation looking at both the theory and practice. Students are expected to be involved in a number of class work-shops to learn mediation skills; therefore an attendance rate of 80 per cent (i.e. 11 out of 14 classes) is necessary to gain a mark in the unit. Issues include: mediation in Australia; theories of mediators; different forms of mediation, i.e. neighbourhood, family, commercial; the advantages and disadvantages of mediation; power imbalance; when mediation is not appropriate; ethical and professional issues relating to mediation.

**Courses:** LWN050, LWN51
**Credit Points:** 12
**Contact Hours:** 2 per week

**LWN031 FOREIGN INVESTMENT LAW & PRACTICE**
The law and policy regime for Australian foreign investment at Commonwealth and state levels; theoretical and practical aspects of foreign investment regulation; workshops and seminars covering Commonwealth and state legislation, situations commonly arising in practice, and topics related to foreign investment (e.g. native title, government contracts, etc.).

**Courses:** LWN050, LWN51
**Credit Points:** 12
**Contact Hours:** 2 per week

**LWN032 CREDIT FOR UQ SUBJECT 1**
Under the course rules, a coursework student may, with the prior approval of the Deans of the Faculties of Law of QUT and of the University of Queensland, undertake any combination of whole year and one semester units offered in the LLM degree by Coursework at the University of Queensland which are equivalent to no more than 48 credit points. This unit code represents a one-semester unit taken pursuant to that course rule at the University of Queensland.

**Courses:** LWN050, LWN51
**Credit Points:** 12
**Contact Hours:** 2 per week

**LWN033 CREDIT FOR UQ SUBJECT 2**
See LWN032.

**Courses:** LWN050, LWN51
**Credit Points:** 12

**LWN034 CREDIT FOR UQ SUBJECT 3**
See LWN032.

**Courses:** LWN050, LWN51
**Credit Points:** 24

**LWN035 MEDICO-LEGAL ISSUES**
The Constitutional framework supporting the regulation of health care; the relationship between the individual and the health-care provider in terms of consent to treatment and negligence; the impact of the criminal law, abortion, removal from life support systems; medical records and expert evidence; ownership and confidentiality of records; the role of the coroner; complaints against health-care workers.

**Courses:** LWN050, LWN51
**Credit Points:** 12
**Contact Hours:** 2 per week

**LWN036 SELECT ISSUES IN INTELLECTUAL PROPERTY LAW**
The application of intellectual property law to common commercial arrangements; develops an awareness of emerging issues in intellectual property including application to computers, performers’ rights and moral rights; examines the remedies, procedures and processes in this field.

**Courses:** LWN050, LWN51
**Credit Points:** 12
**Contact Hours:** 2 per week

**LWN037 STAMP DUTY & COMMERCIAL TRANSACTIONS**
Whilst stamp duty remains a tax on instruments, amendments to the Stamp Act have had the result that it is essentially a transactional impost. On completion, students have a sound understanding of the scope of the Act and of the circumstances in which commercial transactions attract a liability to duty. Topics include: territorial nexus; stamp duty administration; transactions concerning companies; transactions concerning trusts; partnership transactions; planning and structuring issues; anti-avoidance provisions.

**Courses:** LWN050, LWN51
**Credit Points:** 12
**Contact Hours:** 2 per week

**LWN038 CAPITAL GAINS TAX & COMMERCIAL TRANSACTIONS**
The capital gains tax provisions contained in Part IIIA of the Income Tax Assessment Act have the potential to apply to in-
A detailed study of town planning law with special emphasis on the following: relevant Queensland legislation and in particular the Local Government Planning & Environment Act 1990 and the impact of the planning, environmental and development assessment. The implementation, structure and operation of town planning schemes, Strategic Plans and their application is emphasised.

Courses: LW50, LW51
Credit Points: 12

LWN048 ADVANCED LEGAL RESEARCH
The concepts, techniques, aims and methods of legal research and other research relevant to an interdisciplinary perspective. Extensive training in finding source material, including the use of advanced technology in locating and organising source materials. The unit also deals at length with the presentation and defence of research including the respective roles of researcher and supervisor, structuring research material in support of a thesis, the diagnosis and remedy of structural problems. It also deals with the conventions of presentation, ‘assessment’ of research in terms of the differing criteria for refereeing and judging ‘worth’ and quality and ethics of research. Different research objectives will be considered for attention, for example research in government or for law reform.

Courses: LW50, LW51
Credit Points: 12

LWN049 INTERNATIONAL ENVIRONMENTAL LAW
The development of international environmental law; state responsibility for environmental protection; conservation of biological diversity; climate changes; protection of the atmosphere; protection of wildlife and habitats; hazardous wastes and toxic chemicals; conservation of the world heritage; international trade and the environment; international dispute resolution; enforceability of international legal regimes.

Courses: LW50, LW51
Credit Points: 12

LWN050 RESTRICTIVE TRADE PRACTICES LAW
The unit is concerned with an analysis of those sections of the Trade Practices Act dealing with horizontal and vertical restraints of competition, misuse of market power, and mergers. These substantive prohibitions are intended to regulate competition in markets. The early part of the course focuses on basic concepts such as markets, competition, and market power. The main part of the course is concerned with analysing the elements of each of the substantive prohibitions contained in Part IV of the Act and the way in which they may apply to various agreements and business practices. After considering the substantive prohibitions, the final part of the unit is concerned with remedies and defences and the role played by the Australian Competition and Consumer Commission, the Tribunal and the courts.

Courses: LW50 , LW51
Credit Points: 12

LWN051 CONSUMER PROTECTION & PRODUCT LIABILITY
This unit is divided into two main parts. The first part considers the statutory and common law actions which are available
to protect consumers from misleading or deceptive conduct and unfair marketing practices. Emphasis is given to the role played by the Trade Practices Act in relation to conveyancing and land transactions, banking transactions and advertising. Unconscionable conduct is also considered. The second part of the unit is concerned with statutory and common law actions available when loss or damage is suffered as a result of defective products. Remedies and defences are considered throughout the course.

Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN052 LITIGATION – CIVIL PROCEDURE
Focus upon topics of current interest or difficulty in civil procedure. Supreme and Federal Court rules and practice directions are considered in the light of the theories of civil procedure and tactics involved in dispute resolution. Some principles of negotiation and alternative dispute resolution are also addressed. Participants will acquire an appreciation of the dynamics of the adversarial process and an understanding of selected principles of interlocutory disputes in the light of the tactics involved in an action as a whole. Offers an opportunity for students to deepen and broaden their legal education in a way related directly to professional practice.

Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN053 RESEARCH PROJECT 1B
See LWN025.
Courses: LW50, LW51
Prerequisites: LWN025
Credit Points: 12

LWN054 CONTEMPORARY COMMERCIAL LEGAL ISSUES
This unit examines the law and practice of contemporary commercial legal issues. Topics covered include: governmental trade practices liability, native title implications for financiers and landholders, third party securities (corporate and personal guarantees and mortgages), Australian foreign investment regulation, civil and criminal liability of directors and corporate advisers, corporate risk management programs, transactions and securities affecting personal property, international sale of goods contracts, fundraising and capital markets, internationalisation of Australian commercial law, civil and criminal liability of the crown and crown employees, client-based research in commercial practice, and paradigm shifts in Australian law and their impact on commercial practice.

Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN055 CIVIL RIGHTS
The central principles concerning the protection of human rights and the impact of international human rights law on domestic law. Other jurisdictions are compared with the relevant areas of Australian law and practice.

Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN056 RESEARCH PROJECT 1C
See LWN025.
Courses: LW50, LW51
Prerequisites: LWN025, LWN053
Credit Points: 12
Contact Hours: 2 per week

LWN057 RESEARCH PROJECT 1D
See LWN025.
Courses: LW50, LW51
Prerequisites: LWN025, LWN053, LWN056
Credit Points: 12
Contact Hours: 2 per week

LWN058 RESEARCH PROJECT 2B
See LWN026.
Courses: LW50, LW51
Prerequisites: LWN026
Credit Points: 24

LWN059 REMEDIES
The theoretical bases of major common law and equitable remedies and the substantive law relating to those remedies; the operation of the law of remedies in Australia and the need for reform of the law of remedies.

Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN060 ENVIRONMENTAL LEGAL SYSTEM
Analysis of the principles and concepts of environmental law in Queensland; understanding of the law in Queensland for the protection and conservation of the environment; examination of the way in which the law accommodates private interests and the public interest. Included are pollution control, environmental impact assessment, environmental management, conservation of the natural and cultural environments.

Courses: IF64, LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN061 NATURAL RESOURCES LAW
The principles and concepts of natural resources law in Queensland dealing with the ownership and control of natural resources, providing access to these resources, controlling the operational side of the development of these resources, and recognising commercial structures for achieving these operational objectives; an assessment of a number of developed and evolving mechanisms for achieving these objectives such as policy objectives, management plans, incentives and inducements, market instruments and property rights.

Courses: IF64, LW50, LW51
Credit Points: 12
Contact Hours: 2 per week
Incompatible with: LWN014, LWN027

LWN062 FEDERAL ENVIRONMENTAL LAW
History of Commonwealth involvement in environmental management; the Inter-Governmental Agreement of 1992; relevant paragraphs of ss. 51 of the Constitution; judicial interpretation of the paragraphs; impact of ss 90, 92 and 109 of the Constitution; federal legislation dealing with offshore development, marine environment protection, environmental impact assessment, national estate, wildlife conservation, Great Barrier Reef, hazardous waste and industrial chemicals, world heritage, ozone protection, ecologically sustainable development, climate changes, and biological diversity.

Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN063 COMPARATIVE ENVIRONMENTAL LAW
The principles of environmental regulation in other jurisdictions and the range of policy and legal instruments being utilised to achieve environmental objectives; jurisdictions include European countries, such as Germany and the United Kingdom, the European Union, and countries in North America and the Asia Pacific region.

Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN064 THEORIES OF CONTEMPORARY LEGAL CRITIQUE
The influence upon legal, political and institutional reform of contemporary legal critiques, especially of race, gender, culture/ethnicity and class.

Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN065 CONSTRUCTION & ENGINEERING LAW
Standard contracts used in the Australian construction and engineering industries and the legal issues confronting users of these documents; the law of contract and legislation as it applies to the construction and engineering industries at an advanced level; issues of drafting in relation to the relevant standard forms.

Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

LWN066 ADVANCED INSURANCE LAW
Detailed examination at an advanced level of the general principles of law applicable to contracts of insurance as well as an examination of the idiosyncratic rules and practices pertaining to specific types of insurance. Topics include: Nature and definition of insurance; insurable interest; third parties’ inter-
ests; utmost good faith; brokers and agents; formation of contracts, proposals, etc.; contract terms; claims; indemnity and amount recoverable; subrogation; double insurance and contribution; regulation of insurers; marine insurance; workers’ compensation; compulsory third party insurance; superannuation/re-insurance contracts.

**Courses:** LW50, LW51

**Credit Points:** 24  
**Contact Hours:** 2 per week

- **LWN070 CREDIT FOR UQ SUBJECT 4**
  - See LWN032.
  - **Courses:** LW50, LW51  
  - **Credit Points:** 12

- **LWN071 CREDIT FOR UQ SUBJECT 5**
  - See LWN032.
  - **Courses:** LW50, LW51  
  - **Credit Points:** 12

- **LWN072 CREDIT FOR UQ SUBJECT 6**
  - See LWN034.
  - **Courses:** LW50, LW51  
  - **Credit Points:** 24

- **LWN075 INTERNATIONAL COMMERCIAL TRANSACTIONS**
  This unit on international trade law addresses the legal problems that arise in the formation and operation of commercial transactions of an international nature. Its scope is largely confined to the sphere of private law. Topics covered include: sources of, and modern developments in, international trade law; harmonisation and unification of law; international contracts (characteristics, negotiating and drafting, choice of law); international sale of goods (trade terms, standard conditions, uniform law); carriage of goods by sea; payment in a documentary sale, and other financing mechanisms; marketing arrangements (agency, distributorship, subsidiary, joint venture).
  - **Courses:** LW50, LW51  
  - **Credit Points:** 12  
  - **Contact Hours:** 2 per week  
  - **Incompatible with:** LWN023

- **LWN076 INTERNATIONAL COMMERCIAL DISPUTES**
  Legal issues regarding the resolution of commercial disputes in international trade. Mainly concerned with disputes in respect of international commercial relationships of a private law nature. Dispute resolution mechanisms (such as litigation, arbitration and alternative dispute resolution) are examined, and their effectiveness evaluated, in the light of the legal and practical realities in the international trade environment. Students are introduced to a range of commercial practices, national regulation, and international uniform rules, model laws and conventions.
  - **Courses:** LW50, LW51  
  - **Credit Points:** 12  
  - **Contact Hours:** 2 per week  
  - **Incompatible with:** LWN023

- **LWN077 LITIGATION – EVIDENCE**
  This unit is focused on topics of current interest or difficulty in evidence and advocacy in civil trials. Rules of admissibility in Queensland and federal courts are considered, as well as issues of trial and appellate advocacy. Participants will acquire an appreciation of the dynamics of the adversarial process, understanding of selected principles of admissibility and knowledge of key forensic skills such as examination and cross-examination of witnesses. This unit offers an opportunity for students to deepen and broaden their legal education in a way related directly to their professional needs.
  - **Courses:** LW50, LW51  
  - **Credit Points:** 12  
  - **Contact Hours:** 2 per week  
  - **Incompatible with:** LWN052 pre 1995

- **LWN078 ADVANCED CRIMINAL EVIDENCE & PROCEDURE**
  This unit addresses selected topics in three core areas: (a) the rules of evidence and procedure in Queensland criminal courts as set out under the common law, the Evidence Act 1977 (Qld), the Criminal Code and related legislation; (b) the rules of evidence and procedure in criminal cases in the Federal Court as set out in the Evidence Act 1995 (Cth); and (c) the rules of evidence and procedure in the criminal courts of New South Wales as set out in the Evidence Act 1994 (NSW). Topics in all areas consider both empirical rules and contemporary issues which present interest or difficulty. The unit also considers issues related to extradition, arrest, the function of the coroner, the committal process, bail and the role of the Queensland Criminal Justice Commission.
  - **Courses:** LW50, LW51  
  - **Credit Points:** 12  
  - **Contact Hours:** 2 per week

- **LWN079 JOINT VENTURES**
  This unit examines certain major aspects of this subject including the nature and structure of joint ventures, negotiating and financing of joint ventures, foreign investment, taxation implications of joint ventures, government joint ventures, trade practices and intellectual property rights in joint ventures and dispute resolution between joint venture partners.
  - **Courses:** LW50, LW51  
  - **Credit Points:** 12  
  - **Contact Hours:** 2 per week

- **LWN080 SELECT ISSUES IN THE LAW OF OBLIGATIONS**
  This unit examines the phenomena which have led to the creation and assumption of legal obligations; the historical, socio-economic and political considerations underpinning the traditional categorisations; and the interrelationship, and at times tension, between the traditional categorisations. In so doing the unit highlights those areas of categorisation which have received judicial reconsideration and those areas which may, or may not, in the foreseeable future receive a similar reconsideration. This unit explores the nature, creation, dealing and extinguishment of obligations in private law. This unit is designed to deepen the lawyer’s knowledge of private law obligations and to broaden thinking about traditional legal categories.
  - **Courses:** LW50, LW51  
  - **Credit Points:** 12  
  - **Contact Hours:** 2 per week

- **LWN081 RESTITUTION II**
  This unit will continue the examination of the theoretical basis of restitutionary claims and defences which were defined in LWN017 Restitution I. Students will comprehensively examine the substantive law relating to certain restitutionary claims and defences as well as considering the scope and operation of the law of restitution in contemporary Australia and its relationship with torts, contract, equity and property. Topics covered include: legal compulsion, necessity, illegality, subrogation, tracing and restitutionary proprietary claims, restitution for wrongs, defences, and conflict of laws.
  - **Courses:** LW50, LW51  
  - **Prerequisites:** LWN017  
  - **Credit Points:** 12  
  - **Contact Hours:** 2 per week  
  - **Incompatible with:** Students who have studied both LWN059 and LWN017 pre-1996 are precluded from undertaking this unit

- **LWN082 INTELLECTUAL PROPERTY: LITIGATION**
  Topics covered include: the role of intellectual property litigation in protection of intellectual property rights; the overlap between intellectual property rights and consumer protection; jurisdiction of the courts under the Copyright Act, the Patents Act, the Trade Marks Act, the Registered Designs Act, the Circuit Layouts Act and the Plant Varieties Act, and the general law; the role of international conventions and arrangements in intellectual property litigation; parties to intellectual property litigation; appeals from administrative officers under the various Acts and from single judges; the particular requirements of Order 58 of the Federal Court Rules as they apply to intellectual property litigation; groundless threats; pre-emptive remedies; interlocutory remedies and steps; limitation periods; the use of the petty patent system and opposition proceedings as a tactic in patent litigation; cross-claims; trials; final relief; exclusive rights v. anti-competitive conduct.
  - **Courses:** LW50, LW51  
  - **Credit Points:** 12  
  - **Contact Hours:** 2 per week

- **LWN083 ESTATE PLANNING**
  This unit considers estate planning from three perspectives:
estate growth/wealth creation, estate protection from exigen-
cies such as death, disablement and bankruptcy and estate
distribution, either inter vivos or on death. Strategies em-
ployed and issues to be considered within each of these ele-
ments will be covered and the inter-relationship between each
element will also be highlighted.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

■ LWN084 INTERNATIONAL MARINE POLLUTION LAW
The protection and preservation of the marine environment has
developed into an important aspect of marine law. Intern-
national conventions and agreements, combined with Com-
mmonwealth, state and territory legislation has resulted in a
complex matrix of laws and practice. The subject is not be-
ing given the prominence in law studies that it now merits.
The pollution of the sea is a major problem and a study of its
germs is beneficial towards addressing it.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

■ LWN085 INTERNATIONAL LAW OF THE SEA
International law of the sea has always been of importance
to island countries like Australia, but has taken an added
importance with Australia’s added maritime jurisdiction of
the 200 n.m. exclusive economic zone under the United
of this unit will be the development of the law of the sea
and a study of the current issues, with particular emphasis
on the Australian, Southeast Asian and Pacific Ocean ar-
eas.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

■ LWN086 SELECTED ISSUES IN PRACTISING LAW
The face of legal practice is changing constantly. Today there
are many influences upon the practice of law. This is a time
of assessing and reassessing the needs of the legal profes-
sion and of the client. Therefore it is timely to consider some
of these important and contemporary issues. This unit seeks
to address selected and topical aspects of practising law in
the wider context as well as day-to-day.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

■ LWN087 CONTEMPORARY ISSUES IN TORTS
Advanced level study of contemporary issues in torts ena-
bles a detailed consideration of selected matters at a time of
great change in this area of the law. The practical, theoreti-
cal and comparative analysis of the selected issues will ex-
tend understanding of this fundamental and significant part
of general legal practice and the inter-relationship with con-
tagious fields of legal principle.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

■ LWN088 GOVERNMENT LAW, POLICY & PRACTICE
This unit examines key aspects of the law and policy-mak-
ing process surrounding the development of legislation and
the operation of government, especially in Queensland. Top-
ics covered include: the internationalisation of Australian
law and policy making, civil and criminal liability of the
crown and crown employees, scrutiny of legislation (includ-
ing Queensland’s “fundamental legislative principles”),
grounds for challenging legislation, crown immunity, gov-
ernment contract-making, native title law and practice for
the public and private sectors, legal issues in government
accountability, the role and function of key bodies in the
executive and legislative arms of government, the govern-
mental policy making process and governmental trade prac-
tices liability.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

■ LWN089 CURRENT LEGAL PROBLEMS AFFECTING SPORTS
Sport and the law is a growing area of legal practice. The
inter-relationship of the sporting culture, commercialised ac-
tivities and a wide range of relevant legal areas provides a
unique mix for the study of many overlapping areas of law
and social policy. Topics covered include: liability of sports
organisations and participants for injury or damage; legisla-
tive and common law intrusion onto the sporting field; con-
struction, operation and maintenance of sports facilities; the
right to control and sanction sport participants; securing
sponsorship and endorsement rights; sports marketing and
the exploitation of the intellectual and personal property of
teams and athletes; industrial relations and sport; broadcast-
ing of sporting events; sports business and trade practices.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

■ LWN090 CORPORATE TAXATION
Along with Taxation of Non-Corporate Entities dealing with
partnerships and trusts, this one semester course considers
the taxation of entities in a domestic setting in Australia
(international issues are considered in Taxation of Interna-
tional Transactions). Corporate Taxation consists of a de-
tailed consideration of the income and capital gains tax treat-
ment of companies and shareholders in a context where com-
panies are taxed on a separate basis from their shareholders
but with an imputation system to reconcile in part the treat-
ment of the company and the shareholders, compared to en-
tities/owners which are currently taxed on a look through
and/or proxy basis.
Courses: LW50, LW51, LW60
Credit Points: 12
Contact Hours: 2 per week

■ LWN091 TAXATION OF NON-CORPORATE ENTITIES
Along with Corporate Taxation, this one semester course con-
siders the taxation of entities in a domestic setting in Aus-
tralia (international issues are considered in Taxation of Inter-
national Transactions). Taxation of Non-Corporate Entities
consists of a detailed consideration of the income and capital
gains tax treatment of partnerships and trusts in a context where
entities/owners are taxed on a look through and/or proxy ba-
sis compared to companies that are currently taxed on a sepa-
rate basis from their shareholders but with an imputation sys-
tem.
Courses: LW50, LW51, LW60
Credit Points: 12
Contact Hours: 2 per week

■ LWN092 AUSTRALIAN IMMIGRATION & CITIZENSHIP LAW
The legal rules which form the backbone of Australia’s immi-
gration regime continue to be of great importance commer-
cially, socially and politically. Immigration law is becoming
a specialist area, even more so since the introduction of the
Migration Agent Registration Scheme. Topics covered in this
course will include Australian citizenship; the immigration
regime and functions under the Migration Act 1958 and the
Migration Regulations, the role of Government Policies; per-
manent and temporary entry into Australia on family grounds,
on employment grounds, with independent and concessional
visas, relying on business skills, humanitarian entry; process-
ing and other issues common to visa classes; unlawful per-
sons; review of immigration and citizenship decisions; and
Migration Agents Registration Scheme.
Courses: LW50, LW51
Credit Points: 12
Contact Hours: 2 per week

■ LW100 HONOURS DISSERTATION
A dissertation by students enrolled in the Master of Laws by
Coursework who have obtained 96 credit points with a GPA of
6 or better. The dissertation is between 20 000 and 30 000
words in length.
Courses: LW50, LW51
Credit Points: 48

■ LWR002 THESIS
Courses: LW50
Credit Points: 48
integral calculus, the interpretation of data and the applications of integrals is dealt with as well as the organisation of government under the Australian Federal Constitution.

Course: IF64
Credit Points: 12
Contact Hours: 3 per week

■ MAA251 STATISTICS & DATA PROCESSING
A basic unit in statistics, including statistical terminology and organisation of data, elementary probability, binomial and normal distribution, standard statistical methods for analysing data, regression and correlation.

Courses: LS12, LS15, SC12
Credit Points: 8
Contact Hours: 3 per week

■ MAB102 BASIC MATHEMATICS
Algebra; factorising polynomials; index and logarithm laws; AP and GP; trigonometrical ratios; Pythagorean identities; graphs; sine rule and cosine rule; coordinate geometry; equations of lines and standard conics; introduction to differential calculus; curve sketching; Newton-Raphson method; elementary integration; definite and indefinite integrals; use of tables of integrals; Simpson’s rule.

Courses: ED50, IF34, SC30
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: A grade of Sound Achievement or higher in Senior Mathematics B (or equivalent)

■ MAB103 INTRODUCTORY ENGINEERING MATHEMATICS
Computational mathematics; algebra; circular functions, trigonometric functions; vector algebra: addition of vectors, unit vectors, scalar products; linear algebra: elementary matrix algebra, solution of linear equations; complex numbers: Cartesian form, addition, multiplication, modulus and argument, Argand diagram; differential calculus: elementary functions, definite and indefinite integration.

Courses: CE31, CE42, EE43, EE44, IF23, IF54, IF56, ME35, ME45, ME46, PS47
Credit Points: 8
Contact Hours: 3 per week

■ MAB151 QUANTITATIVE TECHNIQUES
A basic mathematics unit with emphasis on differential and integral calculus, the interpretation of data and the application of numerical techniques.

Courses: PH38, PH90
Credit Points: 4
Contact Hours: 2 per week

■ MAB172 STATISTICAL METHODS
Organisation and analysis of data; use of computer packages in data analysis; probability and probability distributions; sampling theory; estimation; testing of hypotheses; regression and correlation.

Courses: BS50, IT20
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EFB101, MAB237, MAB347

■ MAB173 QUANTITATIVE METHODS
Interest rates; solution of problems in compound interest; annuities; applications of annuities; capital redemption policies; valuation of securities; introduction to basic modelling techniques.

Courses: BS50, IF31
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MAB342

■ MAB177 MATHEMATICS FOR DATA COMMUNICATIONS
Provides the basic mathematical background required for the study of data communication; coding theory, cryptography and relevant probability.

Courses: IT20
Credit Points: 12
Contact Hours: 4 per week

■ MAB178 MATHEMATICS FOR TELECOMMUNICATIONS
Fundamentals of probability and random processes as required for the modelling and mathematical analysis of data communication networks; queuing models and their applications in the study of telecommunication networks.

Courses: IT20
Prerequisites: MAB177
Credit Points: 12
Contact Hours: 4 per week

■ MAB181 APPLIED MATHEMATICS FOR DESIGNERS 1
Applications of plane and solid geometry in design; revision of basic geometry; symmetry; construction and packing of solids; spherical geometry and its applications. Applications of trigonometry in design; revision of basic trigonometry; calculation of heights, distances, areas and volumes. Symmetric designs.

Courses: BN30
Credit Points: 6
Contact Hours: 3 per week

■ MAB185 INTRODUCTION TO STATISTICS
Data and its presentation, qualitative reporting of graphical presentations; distributions; properties and parameters, normal probability plots; sampling: correlated versus independent observations, mean and other statistics, normal case; confidence intervals for means/proportions and differences of means/proportions, pairing, tolerance limits, introduction to quality and SPC, variance; hypothesis testing, tests for means/proportions; basic concepts of experimentation, and ANOVA; introduction to regression.

Courses: CE31, ME35
Credit Points: 8
Contact Hours: 3 per week

■ MAB187 ENGINEERING MATHEMATICS 1A

Courses: CE31, CE42, EE43, EE44, IF23, IF54, IF56, ME45, ME46, ME85, PS47
Credit Points: 8
Contact Hours: 3 per week

■ MAB188 ENGINEERING MATHEMATICS 1B
Vector algebra: moments, forces, velocity, acceleration, polar

Courses: CE31, CE42, EE43, EE44, IF23, IF52, IF54, IF56, ME35, ME45, ME46, PS47
Prerequisites: MAB187
Credit Points: 8
Contact Hours: 3 per week

MAB200 MATHEMATICS
Algebra: trigonometry; complex numbers; matrices and vectors; permutations and combinations; finite differences; exponential, logarithmic and trigonometric functions; calculus; conic sections.

Courses: BS56, CH32, ED50, IF34, IF71, IT20, SC30
Prerequisites: Sound Achievement in Senior Mathematics B (or equivalent) or MAB102
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: Sound Achievement in Senior Mathematics C, MAB212

MAB237 STATISTICS
The collection, presentation and features of statistical data. How to investigate, model and analyse random variables and data and how to draw valid conclusions. Students study situations and real data, using computer packages where appropriate, and are introduced to estimation, hypothesis testing, regression and analysis of variance.

Courses: CH32, ED50, IF34, IF71, SC30
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: MAB347

MAB251 MATHEMATICS 1
Data handling: determinants and matrices; differentiation with applications; partial differentiation; integral calculus with applications; numerical methods.

Courses: OP42
Credit Points: 8
Contact Hours: 4 per week

MAB252 STATISTICS
Organisation and analysis of data; probability and probability distributions; sampling theory; estimation; tests of hypothesis; regression and correlation.

Courses: OP42
Prerequisites: MAB251
Credit Points: 4
Contact Hours: 2 per week

MAB258 EXPERIMENTAL DESIGN
Examination of experimental design and data analysis in optometry; topics include: goodness of fit tests and tests of independence using chi-square distribution; introduction to multiple regression; statistical quality control; analysis of variance, introduction to non-parametric methods.

Courses: OP42
Prerequisites: MAB252
Credit Points: 4
Contact Hours: 2 per week

MAB272 RESEARCH METHODS
Students in the information management and information systems fields should have knowledge of a variety of techniques associated with collecting and analysing data, be capable of critical interpretation of survey research and be able to use data reduction techniques themselves. In addition to an introduction to descriptive statistics and statistical inference, this unit introduces historical and theoretical approaches and compares rationalisation with experimentation.

Courses: IT20
Prerequisites: Completion of at least 60 credit points from the Information Management or Information Systems majors in IT20
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MAB172

MAB299 MATHEMATICS FOR TECHNOLOGISTS
Data handling and basic algebra, geometry and trigonometry. Introduction to statistics, organisation and analysis of data, probability and probability distribution; sampling theory; estimation; test of hypothesis; regression and correlation. Introduction to quantitative operation research methods applicable in solving economic and general business problems, including linear programming, transportation algorithm and decision trees.

Courses: CN41, CN43
Credit Points: 6
Prerequisites: First year unit
Contact Hours: 3 per week

MAB301 CALCULUS & ANALYSIS A
Levels of measurement and their relationship to particular operations with real numbers, accuracy and precision; basic algebraic, geometric and trigonometric results; introduction to the concepts of function, limits, continuity and monotonicity; elements of differential and integral calculus, associated theorems and analytical and numerical applications.

Courses: BS56, ED50, IF34, IF42, IF44, IF58, IF71, MA34, SC30
Prerequisites: At least Sound Achievement in Senior Mathematics C or MAB200 (which may be studied concurrently)
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: MAB212, MAB222

MAB303 ALGEBRA & ANALYSIS B
Set theory, relations and functions; introduction to difference equations; infinite series; complex numbers; linear equations; matrices and determinants; vector spaces; eigenvalues and eigenvectors.

Courses: ED50, IF34, IF42, IF44, IF58, IF71, MA34, SC30
Corequisites: MAB301
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: MAB212, MAB222

MAB304 CALCULUS & VECTOR ALGEBRA
First order and linear second order differential equations, simple applications; vector algebra; vector products; Euclidean spaces; vector calculus: space curves, line integrals; kinematics of a particle.

Courses: ED50, IF34, IF42, IF44, IF58, IF71, MA34, SC30
Prerequisites: MAB301
Credit Points: 12
Contact Hours: 4 per week

MAB321 COMPUTATIONAL MATHEMATICS 1
Sources of errors; computer arithmetic; computations with polynomials, standard functions, recurrence relations and series; computations with data, searching, sorting, sums and means; computations with arrays; use of calculators, computers, computer packages, programming languages and graphical/mathematical software.

Courses: ED50, IF34, IF42, IF44, IF58, IF71, MA34, SC30
Corequisites: MAB301 or MAB212
Credit Points: 12
Contact Hours: 4 per week

MAB342 MATHEMATICS OF FINANCE
Interest rates; solution of problems in compound interest; annuities; applications of annuities; capital redemption policies; valuation of securities; introduction to basic modelling techniques.

Courses: ED50, IF34, IF58, IF71, MA34, SC30
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: MAB173

MAB347 STATISTICS 1A
Collection and representation of data, parameters and statistics; modelling variation; sampling; sample mean and variance; statistical estimation and tests of hypotheses based on the normal, t, F and chi-square distributions; control charts; linear regression; introduction to experimental design and ANOVA.

Courses: ED50, IF34, IF42, IF44, IF58, IF71, IT20, MA34, SC30
Credit Points: 12
Contact Hours: 4 per week
Incompatible with: MAB237

MAB348 STATISTICS 1B
Probability; conditional probability; random variables and probability distributions; binomial, Poisson, exponential, uniform, normal; expected values and moments, sums and differences of random variables; q-q plots, correlation, applica-
Topics in geometry, recreational mathematics, and the history of mathematics, including fractals, iterative maps, map projections, Euclidean constructions, tesselations and mathematical puzzles.

**Courses:** ED50, IF34, IF71, SC30

**Prerequisites:** MAB222 or MAB301, MAB303

**Credit Points:** 12

**Contact Hours:** 4 per week

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**MAB445 ENGINEERING MATHEMATICS 2C**

Differential equations; Laplace transform methods; orthogonal functions; solution of systems of linear equations; vector analysis; functions of a complex variable; limits, continuity; exponential, circular, hyperbolic and logarithmic functions; Cauchy-Riemann equations; Fourier transforms.

**Courses:** EE44, IF23

**Prerequisites:** MAB187, MAB188

**Credit Points:** 8

**Contact Hours:** 3 per week

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**MAB486 ENGINEERING MATHEMATICS 2D**

Probability; events and sample spaces; independence; discrete random variables and probability functions; continuous random variables; mean, variance; examples of distributions. Partial differential equations; the simultaneous partial differential equations of Maxwell, the three-dimensional wave equation. Laurent’s theorem. Residue theory, application to complex integration.

**Courses:** EE44, IF23

**Prerequisites:** MAB485

**Credit Points:** 8

**Contact Hours:** 3 per week

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**MAB487 ENGINEERING MATHEMATICS 2A**

Solution of large scale systems of linear equations by direct and indirect methods; solution of second order differential equations with constant coefficients; numerical solution of differential equations; polynomial interpolation.

**Courses:** CE42, EE43, IF56, ME45, ME46

**Prerequisites:** MAB187, MAB188

**Credit Points:** 8

**Contact Hours:** 3 per week

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**MAB488 ENGINEERING MATHEMATICS 2B**

Quadrature, determination of eigenvalues and eigenvectors of large scale linear systems, power method, inverse iteration, acceleration techniques; interpolation by cubic splines; Fourier series and harmonic analysis; convergence of infinite series. Laplace transforms.

**Courses:** EE43, IF56, ME45, ME46

**Prerequisites:** MAB487

**Credit Points:** 8

**Contact Hours:** 3 per week

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**MAB494 SURVEY MATHEMATICS 1**

Spherical trigonometry; definition of sphere, circles on sphere and spherical triangles; columnar, antipodal and polar triangles; sine, cosine and half-angle formulae, Napier’s and Delembre’s analogies; solution of spherical triangles, spherical excess; area of spherical triangle; relation between plane and spherical trigonometry. Differential calculus; Taylor and Maclaurin series for functions of a single variable; extension to functions of several variables; maxima and minima with constraints, Lagrange multipliers; positional astronomy.

**Courses:** IF54, PS47

**Prerequisites:** MAB188

**Credit Points:** 6

**Contact Hours:** 3 per week

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**MAB496 SURVEY MATHEMATICS 2**

Linear algebra: systems of linear equations in two and three dimensions, the no solution, many solution and unique solution cases, geometric interpretation; extension of concepts to large scale systems, matrix formulation. Matrices: elementary matrix algebra, equality, addition, multiplication by a scalar, matrix products, inverse matrix, transpose matrix; types of matrix, elementary matrices, identity matrices, singular and non-singular matrices, symmetric matrices; orthogonal matrices; reduction of a matrix to echelon form. Eigenvalue problems; solution of characteristic equation in two and three dimensions, corresponding eigenvectors; reality of eigenvalues in symmetric cases; quadratic forms, principal axes; geometrical applications, (classification of cones), extension of concepts to large scale systems.

**Courses:** IF54, PS47

**Prerequisites:** MAB188

**Credit Points:** 6

**Contact Hours:** 3 per week

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**MAB601 MULTIVARIABLE CALCULUS**

Differentiation, extrema; double integrals, triple integrals, surface integrals; functions of a complex variable, analyticity, complex integration.

**Courses:** ED50, IF34, IF42, IF44, IF58, IF71, MA34, SC30

**Prerequisites:** MAB303, MAB304

**Credit Points:** 12

**Contact Hours:** 4 per week

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**MAB602 VECTOR FIELD THEORY**

Vector analysis; scalar and vector fields; line integrals; surface integrals; differential field operators; the integral properties of fields. Tensor analysis; curvilinear coordinates; application to potential theory; hydrodynamic theory, electromagnetic theory; calculus of variations; functionals; Euler’s differential equation; problems with subsidiary conditions.

**Courses:** IF42, IF44, MA34, SC30

**Prerequisites:** MAB42

**Credit Points:** 12

**Contact Hours:** 4 per week

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**MAB612 DIFFERENTIAL EQUATIONS**

Mathematical modelling with differential equations; wellposedness of first order differential equations and graphical methods; theory of linear systems and nth order differential equations, solutions for constant coefficients; series; Laplace Transform; boundary value problems; Fourier series; separation of variables method for partial differential equations.

**Courses:** ED50, IF34, IF42, IF44, IF58, IF71, MA34 SC30

**Prerequisites:** MAB303, MAB304

**Credit Points:** 12

**Contact Hours:** 4 per week

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**MAB618 COMPUTATIONAL MATHEMATICS 2**

Linear equations; numerical solution of a single non-linear equation; interpolation; quadrature; numerical solution of a single first order differential equation.

**Courses:** IF42, IF44, IF58, IF71, IT20, MA34, SC30

**Prerequisites:** MAB321

**Credit Points:** 12

**Contact Hours:** 4 per week

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**MAB620 FINITE MATHEMATICS**

Logic; axioms, proofs, truth-table decidability; set theory, relations, functions; number theory; primes and divisibility, Fermat’s and Euler’s theorems; greatest common divisor, Euclid’s algorithm; primitive roots; arithmetic functions; abstract algebra: Boolean algebras, groups, rings, fields; automata; finite state machines.

**Courses:** ED50, IF58, IF71, IT20, MA34, SC30

**Prerequisites:** MAB303

**Credit Points:** 12

**Contact Hours:** 4 per week

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**MAB630 LINEAR ALGEBRA & ITS APPLICATIONS**

Concrete and abstract vector spaces; matrices; linear systems and determinants; inner products and the projection theorem; linear operators on a unitary space; eigenvalues; applications.

**Courses:** IF34, IF42, IF44, IF58, IF71, ED50, IT20, MA34, SC30

**Prerequisites:** MAB303

**Credit Points:** 12

**Contact Hours:** 4 per week

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**MAB632 MATHEMATICAL MODELLING**

Models are taken mainly from the areas of medicine and biology, including cancer research and population growth, and from mechanics applied to sport. Emphasis is on the mathematical modelling and not on the development of new mathematical techniques.

**Courses:** IF34, IF42, IF58, IF71, ED50, MA34, SC30

**Prerequisites:** MAB303 or MAB212, MAB222

**Corequisites:** MAB304

**Credit Points:** 12

**Contact Hours:** 4 per week
■ MAB637 OPERATIONS RESEARCH 1A
Linear programming; replacement, maintenance and reliability; project scheduling techniques; simulation.
Courses: ED50, IF34, IF42, IF44, IF58, IF71, IT20, MA34, SC30
Prerequisites: CSB155 or ITB410 or ITB840, MAB303, MAB347
Credit Points: 12  Contact Hours: 4 per week
■ MAB638 OPERATIONS RESEARCH 1B
Transportation, transhipment and assignment models; sensitivity analysis and duality; inventory models; introduction to queuing theory.
Courses: IF34, IF42, IF58, IF71, IT20, MA34, SC30
Prerequisites: MAB637
Credit Points: 12  Contact Hours: 4 per week
■ MAB641 ACTUARIAL MATHEMATICS
Mathematics of finance; management of fixed interest securities, portfolios, pure endowments and life annuities; assurances; policy values; mortality laws, population projections, superannuation, introduction to general insurance.
Courses: IF34, IF58, IF71, MA34, SC30
Prerequisites: MAB301, MAB342
Credit Points: 12  Contact Hours: 4 per week
■ MAB642 METHODS OF MATHEMATICAL ECONOMICS
Comparative static analysis; matrices and economic theory; optimisation theory and its application in economics.
Courses: IF34, IF58, IF71, MA34, SC30
Prerequisites: MAB301, MAB303
Credit Points: 12  Contact Hours: 4 per week
■ MAB647 STATISTICS 2A
Bivariate distributions; conditional distributions; covariance; moment generating functions; joint mgf’s and their uses in iid cases; transformations; sampling distributions; introductory stochastic processes; time series and auto correlation; convergence ideas; order statistics.
Courses: BS50, BS56, ED50, IF34, IF42, IF44, IF58, IF71, MA34, SC30
Prerequisites: MAB348, MAB301
Corequisites: MAB303
Credit Points: 12  Contact Hours: 4 per week
■ MAB648 STATISTICS 2B
Single and multiple regression analysis, prediction and estimation; use of Minitab package, residual plots; blocking, 2 and 3 factor designs, general theory for 2k designs, additive and interaction models; orthogonal contrasts.
Courses: BS50, BS56, ED50, IF34, IF42, IF44, IF58, IF71, MA34, SC30
Prerequisites: MAB348
Credit Points: 12  Contact Hours: 4 per week
■ MAB795 SURVEY MATHEMATICS 3
Courses: IF52, IF54, PS47
Prerequisites: MAB496
Credit Points: 6  Contact Hours: 3 per week
■ MAB883 ENGINEERING MATHEMATICS 3
Modelling and analysis of variation and data in engineering contexts with emphasis on real data and use of computer packages; estimation, testing, SPC, regression, ANOVA, reliability. Courses: CS85, EE43, EE44, IF34, IF42, IF54, ME45, ME46, PS47
Prerequisites: MAB187, MAB188
Credit Points: 8  Contact Hours: 3 per week
■ MAB906 TOPICS IN ANALYSIS
Convergence in R; uniform convergence; measure theory: measurable sets and functions; Lebesgue integrals; metric spaces, contraction mapping principle; normed and Banach spaces, dual spaces and linear operators: Hilbert spaces, O N basis, self-adjoint operators.
Courses: IF34, IF44, IF49, IF58, IF71, MA34, SC30, SC60, SC80
Prerequisites: MAB601
Credit Points: 12  Contact Hours: 4 per week
■ MAB907 STATISTICS 3A
Methodology and theory of statistical inference; likelihood and its uses; large sample results, exponential family and its importance; statistical methodology for all linear models; diagnostics and assessing assumptions; introduction to generalised linear models.
Courses: IF34, IF42, IF44, IF58, IF71, MA34, SC30
Prerequisites: MAB647, MAB648, MAB303
Credit Points: 12  Contact Hours: 4 per week
■ MAB908 STATISTICS 3B
Experimental design; response surfaces; optimal design; transformations, diagnostics, influential observations, some EDA, likelihood, deviance.
Courses: IF34, IF42, IF44, IF58, IF71, MA34, SC30
Prerequisites: MAB648
Credit Points: 12  Contact Hours: 4 per week
■ MAB911 COMPUTATIONAL MATHEMATICS 3A
Zeros of polynomials; solution of special types of matrix systems by direct methods; matrix and vector norms, eigenvalues and eigenvectors; solutions to systems of linear equations by indirect methods; solution of non-linear equations; ordinary differential equations (ODEs); the eigenvalue problem.
Courses: IF42, IF44, IF58, IF71, MA34, SC30
Prerequisites: MAB618
Corequisites: MAB630
Credit Points: 12  Contact Hours: 4 per week
■ MAB912 CONTINUUM MODELLING
Revision of elementary vector analysis; vector field theory; curvilinear coordinates; mathematical models of fluid motion including circulation and vorticity; Bernoulli equation and applications; incompressible potential flow; equations of motion and some exact solutions of the Navier-Stokes equations; introduction to the use of a computational fluid dynamics package. FLUENT.
Courses: IF42, IF44, IF58, IF71, MA34, SC30, SC60
Prerequisites: MAB601, MAB612
Credit Points: 12  Contact Hours: 4 per week
■ MAB913 COMPUTATIONAL MATHEMATICS 3B
Hilbert spaces; the projection theorem; application to discrete polynomial and trigonometric approximation; Legendre polynomials; Gaussian quadrature; Chebyshev polynomials; Chebyshev approximation. Reduction of a matrix to upper Hessenberg form by similarity transforms, orthogonal reductions, Givens and Householder methods, determination of eigen-systems by the QR algorithm, emphasis on symmetric matrices. Stability analyses for IVPs, types of instability, inherent and induced, partial instability. Partial differential equations (PDEs).
Courses: IF42, IF44, IF58, IF71, MA34, SC30, SC60, SC80, IF49
Prerequisites: MAB911
Credit Points: 12  Contact Hours: 4 per week
■ MAB927 OPERATIONS RESEARCH 2A
Algorithms of linear programming; integer and mixed integer programming; non-linear programming; dynamic programming; heuristic methods.
Courses: IF34, IF42, IF58, IF71, MA34, SC30
Prerequisites: MAB638
Credit Points: 12  Contact Hours: 4 per week
■ MAB928 OPERATIONS RESEARCH 2B
Simulation; queuing theory; decision analysis; implementation in operations research.
Courses: IF34, IF42, IF58, IF71, MA34, SC30
Prerequisites: MAB637
Credit Points: 12  Contact Hours: 4 per week
MAB929 TIME SERIES & STATISTICAL FORECASTING
Trend and seasonal effects; stationarity; linear models; recursive methods; linear and non-linear forecasting; state space models; Kalman filter; frequency domain; spectral estimation; dynamical systems and chaos; applications to epidemics, finance, environment; statistical computing for time series.
Courses: IF34, IF42, IF44, IF58, MA34, SC30, SC60, SC80, IF49, IF71
Prerequisites: MAB303, MAB304, MAB647, MAB648
Credit Points: 12 Contact Hours: 4 per week

MAB933 MATHEMATICAL BIOLOGY
Population ecology, using both discrete and continuous models; predator-prey interactions; enzyme kinetics; epidemics and developmental biology.
Courses: IF34, IF58, IF71, MA34, SC30
Prerequisites: MAB601, MAB612, MAB632
Credit Points: 12 Contact Hours: 4 per week

MAB941 MATHEMATICAL MODELLING IN ECONOMICS
Differential and difference equations in economic dynamics; multi-market equilibrium; equilibrium of dynamic macroeconomic models; stability; optimal control theory.
Courses: IF34, IF58, IF71, MA34, SC30
Prerequisites: MAB642
Credit Points: 12 Corequisites: MAB601

MAB942 OPTIMISATION METHODS
Numerically based algorithms for function optimisation and non-linear equation solving; classical methods of optimising non-linear functions with non-linear inequality constraints; global optimisation strategies.
Courses: IF34, IF42, IF44, IF58, IF71, MA34, SC30
Prerequisites: MAB642
Credit Points: 12 Contact Hours: 4 per week

MAB960 PROJECT WORK
Projects vary in nature and may involve the collection and evaluation of mathematical techniques in some field of interest or the formulation of a problem of interest and the derivation of a solution. Practical community/industry orientated projects are encouraged. Each project is undertaken by a student, or group of students, and is supervised by a member of staff who provides guidance throughout the duration of the project.
Courses: IF34, IF58, IF71, MA34, SC30
Prerequisites: Successful completion of at least 192 credit points including at least two units from List D of the course requirements
Credit Points: 12 Contact Hours: 4 per week

MAB970 PROBABILITY THEORY & STOCHASTIC PROCESSES
Probability measures, conditional probability; distributions and random variables. Convergence of random variables; strong and weak laws of large numbers; central limit theorems. Markov processes: birth and death, queues; epidemics; inference. Point processes: marked point processes; filtered processes; inference, simulation. Branch process.
Courses: IF34, IF44, IF58, IF71, MA34, SC60, SC30, SC80, IF49
Prerequisites: MAB647
Credit Points: 12 Contact Hours: 4 per week

MAB971 ADVANCED MATHEMATICS OF FINANCE
Background to investment, investment objectives and philosophy; stochastic interest rates, modern portfolio theory, CAPM, APT; operations of futures and options markets. Mathematical aspects of pricing derivative securities.
Courses: IF34, IF58, IF71, MA34, SC30, SC60, SC80
Prerequisites: MAB641
Credit Points: 12 Contact Hours: 4 per week

MAB973 PARTIAL DIFFERENTIAL EQUATIONS
Derivation of first and second order partial differential equations; solution of partial differential equations by characteristics, separation of variables and Laplace and Fourier transforms; a study of Schrödinger’s wave equation.
Courses: IF34, IF42, IF44, IF58, IF71, MA34, SC30, SC60, SC80, IF49
Prerequisites: MAB601 or MAB602, MAB612
Credit Points: 12 Contact Hours: 4 per week

MAB974 SAMPLING & SURVEY TECHNIQUES
Random sampling: estimates; design of questionnaires; data quality and errors in surveys; systematic, cluster and double sampling plans; imputation techniques; alternatives to household surveys.
Courses: IF34, IF42, IF58, IF71, MA34, SC30, SC60, SC80
Prerequisites: MAB647, MAB648
Credit Points: 12 Contact Hours: 4 per week

MAB975 ORDINARY DIFFERENTIAL EQUATIONS & CHAOS
Ordinary differential equations; eigenvalues of systems of ordinary differential equations; system stability using phase plane portraits; bifurcations; chaotic systems; analytic and numerical solution of equations describing systems with singular and chaotic behaviour; iterative maps; Mandelbrot and Julia-type fractals.
Courses: IF44, SC60, SC80, IF49
Prerequisites: MAB601, MAB612, MAB911
Credit Points: 12 Contact Hours: 3 per week

MAB976 RELIABILITY & SURVIVAL ANALYSIS
Failure rates; life distributions and inference; extreme values; fitting tails; flood data; IFR, NBU; system reliability; censored sampling; Cox’s proportional hazards model; competing hazards.
Courses: SC60, SC80, IF49
Prerequisites: MAB647, MAB648
Credit Points: 12 Contact Hours: 3 per week

MAB977 SCHEDULING & NETWORKS
Inventory systems, production planning and scheduling; aggregate planning and master scheduling, requirement planning, LP, LDR and SDR techniques. Scheduling problems, sequencing problems, flow-shop and job shop scheduling problems. Network flows.
Courses: SC60, SC80 Prerequisites: MAB927, MAB928
Credit Points: 12 Contact Hours: 3 per week

MAB978 STATISTICAL SIGNAL PROCESSING & IMAGE ANALYSIS
Courses: IF44, SC60, SC80, IF49 Prerequisites: MAB929
Credit Points: 12 Contact Hours: 3 per week

MAB979 STATISTICAL MODELLING & DATA ANALYSIS
Multivariate analysis concepts; multivariate normal and estimation, multivariate graphical techniques, discriminant analysis, principal components, factor analysis, clustering methods. Modern data analysis techniques; including decision trees, the bootstrap and other resampling techniques, generalised additive models, and Monte Carlo Markov Chains.
Courses: SC60, SC80, IF49 Prerequisites: MAB601, MAB907
Credit Points: 12 Contact Hours: 3 per week

MAB981 APPLIED STATISTICAL INFERENCE
Modern approaches to data analysis and inference; estimat-
ing equations and their generalisation; applications of these methods; likelihood techniques, analytical and numerical methods; Bayesian techniques and computational methods; applications. Sample reuse methods (bootstrapping, etc.)

Courses: SC60, SC80, IF49
Prerequisites: MAB630, MAB907, MAB908
Credit Points: 12
Contact Hours: 3 per week

■ MAB984 ACTUARIAL STATISTICS
Distribution theory; actuarial models and data; financial stochastic models and their use in problem-solving; credibility, utility and risk theory; loss and ruin models; premium analysis.

Courses: SC60, SC80
Credit Points: 12
Contact Hours: 3 per week

■ MAB985 COMPUTATIONAL MATHEMATICS 4

Courses: SC60, SC80, IF49
Prerequisites: MAB911
Credit Points: 12
Contact Hours: 3 per week

■ MAB986 MATHEMATICAL MODELLING OF INDUSTRIAL PROCESSES
Solution of the steady/unsteady heat conduction equation with: variable thermal conductivity, different types of boundary conditions, irregular boundaries, moving interfaces, eg. solidification, non-linear forms, eg. natural convection, point sources. Derivation and discussion of the viscous fluid flow equations: primitive form of equations, stream function and vorticity transport form, conservative and non-conservative forms, stability, solving the equations numerically, boundary conditions.

Courses: SC60, SC80, IF49
Prerequisites: MAB973, MAB601, MAB913
Corequisites: MAB985
Credit Points: 12
Contact Hours: 3 per week

■ MAB987 OPTIMISATION OF CONTROLLED PROCESSES
Calculus of variations, Lagrange formulation, Mayer formulation, Bolza formulation, constraints, corner conditions, transversal conditions. Pontryagin’s maximum principle. Relationship of the above to dynamic programming. Practical applications of the above to: design of optimal control strategies, time optimal control, optimal continuous scheduling.

Courses: SC60, SC80, IF49
Prerequisites: MAB601, MAB612
Credit Points: 12
Contact Hours: 3 per week

■ MAB989 PROJECT
Project and thesis component of Honours course (SC60).

Courses: SC60
Corequisites: Approved Honours program
Credit Points: 36

■ MAB990 STUDIES IN QUALITY
Quality management concepts and techniques. Topics include quality assurance and the AS9000 series, TQM, flow charts, cause and effect diagram, control charts, sampling, human factors.

Courses: SC60, SC71, SC80
Prerequisites: MAB347
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: SCB510

■ MAB999 ADVANCED TOPICS
Content will vary according to the topic. Enables students to access an area of mathematics particularly appropriate to their research projects or planned career.

Courses: SC60, SC71, SC90
Prerequisites: Permission of the Head of School
Credit Points: 12
Contact Hours: 3 per week

■ MAN001 READING COURSE 1
Provides the candidate with the appropriate background at an advanced level necessary for the completion of a research program.

Courses: SC80
Credit Points: 12

■ MAN002 READING COURSE 2
See MAN001.

Courses: SC80
Credit Points: 12

■ MAN009 EXPERIMENTAL DESIGN & STATISTICAL ANALYSIS
The development of further statistical understanding and techniques for researchers in other areas.

Courses: AT22, BN71, BN72, BN73, BS81, BS83, BS84, BS85, BS87, CE74, CN77, CS36, ED11, ED12, ED13, EE75, EE78, HL50, HL52, HL58, HL88, IF49, IS50, IIT48, LS85, ME76, NS64, NS85, PH80, PU65, PU69, SC80
Prerequisites: At least one undergraduate statistics unit
Credit Points: 12
Contact Hours: 4 per week

■ MAP214 STATISTICAL QUALITY PROCEDURES
Process measures, histogram, boxplot, describing quality-related phenomena, variable and attribute data; testing process parameters, consumer and supplier risks, interval estimation, comparison of two processes; control chart concept; variables charts for process location and dispersion, pattern analysis and interpretation of charts; process capability, natural tolerance, capability index, monitoring control charts; p, c and u charts; cusum technique, variable data, procedure, application to attribute data; correlation analysis; scattergram, cause and effect, regression analysis, percentage variation explained, several predictors.

Courses: IF69
Credit Points: 12
Contact Hours: 3 per week

■ MAP222 QUALITY IMPROVEMENT
Flow charts; deployment, layout, top down. Pareto analysis; stratified data, frequency versus cost. Cause and effect diagram; dispersion analysis, process classification. Affinity diagrams, etc. Decision making techniques; brainstorming, multivoting, nominal group technique. Quality improvement teams and quality circles. Quality improvement roadmaps; project identification, improvement plan, strategies, PDCA cycle, seven-step improvement process, team building.

Courses: IF69
Credit Points: 12
Contact Hours: 3 per week

■ MAP224 DESIGN OF EXPERIMENTS & SAMPLING PROCEDURES
Sampling procedures, data collection and surveys; introduction to techniques in experimental design, effectiveness in identifying causes of variation, efficiency in use of resources; analysis of variance, fully replicated designs, fractional replication, Plackett-Burman designs, screening, use of statistical software.

Courses: IF69
Credit Points: 12
Contact Hours: 3 per week

■ MDB300 TEACHING IN THE INFORMATION AGE
The impact of information technology on education; the concept of an information society; how what is defined as knowledge is contested and changed by information technology; the development of further statistical understanding and techniques for researchers in other areas.

Courses: ED37, ED43, ED50, ED51, ED52, ED54
Credit Points: 12
Contact Hours: 3 per week

■ MDB320 DATABASE THEORY & TECHNIQUES
The logical and physical models of information systems, characteristics, use of a structured query language to query existing curriculum databases and construct new ones; the sociological implications of the utilisation of public and private databases.

Courses: ED50
Credit Points: 12
Contact Hours: 3 per week
- **MDB321 INFORMATION SYSTEM MODELLING IN EDUCATIONAL CONTEXTS**
  This unit includes the modelling of information systems; relational systems; fact-oriented approaches; conceptual schema design.
  **Course:** ED50  
  **Prerequisite:** ISB863  
  **Credit Points:** 12  
  **Contact Hours:** 3 per week

- **MDB322 COMPUTER SYSTEMS FOR TEACHERS**
  Examination of single and multi-user operating systems; interaction with computer systems and management of stored information; definition and implementation of algorithms in suitable language; selection of computable representation for real world concepts and application in computer programs; hierarchy of levels of abstraction; adoption of abstracted views of real world information processing or problem-solving situations; capabilities and limitations of conventional, sequential processing machine architectures.
  **Course:** ED50  
  **Credit Points:** 12  
  **Contact Hours:** 3 per week

- **MDB323 PROGRAMMING LANGUAGES FOR TEACHERS**
  This unit includes further software development; techniques of program development; top-down design and modularity; computer programming using appropriate languages.
  **Course:** ED50  
  **Prerequisite:** ISB905 or equivalent  
  **Credit Points:** 12  
  **Contact Hours:** 3 per week

- **MDB325 BIOLOGY CURRICULUM STUDIES 1**
  The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
  **Courses:** ED50, ED54  
  **Prerequisites:** Normally the completion of 48 credit points in each relevant discipline area 
  **Credit Points:** 12  
  **Contact Hours:** 3 per week

- **MDB326 BIOLOGY CURRICULUM STUDIES 2**
  Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
  **Courses:** ED50, ED54  
  **Prerequisites:** Normally the completion of 48 credit points in each relevant discipline area 
  **Credit Points:** 12  
  **Contact Hours:** 3 per week

- **MDB329 COMPUTING CURRICULUM STUDIES 1**
  The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
  **Courses:** ED50, ED54, IT20  
  **Prerequisites:** Normally the completion of 48 credit points in each relevant discipline area 
  **Credit Points:** 12  
  **Contact Hours:** 3 per week

- **MDB330 COMPUTING CURRICULUM STUDIES 2**
  Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
  **Courses:** ED50, ED51, ED52, ED54, ED37  
  **Prerequisites:** MDB329  
  **Credit Points:** 12  
  **Contact Hours:** 3 per week

- **MDB331 EARTH SCIENCE CURRICULUM STUDIES 1**
  The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
  **Courses:** ED50, ED54  
  **Prerequisites:** Normally the completion of 48 credit points in each relevant discipline area 
  **Credit Points:** 12  
  **Contact Hours:** 3 per week

- **MDB332 EARTH SCIENCE CURRICULUM STUDIES 2**
  Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
  **Courses:** ED50, ED54  
  **Prerequisites:** Normally the completion of 48 credit points in each relevant discipline area 
  **Credit Points:** 12  
  **Contact Hours:** 3 per week

- **MDB333 MATHEMATICS CURRICULUM STUDIES 1**
  The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
  **Courses:** ED50, ED54  
  **Prerequisites:** Normally the completion of 48 credit points in each relevant discipline area 
  **Credit Points:** 12  
  **Contact Hours:** 3 per week

- **MDB334 MATHEMATICS CURRICULUM STUDIES 2**
  Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
  **Courses:** ED50, ED54  
  **Prerequisites:** Normally the completion of 48 credit points in each relevant discipline area 
  **Credit Points:** 12  
  **Contact Hours:** 3 per week

- **MDB335 PHYSICS CURRICULUM STUDIES 1**
  The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
  **Courses:** ED50, ED54  
  **Prerequisites:** Normally the completion of 48 credit points in each relevant discipline area 
  **Credit Points:** 12  
  **Contact Hours:** 3 per week

- **MDB336 PHYSICS CURRICULUM STUDIES 2**
  Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
Courses: ED50, ED54
Credit Points: 12
Contact Hours: 3 per week

MDB337 SCIENCE CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
Courses: ED50, ED54
Prerequisites: Normally the completion of 48 credit points in each relevant discipline area
Credit Points: 12
Contact Hours: 3 per week

MDB338 SCIENCE CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
Courses: ED50, ED54
Prerequisites: MDB329
Credit Points: 12
Contact Hours: 3 per week

MDB340 MATHEMATICS & TECHNOLOGY EDUCATION
Builds on the understandings developed in MDB302 and MDB339. Exploration of issues concerned with the teaching of measurement and mathematical problem solving; investigation of how information technology can be used to facilitate the development of high-level learning skills in mathematics and other areas in the primary school.
Courses: ED51
Prerequisites: MDB302, MDB339
Credit Points: 12
Contact Hours: 3 per week

MDB341 SCIENCE EDUCATION
The role of particular psychological, developmental and sociological approaches which play a significant role in science curriculum and development. The process skills and manipulative skills associated with science. Comparison of existing approaches to teaching science. Science development associated with mathematics and language development. Resources for science education. Development and implementation of units of work.
Courses: ED51
Prerequisites: MDB303
Credit Points: 12
Contact Hours: 3 per week

MDB342 COMPUTERS IN THE SCHOOL CURRICULUM
Designed to provide teachers with a framework for investigating the present and future influence of computers on curriculum development in educational institutions.
Courses: ED51
Credit Points: 12
Contact Hours: 3 per week

MDB343 DIAGNOSIS & REMEDIATION IN MATHEMATICS
Overview of numerical and conceptual learning difficulties in mathematics; learning experiences in various areas of mathematics; utility of mathematics in real life situations; examination of mathematics in other curriculum areas; learning experiences in the integration of mathematical topics; use of hand-held calculator and the computer as aids to conceptual development and as practical tools; error analysis and diagnostic inventories; remedial strategies.
Courses: ED51
Credit Points: 12
Contact Hours: 3 per week

MDB344 INITIATIVES IN SCIENCE EDUCATION
Exploration of alternative practices in science education particularly through the development of research-based project work for children, the extended excursion or field trip and involvement in community sponsored and/or related science activities and events.
Courses: ED51
Credit Points: 12
Contact Hours: 3 per week

MDB345 SOFTWARE DEVELOPMENT FOR EDUCATIONAL CONTEXTS
Algorithmic thinking and its implementation form a major component within the Information Processing and Technology syllabus now implemented in secondary schools. Prospective teachers of courses such as these require a sound foundation in the design and development of software along with the use of modern abstract procedural, data and object handling representations. Software design and development are closely bound to particular problems contexts. This unit is based on the design of educational software because this area is relevant to the students concerned and because there is a clear demand for such software. Students in this unit will employ a range of powerful programming techniques and structures in the development of educational computer software.
Courses: ED50
Prerequisites: CSB860
Credit Points: 12
Contact Hours: 3 per week

MDB347 EXCURSIONS IN MATHEMATICS
An invitation to explore some interesting byways off the high road of mathematics. Discover some intriguing diversions to add quality to your lessons.
Courses: ED51, ED52
Credit Points: 12
Contact Hours: 3 per week

MDB349 MATHEMATICAL REASONING
The concept of thinking and intelligence; the nature of mathematical thinking during the first half of this century; modern ideas on the nature of mathematical thinking; the thinking skills movement and programs designed to foster thinking; analysis of children’s thinking in solving mathematical problems; analysis of students’ ‘everyday cognition’ together with their thinking in mathematical situations.
Courses: ED51, ED52
Credit Points: 12
Contact Hours: 3 per week

MDB375 COMPUTING TOOLS FOR TEACHERS
The use of writing and publishing software, graphics design software, computer managed learning development tools, numerical software tools, personal and project management tools, communications technologies and computer peripherals used in the production of computer generated materials.
Courses: ED50
Credit Points: 12
Contact Hours: 3 per week

MDB377 PROJECT PLANNING & IMPLEMENTATION FOR EDUCATIONAL PURPOSES
The study of computing and its application in educational and other environments is very much associated with planned and sequenced implementation of tasks. A study and understanding of how tasks might be represented, sequenced and implemented is essential if technology is to be used effectively in education. The use of project work as a pedagogical technique is a popular strategy to promote independent learning and student autonomy. This unit provides students with a framework to evaluate this methodology.
Courses: ED50
Prerequisites: MDB375
Credit Points: 12
Contact Hours: 3 per week

MDB378 EARTH & SPACE
Examination of scientific concepts in important areas of space, time and motion, the origin and history of earth and its environments. Scientific principles and techniques for observing space and earth phenomena are investigated. Strategies for incorporating this knowledge in teaching settings.
Courses: ED51
Credit Points: 12
Contact Hours: 3 per week

MDB379 SCIENCE & SURVIVAL
Examination of a range of scientific concepts in the area of matter and energy and how these concepts are applied in a technological context. On a broader horizon, the scientific principles underlying major innovations, disasters and controversial issues are examined. Strategies for incorporating this knowledge in a teaching situation.
Courses: ED51
Credit Points: 12
Contact Hours: 3 per week
MDB380 TECHNOLOGY & LIFE SCIENCE
The interaction of organisms and their physical environment; the human influence in the biosphere; how technology empowers communities to exploit and/or protect biological systems and the integrity of the earth as humanity experiences it today. This unit focuses on the use of instrumentation and technology in the area of science research in the life sciences and investigates how this technology can be adapted to practice in primary classrooms.
Courses: ED51
Credit Points: 12
Contact Hours: 3 per week

MDB381 SCIENCE & TECHNOLOGY IN THE COMMUNITY & WORKPLACE
Development of an awareness of how science and technology pervade most aspects of our daily lives in communities and workplaces. The implications of a rapidly changing scientific and technological base of industry; increasing involvement of the public in national and international decision-making; the need for a scientifically literate society. Practical exercises and projects are also undertaken.
Courses: ED54
Credit Points: 12
Contact Hours: 3 per week

MDB382 PROBLEM SOLVING, CRITICAL THINKING & FUTURING
Reviews state-of-the-art concepts and practices from problem solving, critical thinking, and futuring knowledge bases which have practical applications in the adult education and human resource development field. Participants may enhance their professional effectiveness in performing administrative, instructional, and program development responsibilities through modern practice.
Courses: ED54
Credit Points: 12
Contact Hours: 3 per week

MDB383 USING INFORMATION TECHNOLOGIES IN THE CURRICULUM
Examination and analysis of relevant curriculum documents, e.g. National Technology Statement, Queensland Education Department. Guidelines for the Use of Computers in Learning, curriculum developed as a result of the Wiltshire Report. Content will include models for learning with information technology; models for learning about information technology; and managing information technology resources.
Courses: ED51
Credit Points: 12
Contact Hours: 3 per week

MDB384 SCIENCE EDUCATION
Science curriculum development and implementation will examine the growth of children's understandings of key concepts in science. The development of their scientific thinking and manipulative skills will also be investigated in conjunction with this. Extended sequences of learning experiences, or programs, will be planned and implemented.
Courses: ED51
Credit Points: 12
Contact Hours: 3 per week

MDB385 INFORMATION TECHNOLOGIES IN EDUCATION
A critical reflection on the history of technological development and the social impact of these developments combined with issues relating to the uses of information technologies in teaching and learning. Lecture sessions with workshop and laboratory sessions will assist students to become competent in applying information technologies to academic tasks accessing electronic information sources, creating documents, engaging in computer-based dialogues, analysing, evaluating.
Courses: ED43, ED51, ED52
Credit Points: 12
Contact Hours: 3 per week

MDB386 MATHEMATICS FOUNDATIONS
This unit will introduce prospective teachers in the primary school to those elements that are important to mathematics today. The unit will begin by exploring the ideas of mathematics in today's society. The unit will then look at the history of mathematics relating to mathematics as it is presented in modern day classrooms. The historical analysis will look at the development of the structure of the unit. From this introduction, the formal connections between the disciplines - number, geometry and measurement - will be further analysed. The students will see that mathematics is a discipline with applications that are used today.
Courses: ED43, ED51, ED52
Credit Points: 12
Contact Hours: 3 per week

MDB387 SCIENCE FOUNDATIONS
This unit will develop students' understandings of fundamental concepts related to natural and processed materials, energy, change and growth. Students will also examine issues such as the nature of science, the historical development of major concepts of science, the development of communication in science, and the relationship of science to society. Students will engage in the processes of working through practical hands-on activities, discussions and debates, and small project work.
Courses: ED43, ED51, ED52
Credit Points: 12
Contact Hours: 3 per week

MDB388 GAMING & CHANCE
Discover the world of probabilistic mathematics, gaming, expectation and decision-making through games and activities that have application in mathematics teaching.
Courses: ED52, ED51
Credit Points: 12
Prerequisites: MDB387
Contact Hours: 3 per week

MDB389 LIFE & LIVING PROCESSES
The interaction of organisms and their physical environment will be investigated, in particular, the human influence on the biosphere. The role of technology in empowering communities to exploit and/or protect biological systems and the integrity of the earth as humanity experiences it today will also be studied. Energy and energy changes, energy resources and the responsible use of those resources will be considered.
Courses: ED52, ED51
Credit Points: 12
Prerequisites: MDB387
Contact Hours: 3 per week

MDB390 NATURAL & PROCESSED MATERIALS
This unit continues the development of students' content knowledge in science by examining a range of scientific concepts that contribute to an understanding of science in a technological context. The focus will be on the exploitation of natural and processed materials and a consideration of the environment and social costs and benefits associated with the use of those materials.
Courses: ED52, ED51
Credit Points: 12
Prerequisites: Life and Living Processes
Contact Hours: 3 per week

MDB391 EARTH & SPACE
The unit examines scientific concepts in important areas of space, time and motion, the origin and history of earth and its environments, and light and optics. Scientific principles and techniques for observing space and earth phenomena will also be investigated.
Courses: ED52, ED51
Credit Points: 12
Prerequisites: MDB390
Contact Hours: 3 per week

MDB392 EDUCATIONAL COMPUTING ENVIRONMENTS
An introduction to computer systems, including an understanding of computer systems and networks used in education. The focus will be on the technical management of personal and networked systems commonly found in schools. Students will use an appropriate educational programming language to apply their understandings of computer systems to a practical situation.
Courses: ED52, ED51
Credit Points: 12
Prerequisites: MDB392
Contact Hours: 3 per week

MDB393 NETWORKED COMMUNICATIONS
This unit examines how a number of computer-linked communities can provide access to information and resources that teachers may use both personally and professionally. Students
will use such things as local and wide area networks, electronic information services, Internet, and the World Wide Web to participate in global and local communities and contribute to the resources available to these communities.

**Courses:** ED52, ED51  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDB439 CHOOSING SOFTWARE FOR EDUCATIONAL CONTEXTS**

Through an examination of specific items of educational software, students will develop a set of criteria for evaluating such software. Software will include computer-based learning and computer-based managed learning materials, multimedia materials delivered via CD-rom or other computer-based media, and software designed to promote the development of higher order thinking and communicative skills.

**Courses:** ED52, ED51  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDB395 MARINE STUDIES**

An understanding of interactions between humans and the marine environment are crucial if we are to maintain a viable ecosystem. We use the marine environment for both pleasure and for survival. As individuals we obtain food, leisure and relaxation from the sea, as a society we exploit its resources, use it for transport and deposit effluent in it. This unit explores in a theoretical and practical way the development of curriculum that helps learners come to understand the issues concerned with marine studies.

**Courses:** ED50  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDB411 EARLY CHILDHOOD MATHEMATICS TEACHING, LEARNING & ASSESSMENT**

Theoretical background and research; logical sequence of mathematics and children’s cognitive development; content and learning experiences for early childhood; integration and application.

**Courses:** ED26, ED61  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDB414 LEARNING ENVIRONMENTS USING INFORMATION TECHNOLOGY**

In this unit, students will explore the contribution that advanced information technologies can make to teaching and learning. Students will gain exposure to applications of technology such as multimedia materials and authoring software, the Internet, the World Wide Web, and CD-rom based materials. They will be required to apply these to a variety of curriculum settings.

**Courses:** ED50  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDB417 ASSESSING THE MATHEMATICAL & SCIENTIFIC ABILITIES OF STUDENTS**

This unit focuses on the identification, investigation and assessment of the mathematical and/or scientific abilities of students and the examination and implementation of strategies for enhancing and modifying those abilities. This unit has a major practical and research oriented component generally undertaken in a school setting. The mathematical and/or scientific abilities of studies can be related to any secondary subject.

**Courses:** ED50  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDB418 CREATING MULTIMEDIA ENVIRONMENTS FOR TEACHING & LEARNING**

The use of interactive technology in the teaching/learning processes; approaches to and uses of computer aided learning including hypermedia authoring systems such as Hypercard and Toolbook and their application in multimedia environments. Students will be involved in designing and producing an interactive learning environment using appropriate authoring software.

**Courses:** ED51  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDB419 MAPPING CHILDREN’S LEARNING OF MATHEMATICS**

This unit will focus on strategies and techniques for mapping children’s range of knowing, knowledge building and reasoning in mathematics; and for using this to provide a framework for guiding future learning. Students will act as teacher-researchers in a school based context, working with children to gain insight into their conceptions of mathematics and its learning and developing, and implementing programs to enhance learning.

**Courses:** ED51  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDB429 INITIATIVES IN SCIENCE EDUCATION**

In this unit students will have the opportunity to explore alternative practices in science education, particularly through the development of research-based project work for children, the extended excursion or field trip and involvement in community-sponsored and/or related science activities and events. An emphasis will be placed on catering for the individual and providing experiences which fully extend each child, including the exceptional child.

**Courses:** ED51  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDB440 COMPUTERS & EDUCATION**

An overview of microcomputer hardware and software with an emphasis on the usefulness of various components in schools; use of educationally valuable application software; critical examination of a variety of uses of computers in education; the impact of computers on society and education in particular.

**Courses:** ED26  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDB446 SCIENCE FOR EARLY CHILDHOOD**

Young children are naturally curious and enthusiastic about their environment. This unit aims to help teachers to develop the child’s interest in science and to enable children to become scientifically literate citizens of the future. Topics covered include the development of process skills and manipulative skills, theories of learning and development relevant to the science education of young children, learning experiences and resources.

**Courses:** ED26  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDB447 MATHEMATICS CURRICULUM**

Recent developments in the teaching and learning of mathematics; identification of effective curriculum models and teaching strategies for mathematics; understanding the content of school mathematics; developing assessment strategies.

**Courses:** ED26, ED61  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDN619 TECHNOLOGICALLY SUPPORTED TEACHING & LEARNING ENVIRONMENTS**

Computer-based software, equipment and educational settings as technological environments; models of interpreting technological environments; historical perspective of learning/teaching technologies; design of technological environments.

**Courses:** ED13, ED11  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDN623 COMMUNICATIONS TECHNOLOGY IN EDUCATION**

The design and development of educational communications technologies; building World Wide Web, electronic mail, interactive document and synchronous conferencing servers for use within educational contexts; managing and adapting client software for instructional use; policy issues in providing network-based educational resources; managing innovation within technological change.

**Courses:** ED13, ED11  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDN624 CURRICULUM STUDIES IN MATHEMATICS**

In this unit students will examine the design, implementation and evaluation of mathematics curricula. Consideration will be given to former and current trends in mathematics education including content, pedagogy and assessment and the roles of language, technology and affect in the teaching and learn-
ing of mathematics. Students will examine their own beliefs and philosophies and explore how these impinge on the curriculum process.
Courses: ED13, ED11, ED61
Credit Points: 12

■ MDN625 PSYCHOLOGY OF MATHEMATICS IN EDUCATION
This unit introduces students to some of the latest topics in cognitive psychology and examines their impact on mathematics education. These include the nature of knowledge and understanding, mathematical reasoning processes, cognitive learning, reasoning with representations, and problem solving and thinking skills. Students will develop skills in identifying and analysing their teaching practices from a cognitive perspective.
Courses: ED11, ED13, ED61
Credit Points: 12

■ MDN626 PEDAGOGY IN MATHEMATICS EDUCATION
This unit studies mathematics education in its classroom micro-context and its wider social macrocontext. It studies factors and constraints on these contexts in the light of recent developments in theories such as constructivisms and critical theory. It allows students to critically reflect on the different factors affecting the success and failure of learning environments in mathematics education and to critically reflect on their own practice in the light of these issues. The overall emphasis of this unit is the integration between theory and practice for the construction of successful learning environments.
Courses: ED11, ED13, ED61
Credit Points: 12

■ MDN627 STUDENT ASSESSMENT IN MATHEMATICS
This unit considers the major theoretical issues in assessment in mathematics education. The role of assessment and intervention is discussed and expertise is developed in planning of assessment instruments in their evaluation.
Courses: ED11, ED13, ED61
Credit Points: 12

■ MDN628 CURRICULUM STUDIES IN SCIENCE EDUCATION
This unit builds on the formal training and practical experiences of science educators from different educational fields spanning early childhood, primary, secondary and post-compulsory education. Major topics include changing goals and emphases in science education, science curriculum theory and design, science curriculum implementation and evaluation, and contemporary issues in science curriculum. A combination of directed readings, seminars, tutorials and independent research is negotiated with students to optimise learning experiences and relevance of the unit for individual students.
Courses: ED11, ED13
Credit Points: 12

■ MDN629 REASONING IN SCIENCE EDUCATION
The critical evaluation and development of scientific reasoning skills in science education: domain general and domain specific reasoning associated with particular science topics; student explanation, models and analogical reasoning; factors influencing reasoning including epistemological issues. The role of the science laboratory in science education and the development of science reasoning skills.
Courses: ED11, ED13
Credit Points: 12

■ MDN630 LEARNING & TEACHING IN SCIENCE EDUCATION
Overview of current learning theories of relevance to science educators with a particular emphasis on constructivist approaches. Application of learning theories to the construction of learning environments for enhancing understanding. Teacher, social and student factors constraining and facilitating the development of particular learning environments including gender and cultural diversity sensitive environments.
Courses: ED11, ED13
Credit Points: 12

■ MDN631 INFORMATION-BASED TECHNOLOGIES IN SCIENCE EDUCATION
Examines the use of information-based technology in science classrooms and laboratories to promote ‘learning with understanding’. The unit is based upon current research and focuses on a wide range of computer-based learning environments, for example, simulations, CBI, inquiry orientated databases, microcomputer based laboratories, modelling and net-based activities.
Courses: ED11, ED13
Credit Points: 12

■ MDN632 DATABASES IN EDUCATIONAL CONTEXT
This unit explores in an educational context some of the characteristics and applications of information systems. In particular it looks at how information is modelled, stored and retrieved using relational database techniques. The impact on society of the use of information systems is also explored. The pedagogies associated with teaching about and using information systems in schools are explored.
Courses: ED13, ED11
Credit Points: 12
Incompatible with: MDP503

■ MDN633 CURRICULUM STUDIES IN TECHNOLOGY EDUCATION
Curriculum theory: intended, developed and enacted curriculum; curriculum design: models for curriculum design; impact on information technology; curriculum implementation: vocational models; discipline models, individualised models, school-based models, innovations; curriculum evaluation; historical factors affecting the curriculum in technology education.
Courses: ED11, ED13
Prerequisites: MDP537, MDP532 or MDP503
Credit Points: 12

■ MDP401 JUNIOR SCIENCE CURRICULUM STUDIES 1
Development of basic proficiencies in teaching Junior Science. The unit is based upon current theories of learning and models of science education; laboratory safety and management.
Courses: ED11, ED13
Credit Points: 12
Contact Hours: 3 per week

■ MDP402 JUNIOR SCIENCE CURRICULUM STUDIES 2
See MDP401. The opportunity to extend expertise with respect to a wide range of teaching strategies and learning contexts.
Courses: ED11, ED13
Prerequisites: MDP401
Credit Points: 12
Contact Hours: 3 per week

■ MDP403 MATHEMATICS CURRICULUM STUDIES 1
A foundation for the planning and implementation of mathematics instruction; learning theories; practical curriculum planning; school syllabuses and programs in mathematics are examined.
Courses: ED11, ED13
Credit Points: 12
Contact Hours: 3 per week

■ MDP404 MATHEMATICS CURRICULUM STUDIES 2
See MDP403.
Courses: ED11, ED13
Prerequisites: MDP403
Credit Points: 12
Contact Hours: 3 per week

■ MDP405 COMPUTER EDUCATION CURRICULUM STUDIES 1
The broad issues of computer curricula; specific computer units in secondary schools, syllabus analysis, work program development. Management of computer studies and computer education in a school.
Courses: ED11, ED13
Credit Points: 12
Contact Hours: 3 per week

■ MDP406 COMPUTER EDUCATION CURRICULUM STUDIES 2
Analysis of topics in computer studies programs, learning computer studies, assessment, teaching strategies, classroom management. Work unit development.
Courses: ED11, ED13
Prerequisites: MDP405
Credit Points: 12
Contact Hours: 3 per week
The use of information technologies in the administration of a senior science subject; teaching strategies which foster the development of complex reasoning and skill development.

**Courses:** ED37  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDP409 SENIOR BIOLOGY CURRICULUM STUDIES 2**

Offers students the opportunity to extend expertise with respect to this particular discipline. Emphasis is placed on current issues in the discipline and teaching strategies which allow these issues to be freely discussed in the classroom.

**Courses:** ED37  
**Prerequisites:** MDP407  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDP410 SENIOR CHEMISTRY CURRICULUM STUDIES 2**

See MDP409.

**Courses:** ED37  
**Prerequisites:** MDP407  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDP411 SENIOR EARTH SCIENCE CURRICULUM STUDIES 2**

See MDP409.

**Courses:** ED37  
**Prerequisites:** MDP407  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDP412 SENIOR MARINE STUDIES CURRICULUM STUDIES 2**

See MDP409.

**Courses:** ED37  
**Prerequisites:** MDP407  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDP413 SENIOR PHYSICS CURRICULUM STUDIES 2**

See MDP409.

**Courses:** ED37  
**Prerequisites:** MDP407  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDP450 MATHEMATICS, SCIENCE & TECHNOLOGY 1**

The contexts of learning and processes by which effective mathematics/science learning takes place; the nature of mathematics/science and the rationale for mathematics/science education; theoretical constructs of curriculum development; approaches to teaching: key concepts and processes; technology in mathematics/science teaching.

**Courses:** ED36  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDP451 MATHEMATICS, SCIENCE & TECHNOLOGY 2**

Application of key concepts and processes in mathematics/science; concepts and processes studied in Semester 1 transferred to other mathematics/science topics; development of teaching episodes incorporating the concepts and processes. Assessment and evaluation; difference between assessment and evaluation; nature and types of assessment/evaluation. Child study: student selects child and mathematics/science topic to assess; develops instruments for assessment; analyse child’s performance; develop individual program to cater for child’s individual mathematical/scientific needs.

**Courses:** ED36  
**Prerequisites:** MDP450  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDP503 INFORMATION SYSTEMS IN EDUCATION**

Explores some of the characteristics and applications of information systems in an educational context. How information is modelled, stored and retrieved using relational database techniques; the impact on society of the use of information systems; the pedagogies associated with teaching about and using information systems in schools are explored.

**Courses:** ED21, ED51, ED52  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDP504 SCHOOL ADMINISTRATION USING INFORMATION TECHNOLOGY**

The use of information technologies in the administration of schools; explores a range of administrative packages; cost benefits and ethical implications.

**Courses:** ED21, ED51, ED52  
**Prerequisites:** MDP532 or MDP530  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDP506 COMPUTER EDUCATION PROJECT**

Offers students the opportunity to extend expertise gained in other units in the Graduate Diploma in Education (Computer Education). Under supervision, students select a problem relevant to computer education and implement a solution.

**Courses:** ED21, ED61  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDP507 TEACHING SECONDARY COMPUTER STUDIES**

Investigates and develops the pedagogy and management associated with Computer Studies courses currently implemented in Queensland Secondary schools. Emphasis is given to the Information Processing and Technology syllabus and the Practical Computer Methods syllabus.

**Courses:** ED21  
**Prerequisites:** MDP503 or MDP532  
**Corequisites:** MDP537  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDP508 COMPUTER USE IN THE PRIMARY CURRICULUM**

Examines the extent to which computers may be used to teach problem solving in the primary classroom through a study of Logo, adventure games, simulations, and genuine problem-solving software. In addition, the use of popular software tools as aids to teaching and learning is considered.

**Courses:** ED21, ED61  
**Prerequisites:** MDP537 or MDP532 or MDP530  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDP529 ASSESSMENT & REMEDIATION IN MATHEMATICS**

Overview of numerical and conceptual learning difficulties in mathematics; learning experiences in various areas of mathematics; utility of mathematics in real life situations; examination of mathematics in other curriculum areas; learning experiences in the integration of mathematical topics; use of hand-held calculator and the computer as aids to conceptual development as practical tools; geometric and algebraic concepts across the curriculum; error analysis and diagnostic inventories; remedial strategies.

**Courses:** ED26, ED28, ED61  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDP530 COMPUTER APPLICATIONS IN EDUCATION**

Allows students to gain technological skills and understanding while investigating applications of these technologies in the context of teaching and learning. A wide range of computer applications will be covered, including writing, publishing, graphics, communications and project management tools.

**Courses:** ED21, ED61  
**Credit Points:** 12  
**Contact Hours:** 3 per week  
**Incompatible with:** MDP505

**MDP531 INVESTIGATIONS INTO COMPUTER-AIDED LEARNING**

The use of interactive technology in the teaching/learning process; approaches to and uses of computer-aided learning, hypermedia authoring systems such as Hypercard, Linkways and Toolbook, and their applications in multimedia environments.

**Courses:** ED21, ED61  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**MDP532 COMPUTER SYSTEMS IN AN EDUCATIONAL CONTEXT**

An introduction to educational computer systems; it includes a study of problem-solving using computers, the architectures of computer systems, operating systems and an introduction to computer programming using appropriate educational languages.
MDP533 TEACHING INFORMATION SYSTEMS MODELLING
Designed for prospective teachers of information system modelling; explores the pedagogies and approaches appropriate for teaching students at a variety of levels including a secondary school environment; development and writing of specification documents for information system implementation within an educational context; tools such as relational languages and CASE used by students to implement small educational information systems.
Courses: ED21, ED26
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MDP501

MDP534 EDUCATIONAL APPLICATIONS OF ARTIFICIAL INTELLIGENCE
Artificial Intelligence (AI) as a discipline impacting on education, philosophical issues, and methods used in AI; focuses particularly on AI applications which cross broad areas of the school curriculum; provides appropriate curriculum support for teachers of the AI topic within the Information Processing and Technology unit at a secondary school level.
Courses: ED21
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: CSP842

MDP535 EDUCATIONAL SOFTWARE DEVELOPMENT
Data, procedural and object-orientated abstractions used in conjunction with modular programming practices. These understandings are used to solve problems from a wide range of practical educational applications especially with respect to the development of educational software.
Courses: ED21
Prerequisites: MDP532
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: CSP837

MDP536 COMPUTER GRAPHICS IN TEACHING
The use of computer graphics to enhance teaching and learning in a school environment. A problem-solving approach is employed and students are given the opportunity to apply what they are learning to their own curriculum areas.
Courses: ED21, ED61
Prerequisites: MDP532 or MDP530
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: CSP843

MDP537 MAJOR ISSUES IN COMPUTER EDUCATION
The application and implication of the use of information technologies in an educational environment; the impact of teaching, learning and the curriculum.
Courses: ED21, ED61
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MDP502

MDP538 COMPUTERS IN THE SECONDARY CURRICULUM
This unit explores the impact of information and communication technologies on those segments of the secondary curriculum where the emphasis is other than teaching about computing. The impact on teaching and learning is discussed within the framework of recent research, national, state, systemic and local policy documents.
Courses: ED21, ED61
Prerequisites: MDP537 or MDP532
Credit Points: 12

MEB036 SAFETY TECHNOLOGY 1
The importance and relevance of safety in the workplace; engineering materials and failure analysis; analysis of the accident process; hazards with machinery.
Courses: PU44
Credit Points: 12
Contact Hours: 3 per week

MEB111 DYNAMICS
The principles of dynamics; kinetics of particles and systems of particles in plane motion; coordinate systems; relative motion; various methods for the solution of mechanisms; freebody diagrams; work-energy equations; impulse; momentum and impact.
Courses: EE43, EE44, EE45, IF56, ME35, ME45, ME46, ME4
Prerequisites: MAB103, PHB134, MAB187
Credit Points: 8
Contact Hours: 3 per week

MEB134 MATERIALS 1
Bonding; thermodynamics of solids; state and phase changes; defects; elasticity, plasticity and fracture; recovery diffusion; recrystallisation; hot and cold deformation; creep and fatigue; mechanisms; heat treatment. Alloying and strengthening in metals, polymers and ceramics.
Courses: CE42, CE43, EE43, EE44, EE45, IF42, IF56, ME45, ME46, ME47
Credit Points: 8
Contact Hours: 3 per week

MEB173 MANUFACTURING PRACTICE
Manufacturing in world and Australian contexts; concept of manufacturing systems; conventional and non-traditional manufacturing technology; introduction to value analysis, product design and material selection; tolerancing and metrology; workplace health and safety.
Courses: IF56
Credit Points: 8
Contact Hours: 3 per week

MEB175 MANUFACTURING PRACTICE 1
Workplace health and safety practices. Lectures and hands-on instruction on general fitting and fabrication; metal joining (electric and gas); metrology. Industry visits.
Courses: ME35
Credit Points: 8
Contact Hours: 3 per week

MEB181 ENGINEERING COMMUNICATION
An introductory course in engineering graphics covering the application of the principles of geometric drawing to the preparation of engineering drawings. Topics include orthographic projection; auxiliary views; sectioning; use of manufacturing symbols; dimensioning and tolerancing; pictorial views and sketching; data presentation; oral and written reporting. Computer aided drafting is introduced.
Courses: CE31, CE42, CE43, EE43, EE44, EE45, IF25, IF42, IF44, IF56, ME35, ME45, ME46, ME47
Credit Points: 8
Contact Hours: 4 per week

MEB191 ENGINEERING IN THE MEDICAL ENVIRONMENT
Overview of the health system in Australia; clinical disciplines within medicine; medical terminology; history of health technology; health technology from an engineering perspective; case studies.
Courses: ME46
Credit Points: 8
Contact Hours: 3 per week

MEB213 MECHANICS OF SOLIDS
Concepts of stress, strain and elasticity; analysis of stress and strain; stresses in simple beams; torsion of circular shafts; stresses in thin-walled pressure vessels; strain measurement and strain gauging.
Courses: IF56, ME35, ME45, ME46, ME4
Prerequisites: CEB184
Credit Points: 8
Contact Hours: 4 per week

MEB221 ENGINEERING SCIENCE 1
Statics: forces in equilibrium; resolution of forces; friction; inertia and change of motion; application to connected bodies; dynamics of rotation; centripetal force; the hoist; periodic motion; balancing; work and energy; impulse and momentum; introduction to fluids at rest and in motion.
Courses: IF54, IF55, PS47, PS4
Prerequisites: MAB188
Corequisites: PHB172
Credit Points: 8
Contact Hours: 3 per week
UNIT SYNOPSES

■ MEB232 MATERIALS TECHNOLOGY 1
Nucleation and growth phenomena in commercial materials; solidification and casting; engineering properties of steels and non-ferrous alloys; welding and joining of structural materials; powder metallurgy and sintering.

Courses: IF56, ME35, ME45, ME46, ME47
Prerequisites: MEB133 or MEB134
Credit Points: 8
Contact Hours: 4 per week

■ MEB275 MANUFACTURING PRACTICE 2
Workplace health and safety practices. Lectures and hands-on instruction on machine tools; industrial presses; foundry methods; component assembly. Industry visits.

Courses: ME35, Prerequisites: MEB175
Credit Points: 8
Contact Hours: 3 per week

■ MEB282 DESIGN 1
This introductory design course covers the selection of basic machine elements based on their function, size and capacity as part of a mechanical system. The course comprises mechanical design; power transfer; V-belt drives; chain drives; gear drives; machine components: introduction to, preparation and use of spread sheets and data bases.

Courses: IF56, ME35, ME45, ME47
Prerequisites: CEB184, MEB181 or MEB134
Corequisites: MEB111, MEB134 or MEB181
Credit Points: 8
Contact Hours: 4 per week

■ MEB283 COMPUTER AIDED DESIGN & DRAFTING
This subject will allow students to expand previously acquired 2DCAD expertise to main frame, surface and solid modelling and to customise menus for personal use.

Courses: ME35
Credit Points: 8
Contact Hours: 4 per week

■ MEB314 MECHANICS 1
Kinematic and dynamic analysis of planar linkages and mechanisms; link synthesis and its application to the design of mechanisms; determination of static and dynamic forces and torques due to inertia and other effects in mechanisms; balancing; design and synthesis of cams with specified motion using graphical and analytical methods; kinematic analysis of spur gears in mechanisms.

Courses: IF56, ME35, ME45, ME46, ME47
Prerequisites: CEB184, MEB111, MEB213
Credit Points: 8
Contact Hours: 4 per week

■ MEB333 BIOMATERIALS
Characterisation of materials; metallic, ceramic, polymeric implant materials; composites as biomaterials; structure-property relationships of biomaterials; tissue response to implants; soft tissue replacements; hard tissue replacements; transplants.

Courses: ME46
Prerequisites: MEB133 or MEB134
Credit Points: 8
Contact Hours: 3 per week

■ MEB336 MATERIALS TECHNOLOGY 2
Introduction to corrosion, introduction to fracture mechanics, linear elastic fracture mechanics (LEFM) and elastic plastic fracture mechanics (EPFM), fatigue crack growth and environmental fracture, characteristics and degradation of polymers, principles of materials selection.

Courses: IF56, ME35, ME45, ME47
Prerequisites: MEB133 or MEB134
Credit Points: 8
Contact Hours: 4 per week

■ MEB352 THERMODYNAMICS 1
Basics of engineering thermodynamics and heat engines; reversibility; first and second laws of thermodynamics; properties of liquid, vapour and gas; flow and non-flow processes; heat engine cycles; positive displacement expanders and compressors; multi-stage compressors; engine performance testing.

Courses: IF56, ME35, ME45, ME46, ME47
Credit Points: 8
Contact Hours: 4 per week

■ MEB355 THERMOFLUIDS
This unit introduces students to principles of heat transfer, fluid power and more advanced application of fluid mechanics and thermodynamics. Unsteady fluid flow; dynamic similarity; rotodynamic machines; hydraulic fluid power systems; Rankine cycle and its application in steam power generation industry; vapour compression; gas turbines.

Courses: MEB35
Credit Points: 8
Contact Hours: 3 per week

■ MEB362 THERMOFLUIDS
Fluid properties; forces on fluids at rest; definition and applications of the continuity equation, the momentum equation and the energy equation; isentropic compressible flow including boundary layer effects; first and second laws of thermodynamics.

Courses: EE43
Credit Points: 8
Contact Hours: 3 per week

■ MEB363 FLUIDS 1
Fluid properties; forces on a fluid at rest; manometry; fluid pressure on submerged bodies; equilibrium of floating bodies; concepts of fluid flow; pressure drop in pipes; power transmission through pipelines; momentum and fluid flow; energy equation and fluid flow; applications of the momentum and energy equations; branching of pipes.

Courses: IF56, ME35, ME45, ME46, ME47
Prerequisites: CEB184, PHB134, MAB188
Credit Points: 8
Contact Hours: 3 per week

■ MEB381 DESIGN 2
Methodology for mechanical design: design of machine elements; journal bearings; brakes; design for strength and fatigue; computer aided design.

Courses: ME35, ME45, ME47
Prerequisites: CEB184, MEB101 or MEB282, MEB121 or MEB181
Corequisites: MEB314
Credit Points: 8
Contact Hours: 4 per week

■ MEB454 AERODYNAMICS 1
Applied subsonic aerodynamics, visualisation of flow and pressure distributions about various sections in a free stream, the use of non-dimensional aerodynamic coefficients for the analysis of forces, moments and stability, the analysis of aircraft performance parameters.

Courses: EE43
Prerequisites: MEB362
Credit Points: 8
Contact Hours: 3 per week

■ MEB455 THERMODYNAMICS 2
Steam plant; nozzles; impulse and reaction turbines; gas turbines; mixtures; refrigeration; chemistry of combustion and water treatment.

Courses: ME45, ME47
Prerequisites: MEB352
Credit Points: 8
Contact Hours: 4 per week

■ MEB456 AIR CONDITIONING
Psychrometry; cooling load calculations; air conditioning systems; vapour compression refrigeration cycle analysis; multipressure systems; absorption refrigeration; field visits.

Courses: ME35, ME45
Prerequisites: MEB251 or MEB455, MEB462 or MEB466
Credit Points: 7
Contact Hours: 3 per week

■ MEB465 BIOFLUIDS
The basic principle of the mechanisms of viscous fluids and their application to the study of biological fluids. Course covers: continuity of flow; viscosity and its measurements; Newton’s law of measurement; non-Newtonian fluids; Navier-Stokes equations of motion; Eulerian and Lagrangian descriptions of flow; boundary layer theory; dimensional similarity; rheology and rheological models; rheology of biofluids; hemodynamics; artificial pumps, anaesthesia machines; heart-lung by-pass machines.

Courses: MEB46
Prerequisites: MEB363
Credit Points: 8
Contact Hours: 3 per week

■ MEB466 FLUIDS 2
Unsteady fluid flow in piping systems; dynamic similarity; regimes of incompressible flow around a body (potential and boundary layer flow); principles of operation of pumps, turbines and hydrokinetic devices; Navier-Stokes equations ap-
plied to viscous flow; compressible fluid flow including non-
mal shock waves.
Courses: ME35, ME45, ME47  Prerequisites: MEB363  Credit Points: 8  Contact Hours: 4 per week  ■ MEB473 MANUFACTURING ENGINEERING 1
Practical machining principles and operations; cutting tool
technology; analysis of tool wear and tool life; economics of
machining; introduction to CNC technology and NC part pro-
grammimg; non-traditional material cutting processes; princi-
pies of engineering metrology.
Courses: IF56, ME35, ME45, ME46, ME47  Credit Points: 8  Contact Hours: 4 per week  ■ MEB475 MANUFACTURING PROCESSES
Introduction to basic manufacturing processes; chip formation;
forces, power and velocity equations; fundamentals of turning,
milling, drilling and grinding operations; cutting tool materials
and geometry; cutting fluids and surface; tool life analysis and
selection of cutting conditions; introduction to metalworking
principles; classification and method of analysis of metal form-
ning processes; applications of these methods to forging, extru-
sion and rolling processes; introduction to sheet-metal forming
and non-traditional forming techniques; introduction of non-
traditional technologies including abrasive water jet cutting, laser
and use of rapid prototyping tools such as stereo-lithography
apparatus and its application in the medical field.
Courses: IF46  Credit Points: 8  Contact Hours: 3 per week  ■ MEB483 DESIGN 3
Design of mechanisms; basic structures; computer aided de-
sign.
Courses: IF53, IF56, ME45, ME47  Prerequisites: MEB111, MEB133 or MEB134, MEB314, MEB381  Credit Points: 8  Contact Hours: 3 per week  ■ MEB484 BIOENGINEERING DESIGN 1
Introduction to design methodology and problem solving; risk
and safety factors in design; types of bearing and bearing se-
lection; design of beams and shafts; type and choice of gear
mechanisms; human factors engineering; psychological fac-
tors in design of displays; bioengineering applications of de-
sign theory.
Courses: ME46  Prerequisites: MEB121 or MEB181, MEB212 or MEB213  Credit Points: 8  Contact Hours: 3 per week  ■ MEB490 PROJECT
Investigation and analysis of technological or managerial prob-
lems in medical engineering and presentation of a written re-
port.
Courses: ME46  Credit Points: 32  Contact Hours: 3 per week  ■ MEB501 PROJECT
A survey of relevant literature and organized experimental
work resulting in conclusions presented in a formal report.
Courses: ME35  Credit Points: 16  Contact Hours: 3 per week  ■ MEB503 SPECIAL TOPIC 1
A series of lectures and tutorials in areas which are of special
professional relevance to the student’s intended career path,
or which may be available on occasion from visiting scholars.
Courses: IF53, ME35, ME45, ME47  Prerequisites: Students to have achieved an appropriate level of
preparation in topic area concerned  Corequisites: Depending on the syllabus of the particular
special topic offered  Credit Points: 8  Contact Hours: 3 per week  ■ MEB513 STRESS ANALYSIS
Stress and strain in three-dimension; strain-gauge rosette
analysis; two-dimensional problems; axi-symmetrically loaded
problems; torsion of non-circular section; introduction to pla-
etes.
Courses: ME45, ME46, ME47  Prerequisites: MEB212 or MEB213, MAB488  Credit Points: 8  Contact Hours: 4 per week  ■ MEB514 NOISE & VIBRATIONS
Introduction to noise measurement and instrumentation; noise
levels, frequency and time, subjective noise levels, A-weight-
ing, Leq, SEL, noise dose, noise standards, N-C curves; sound
power level, directivity, reduction index, absorption coeffi-
cient; free field, reverberant field, semi-reverberant field,
Sabines equation, the behaviour of sound in rooms and enclo-
sure, barriers and partitions; free vibration, stiffness, damp-
ing and logarithmic decrement; forced vibration rotating
unbalance, whirling, support motion, vibration isolation and
transmission and resonance; normal mode of vibration, cou-
ping, multi-degree of freedom, vibration absorbers and damp-
ers; vibration analysis using Energy method, Holzer method
and Matrix iterations; introduction to computer based vibra-
tion programs.
Courses: ME45, ME47  Prerequisites: MAB488, MEB111  Credit Points: 8  Contact Hours: 4 per week  ■ MEB532 ADVANCED MATERIALS
Properties and applications for modern advanced composites;
fibre reinforcements of ceramic, metal and polymer materials.
Coatings of metals and ceramics by vapour deposition; plasma
and advanced techniques. Surface treatments for frictional and
wear performance. Properties of ultra high strength steels.
Courses: ME35, ME45, ME47  Prerequisites: MEB230 and MEB231 or MEB334 and
MEB430  Credit Points: 8  Contact Hours: 3 per week  ■ MEB551 PROPULSION & ENGINES
Performance of turboprops; turbofans; jet engines; ramjets;
pulsejets; scramjets and their components; engine efficiencies;
single and multistage rockets; liquid and solid propellant rock-
ets; specific impulse; burning time; thrust; thrust specific fuel
consumption.
Courses: EE43  Prerequisites: MEB362  Credit Points: 8  Contact Hours: 3 per week  ■ MEB553 AERODYNAMICS 2
Analysis of the inviscid incompressible flow about airfoils
and infinite wings, the compressible flow about supersonic and
transonic airfoils, and the compressible flow through super-
sonic nozzles and diffusers. The aerodynamic design require-
ments for supersonic and transonic airfoils and aircraft, the
effects of compressibility on aircraft performance.
Courses: EE43  Prerequisites: 454  Credit Points: 8  Contact Hours: 3 per week  ■ MEB554 HEAT TRANSFER
Conduction; steady-state, one and two dimensions, unsteady-
state; convection: physical principles and empirical relations
for forced and natural-convection systems; radiation heat trans-
ferr; condensing and boiling; heat exchangers and overall heat
transfer coefficients.
Courses: ME45, ME47  Prerequisites: MEB455, MEB462 or MEB466  Credit Points: 8  Contact Hours: 4 per week  ■ MEB572 MANUFACTURING ENGINEERING 2
Introduction to metalworking principles; hot and warm forg-
ing operations; extrusion operation; flat rolling operation; deep
drawing operation; shearing/blanking operation; spinning
operation; non-traditional metal forming operations; die/
moulds in manufacturing processes; introduction to casting of
ferrous and non-ferrous metals and alloys; shrinkage and
porosity; fluid flow and design considerations in casting.
Courses: IF53, IF56, ME35, ME45, ME46, ME47  Credit Points: 8  Contact Hours: 4 per week  ■ MEB580 BIOENGINEERING DESIGN 2
Effect of manufacturing processes on material properties and
product design; manufacturing tolerances; computer-aided design and solid modelling; effect of computer-aided manufacturing on component design; rapid prototyping techniques; use of prototypes in manufacturing; reverse engineering by non-invasive techniques; design/testing/prototyping/production cycle; application of design for manufacturing of bioengineering devices.

Courses: ME46
Credit Points: 8
Prerequisites: ME484
Contact Hours: 3 per week

■ MEB602 SPECIAL TOPIC 2
See MEB503 Special Topic 1
Courses: IF53, IF56, ME35, ME35, ME45, ME46, ME47
Prerequisites: Students to have achieved an appropriate level of preparation in topic area concerned
Corequisites: Depending on the syllabus of the particular special topic offered
Credit Points: 8
Contact Hours: 3 per week

■ MEB611 STABILITY & CONTROL OF AIRCRAFT
Courses: EE43
Credit Points: 8
Prerequisites: MEB553
Contact Hours: 3 per week

■ MEB612 MECHANICAL MEASUREMENTS
Stress and strain; force, torque and power measurements; vibration measurements; pressure and sound measurements; flow measurements; data transmission and recording.
Courses: ME35
Credit Points: 8
Contact Hours: 3 per week

■ MEB613 MECHANICS 2
Analysis of two-dimensional frames; small curvature beam theory; introduction to energy methods; introduction to matrix methods; free and forced vibration; damped vibration; energy methods in vibration analyses.
Courses: ME45, ME47
Prerequisites: CEB184, MEB111, MEB314, MEB213
Credit Points: 8
Contact Hours: 4 per week

■ MEB641 AUTOMATION 1
Mathematical models of mechanical systems; time domain; frequency domain; S-plane, including plotting of root locus diagrams.
Courses: IF53, IF56, ME45, ME46, ME47
Credit Points: 8
Contact Hours: 4 per week

■ MEB661 TRIBOLOGY
Terminology in lubrication, friction and wear; ploughing and adhesion components of friction; characterisation of solid surfaces; wear modes; chemistry of lubricants; lubrication modes; bearing design; lubrication of transmission elements; failure diagnosis; special lubrication problems; biological deterioration of lubricants; lubrication of human and prosthetic joints.
Courses: IF53, IF56, ME35, ME45, ME46, ME47
Credit Points: 8
Contact Hours: 4 per week

■ MEB662 FLUID POWER
Components of hydraulic and pneumatic systems; fluid power graphical symbols to Australian standards; fluid logic; hydraulic components; hydraulic system design; hydraulic circuits.
Courses: IF53, IF56, ME45, ME47
Prerequisites: MEB462 or MEB466
Credit Points: 8
Contact Hours: 4 per week

■ MEB672 TOTAL QUALITY MANAGEMENT
Total quality control and systems; quality engineering technology; statistical process control; product and systems reliability; ISO9000 and AS9000; management of engineering projects.
Courses: IF53, IF56, ME35, ME45, ME46, ME47
Credit Points: 8
Contact Hours: 3 per week

■ MEB676 DESIGN FOR MANUFACTURING 1
Introduction to design for manufacturing; introduction to solid modelling; techniques used in the development of solid models; use of solid modelling in rapid prototyping; solid modelling in the concurrent engineering environment; introduction to CAD/CAM; use of CAM computer software for different manufacturing processes; other rapid prototyping techniques such as stereo-lithography.
Courses: IF53, IF56, ME35
Credit Points: 8
Contact Hours: 3 per week

■ MEB678 PLASTICS TECHNOLOGY
Mechanical and Physical properties of polymers; low moulding, compression moulding, transfer and rotational moulding; extrusion and plastic injection moulding; tooling and product design for plastic components; machinery; process control and instrumentation in the plastics forming process.
Courses: IF56
Credit Points: 8
Contact Hours: 3 per week

■ MEB681 BIOENGINEERING DESIGN 3
Combines the theory of electrical circuits and mechanical components in the design of typical biomedical engineering devices. The course consists of case studies run by practicing Biomedical Engineers and includes; real-time data processing circuitry; operational amplifier design and application; filter selection and design; logic circuit design; electrical control circuits; design for safety and reliability; standards requirements; biomedical transducers and sensors; design of typical biomedical instruments.
Courses: ME46
Prerequisites: EEB202, EEB371, PHB504
Credit Points: 8
Contact Hours: 3 per week

■ MEB682 ADVANCED MECHANICAL DESIGN
The application of modern materials and analytical techniques to mechanical design: ease studies; statistical analysis of failures; application of material science in design; fracture mechanics; computer aided optimisation techniques.
Courses: ME35, ME45, ME46, ME47
Prerequisites: MEB230 and MEB231 or MEB334 and MEB430, MEB411, MEB483
Credit Points: 8
Contact Hours: 3 per week

■ MEB690 AIRCRAFT SYSTEMS
Design criteria and techniques of hydraulic, pneumatic and electrical circuits to provide the services to operate a modern aircraft, e.g. detailed analysis of under-carriage and flap systems; aircraft fuel systems; pressurisation systems; cockpit instrumentation and associated equipment; principles and operation of gyroscopes and accelerometers.
Courses: EE43
Credit Points: 8
Contact Hours: 4 per week

■ MEB691 BIOMECHANICAL MODELLING
Process of model creation (assumptions, methods, limitations, sensitivity, evaluation); methods of analysis of determinate biomechanical systems; methods of analysis of indeterminate biomechanical systems (including optimisation techniques); application of energy methods; model formulation and analysis of linked systems; finite element method; simulation techniques and examples of advanced applications.
Courses: ME46
Prerequisites: MEB111, MEB213, MEB333
Credit Points: 8
Contact Hours: 3 per week

■ MEB702 SPECIAL TOPIC 3
See MEB503 Special Topic 1
Courses: ME45, ME47
Prerequisites: Students to have achieved an appropriate level of preparation in topic area concerned
Corequisites: Depending on the syllabus of the particular special topic offered
Credit Points: 8
Contact Hours: 3 per week

■ MEB711 AUTOMATION 2
Use of the classical control theory taught in Automation 1 in solving problems of control system design. Emphasis shall be placed on the use of computer packages to analyse and tune the control system. An introduction to modern control theory also will be undertaken.
Courses: ME45, ME47
Prerequisites: MEB640 or MEB641
Credit Points: 8
Contact Hours: 4 per week

**MEB743 RELIABILITY & MAINTENANCE MANAGEMENT**
Overview of maintenance responsibilities and tasks; maintenance vision and mission; organisation for maintenance; creating a maintenance plan with reliability centred maintenance (RCM); real time maintenance planning and control; availability; maintainability; repair pools; spare parts inventory management; cost of downtime; downtime reduction; maintenance project planning; shutdowns/turmarounds; performance measures; documentation and document control; configuration management; computer based maintenance management systems; total productive maintenance (TPM); condition monitoring technology and management; budgetary control; performance measures; financial analysis for asset management.

Courses: EE43, IF56, ME35, ME46
Credit Points: 8
Contact Hours: 3 per week

**MEB775 TECHNOLOGY MANAGEMENT**
Ethics in business, policy and public service; health and safety administration and responsibilities; innovation, planning, creativity and intellectual property; planning and legal aspects of new technology and technology management.

Courses: ME45, ME47
Credit Points: 8
Contact Hours: 3 per week

**MEB776 DESIGN FOR MANUFACTURING 2**
The system of limits and fits; AS1654; geometric analysis for different features; interchangeableability and loop equations; geometric tolerancing; datum systems; basic features of jigs and fixture design.

Courses: IF53, IF56, ME35, ME45, ME47
Credit Points: 8
Contact Hours: 3 per week

**MEB777 OPERATIONS MANAGEMENT**
Forecasting analysis and inventory control; linear programming, distribution models of assignment and transportation problems; plan layout including the principles of work study; maintenance and Monte Carlo simulation.

Courses: EE43, IF53, IF56, ME35, ME45, ME47
Credit Points: 8
Contact Hours: 3 per week

**MEB778 CONCURRENT ENGINEERING**
The unit aims at introducing the student to the issues impacting product development and how the principles of concurrent engineering are used to reduce time to market for new products. Topics covered include: introduction to accelerated product development and formation of product development teams; Quality Function Deployment; design and project management; CAD and solid modelling; rapid prototyping; design for assembly and manufacture; electronic data interchange/CALS; product portfolio analysis; organisation; and FMEA/design of experiments. Technologies at QMI such as CAD, Ideas software, DFMA software and the stereo-lithography apparatus will be utilised in this unit.

Courses: IF56, IF53
Credit Points: 8
Contact Hours: 3 per week

**MEB780 REHABILITATION EQUIPMENT DESIGN & EVALUATION**
Functional requirements of orthoses; orthotic biomechanics; design and construction of orthoses; biomechanics of artifical limbs; alignments techniques; amputee socket design and manufacture; wheelchair design requirements; clinical evaluation of rehabilitation equipment.

Courses: ME46
Credit Points: 8
Contact Hours: 3 per week

**MEB790 SPACECRAFT & SATELLITE DESIGN**
Application of the theory of rigid body dynamics to the problem of spacecraft stabilisation and altitude control system design. Application of heat transfer theory to thermal control system design on spacecraft.

Courses: EE43
Prerequisites: EEB692
Credit Points: 8
Contact Hours: 3 per week

**MEB791 TISSUE MECHANICS**
Why model and experiment on biological tissue? large strain elasticity; rheological modeling and physical analogues of the soft and hard tissues of the human musculo-skeletal system; relationship between the collagenous arrangement and function of a biological material; introduction to the microscopic and phenomenological methods of tissue modeling; constitutive relationships and their importance to the engineering analysis of some biological tissues; bone mechanics and fracture; uses of large strain elasticity: modeling of skin, cardiac muscles, veins and arteries; modeling of tissues of the articulating joints of the musculo-skeletal system.

Courses: ME46
Prerequisites: MEB213, MEB333, MEB513
Credit Points: 8
Contact Hours: 3 per week

**MEB792 MEDICAL INFORMATICS**
Medical signal and image acquisition requirements and methods (e.g. X-ray, CT, MRI, ECG, EMG); signal conversion; digital filtering principles (convolution) fast Fourier transformation methods; data compression and storage techniques, three-dimensional reconstruction and display methods.

Courses: ME46
Prerequisites: CSB192, PHB504
Credit Points: 8
Contact Hours: 3 per week

**MEB801 PROJECT**
Investigate and present a formal report on a mechanical engineering problem; project may be industry based or arise from applied research.

Courses: ME45, ME47
Credit Points: 40
Contact Hours: 6 per week

**MEB802 PROJECT**
The student is required to investigate in depth and present a formal report on a problem area taken from the full range of mechanical engineering practice. Project may arise through investigation in applied research programs or specific topic from industry.

Courses: ME45
Credit Points: 32
Contact Hours: 6 per week

**MEB803 SPECIAL TOPIC 4**
See MEB503 Special Topic 1
Courses: IF56, ME45, ME46, ME47
Prerequisites: Students to have achieved an appropriate level of preparation in topic area concerned
Corequisites: Depending on the syllabus of the particular special topic offered
Credit Points: 8
Contact Hours: 3 per week

**MEB804 IMPLANT DESIGN**
Review of biocompatible materials for total joint replacement; determining design loads using biomechanical models; design for fixation in the body; lubrication and wear in joint replacements; methods of manufacturing joint replacements; methods of manufacturing joint replacements; requirements for instrumentation; quality assurance, clinical trials, implant tracking and retrieval (including failure analysis); relevant standards (AS, ISO, ASTM, BS); sterilisation methods and requirements; the future of orthopaedic joint replacements.

Courses: ME46
Prerequisites: MEB333, MEB513
Credit Points: 8
Contact Hours: 3 per week

**MEB811 INDUSTRIAL NOISE & VIBRATION**
Vibration measurements; spectrum analysis; Kortosis, Cepstrum and envelope analysis; averaging; gear, bearing and rotor vibration; whole body and arm vibration; noise measurements; noise power; industrial standards; attenuation methods.

Courses: IF53, ME45, ME45, ME47
Prerequisites: MEB613 or MEB512
Credit Points: 8
Contact Hours: 3 per week

**MEB871 COMPUTER CONTROL OF MANUFACTURING SYSTEMS**
Analysis of digital control systems and its application to proc-
ess monitoring; programmable controllers; control of manufacturing and information systems in manufacturing; integration and interfacing of machine tools; applications and control systems associated with industrial robots; communications networks for manufacturing including MAP/TOP.

Courses: IF53, IF56
Credit Points: 8
Contact Hours: 4 per week

■ MEB872 DESIGN FOR MANUFACTURING 3

Materials selection; design for manufacturing processes including casting, forging, extrusion, metal stamping, forming, powder metallurgy; welding and joining; design for assembly; design with advanced materials including plastics, ceramics and adhesives; electromechanical parts assembly; producibility, quality and cost considerations; introduction to tool design.

Courses: IF53, IF56
Credit Points: 8
Prerequisites: MEB776
Contact Hours: 3 per week

■ MEB873 COMPUTER INTEGRATED MANUFACTURING

Systematic approach to integrated manufacturing systems; product-centred approach to manufacturing process; concepts of cell manufacturing; flexible manufacturing systems; modelling and simulation as a manufacturing system design tool; modelling and simulation methodology; use of simulation software to evaluate manufacturing systems and their design.

Courses: IF53, IF56, ME35, ME45, ME47
Credit Points: 8
Contact Hours: 4 per week

■ MEB879 MANUFACTURING RESOURCES PLANNING

Manufacturing planning and control systems; recognising the various phases of planning in a manufacturing enterprise; lot size analysis and scheduling techniques; design aids and specifications of MRPII; measuring performances.

Courses: IF53, IF56
Credit Points: 8
Contact Hours: 3 per week

■ MEB891 HEALTH LEGISLATION & THE MEDICAL ENVIRONMENT

National and international legislative controlling bodies and codes; quality systems and good manufacturing practice; audit function and document trail; standards and compliance; law and medical products; hazard analysis and medical products; corrective actions and design change; recall (hospital and production).

Courses: ME46
Credit Points: 8
Contact Hours: 3 per week

■ MEB892 ROBOTICS IN HEALTH CARE

Components and terminology; dynamics of multi-linked systems; coordinate systems; mechanics and design of manipulators and end-effectors; servo system control theory; robotic sensors and location devices; computer programming of robots; anthropomorphic robots; applications of robots in surgery, rehabilitation and industry.

Courses: ME46
Credit Points: 8
Contact Hours: 3 per week

■ MEB901 INDUSTRY PROJECT

Students will work full-time in an industrial environment for approximately five months attempting to solve a particular problem in the organisation; student will present seminars and a final report.

Courses: IF53, IF56
Credit Points: 32
Contact Hours: 40

■ MEB912 FINITE ELEMENT ANALYSIS

Survey of engineering applications of finite element analysis; formulation of simple elements including isopermetric elements; modelling considerations for static and dynamic analyses; introduction to a finite element analysis package.

Courses: ME45, ME45, ME47
Credit Points: 8
Contact Hours: 3 per week

■ MEB940 KNOWLEDGE BASED MANUFACTURING SYSTEMS

Introduction to knowledge based systems (KBS); knowledge representation, inference methods and uncertainty; examples of KBS in process planning, production management, diagnostic systems; building a KBS.

Courses: IF53, IF56
Credit Points: 8
Contact Hours: 3 per week

■ MEB951 ENERGY & THE ENVIRONMENT

Developing an energy management plan; energy audits and associated metering; financial analysis; electricity and other tariffs; combustion theory and practice; fuel properties; energy cycles and refinement including co-generation; energy recovery methods and plant; pinch technology; building energy management; compressed air.

Courses: ME45, ME47
Credit Points: 8
Contact Hours: 3 per week

■ MEB952 PROCESS PLANT DESIGN

Industrial high pressure and temperature pipework system design; pressure vessel design methods; cooling towers; selected processes from unit operations; field visits.

Courses: ME35, ME35, ME45, ME47
Prerequisites: MEB251 or MEB455, MEB462 or MEB466
Corequisites: MEB513
Credit Points: 8
Contact Hours: 3 per week

■ MEB961 FLUID SYSTEMS DESIGN

Analysis and design of selected fan and duct and pipe and pump systems; performance characteristics of components and systems; field visits.

Courses: ME45, ME47
Credit Points: 8
Prerequisites: MEB464
Contact Hours: 3 per week

■ MEB983 INDUSTRIAL AUTOMATION

To provide basic fundamentals in robotics as well as introducing the history, theory, applications and the future development of robotics. Introduction to robotics; robot kinematics; robot control; robot applications; introduction to industrial automation.

Courses: IF53, IF56
Credit Points: 8
Contact Hours: 3 per week

■ MEB984 DESIGN OF POWER TRANSMISSION SYSTEMS

Design of systems for the transmission of mechanical power; solid elements: gears, clutches, belts, etc.; fluid elements: pneumatic and hydraulic.

Courses: ME45, ME47
Contact Hours: 3 per week

■ MEN170 SYSTEMS MODELLING & SIMULATION

The concept of a model and model building; techniques for the solution of the models; examples of analytical models such as inventory models, Markov chains, queuing models; simulation as a decision making tool; modelling for simulation and practical exercises in simulation using computer simulation software in the areas of manufacturing systems and maintenance.

Courses: ME75, ME76
Credit Points: 12
Contact Hours: 3 per week

■ MEN171 ADVANCED MANUFACTURING TECHNOLOGIES

Overview of manufacturing systems engineering and applications of advanced computer aided drafting and design; implementation of CAD/CAM systems using three-dimensional modelling techniques; classification systems for part family formation for production and tooling; benefits of computer aided process planning; introduction and installation of flexible manufacturing cells and systems including robotics, automated guiding vehicles, on-line computer aided inspection, automation integration, support technologies and planning for CIM.

Courses: ME75, ME76
Credit Points: 12
Contact Hours: 3 per week
MEN172 COST ANALYSIS & ASSET MANAGEMENT
The aim is to provide students with skills to: analyse cost and understand different costing methods and their implications; evaluate projects under different cost allocation methods; appreciate the role of variance analysis as a management tool; estimate cash flows; make lease versus buy decisions.
Courses: ME75, ME76
Credit Points: 12
Contact Hours: 3 per week

MEN175 ENERGY & ENVIRONMENTAL MANAGEMENT
Properties and testing methods of solid, liquid and gaseous fuels; combustion calculations; flue gas analysis; energy tariffs and audits; major applications of energy management, e.g. buildings, process plant, compressed air systems, vehicle fleets; economic evaluation of energy projects; introduction and management of energy-saving programs; field visit. Environmental aspects will be considered for each topic.
Courses: ME75, ME76
Credit Points: 12
Contact Hours: 3 per week

MEN177 TOTAL QUALITY MANAGEMENT
The aim is to provide students with an understanding of the underlying philosophy and practice of TQM including learning some basic tools for quality control. Topics covered include: basic understanding of the competitive strategy; the evolution of quality management; elements of quality management; continual improvements; customer measurements; managing change; total employee participation; bench marking.
Courses: ME75, ME76
Credit Points: 12
Contact Hours: 3 per week

MEN190 PROJECT
Substantial piece of work relevant to the course and carried out by each student on an individual basis; report is examined and marked by academic supervisor in consultation with industrial supervisor.
Courses: ME75, ME76
Credit Points: 12
Contact Hours: 3 per week

MEN241 RELIABILITY & MAINTENANCE MANAGEMENT
Overview of maintenance responsibilities and tasks; maintenance vision and mission; organisation for maintenance; creating a maintenance plan with reliability centred maintenance (RCM); real time maintenance planning and control; availability; maintainability; repair pools; spare parts inventory management; cost of downtime; downtime reduction; maintenance project planning; shutdowns/turnarounds; performance measures; documentation and document control; configuration management; computer based maintenance management systems; total productive maintenance (TPM); condition monitoring technology and management; budgetary control; performance measures; financial analysis for asset management.
Courses: ME75, ME76
Credit Points: 12
Contact Hours: 3 per week

MEN270 MANUFACTURING RESOURCE PLANNING
Functions and interrelationships between the three major components – production planning, operations planning and operations control – of a manufacturing requirements planning (MRP) system; practical exercises to provide hands on experience with a MRP system such as FACT.
Courses: ME75, ME76
Credit Points: 12
Contact Hours: 3 per week

MEN280 ENGINEERING PROJECT MANAGEMENT
Definition of project management; organisational structures for project management; planning the project; feasibility analysis; organising the project; legal aspects; project control; quality control.
Courses: BS93, ME75, ME76
Credit Points: 12
Contact Hours: 3 per week

MEP172 QUALITY PLANNING & COST ANALYSIS
Focus on planning for quality systems, especially QA systems; basic coverage of the costs of quality; quality terminology; SQC and the Deming philosophy; quality costs; the business plan; total quality management; the place of QA; quality improvement techniques; quality assurance, the essential requirements; quality manual, program and plan; setting and programming appropriate QA program; organisation for quality procedures; activities action and QA role for design, procurement and manufacturing, audit and corrective action.
Courses: BS93, IF69
Credit Points: 12
Contact Hours: 3 per week

MEP201 SAFETY TECHNOLOGY & PRACTICE
Overview of models of the accident phenomenon; technological background of potential hazards with electrical power; construction site mechanical equipment hazards and failure; failure modes of engineering materials; mechanical properties of engineering materials and their effect on failure mode.
Courses: HL88, PU65
Credit Points: 12
Contact Hours: 3 per week

MEP274 QUALITY SYSTEMS IMPLEMENTATION & MAINTENANCE
Expectations in relation to AS/NZS ISO9000 series of quality standards; system implementation principles, complexities and solutions; state purchasing policy; auditing objectives, philosophy, methodology and standard; attainment of an internal audit qualification through the Queensland Quality Centre; syndicate work involving presentations by groups of students on nominated aspects of the subject matter.
Courses: BS77, BS93, IF69, ME75
Credit Points: 12
Contact Hours: 3 per week

MEP373 RELIABILITY & MAINTENANCE MANAGEMENT
Overview of maintenance responsibilities and tasks; maintenance vision and mission; organisation for maintenance; creating a maintenance plan with reliability centred maintenance (RCM); real time maintenance planning and control; availability; maintainability; repair pools; spare parts inventory management; cost of downtime; downtime reduction; maintenance project planning; shutdowns/turnarounds; performance measures; documentation and document control; configuration management; computer based maintenance management systems; total productive maintenance (TPM); condition monitoring technology and management; budgetary control; performance measures; financial analysis for asset management.
Courses: BS93, IF69
Credit Points: 12
Contact Hours: 3 per week

MGB001 HUMAN RESOURCES & INDUSTRIAL RELATIONS
Influences impacting on human resource management and industrial relations in an engineering environment; theoretical foundation of human resource management and industrial relations.
Courses: ME35
Credit Points: 8
Incompatible with: HRB149

MGB002 INDUSTRIAL MANAGEMENT
The management process, planning, leading, organising, controlling; human resources management aspects of communication, motivation, leadership and teamwork, with practical applications to planning and control, personnel relations, job design.
Courses: EE43, ME45, ME46
Credit Points: 8
Incompatible with: HRB111

MGB004 MANAGING PEOPLE AT WORK
Introduction to the theory, process and practice of management and organisations with special reference to an engineering environment; importance of people in the achievement of...
The structures, functions and roles of the main industrial relationships institutions: courts, tribunals, unions and employer associations. Regulation of industrial relations by the state and management; various approaches to industrial relations theory and the causation, manifestation and resolution of industrial conflict.

Courses: B50, B56
Prerequisites: HRB131 or MGB207 and MGB211
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB114

MGB205 MACHINERY OF GOVERNMENT
Provides a detailed understanding of Australian government. Examines and compares mechanisms, processes and issues in the three levels of Australian government (national, state and local). Includes areas such as constitutional arrangements, intergovernmental agencies and relationships, government business enterprises, the public service, fiscal and legal administrative arrangements. Provides both a detailed knowledge of how government works in Australia, and an understanding of the dynamics of government processes.

Courses: B50, B56
Prerequisites: EPB124 or BSB114
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB135, EPB154, EPB167

MGB206 MANAGEMENT & ORGANISATION THEORY
Examines the historical and theoretical roots of management and organisation concepts and practices, and the way management and organisation have been constructed as fields of inquiry by both management practitioners and academics. Organisational theories explained in this unit include: Weber’s bureaucracy, stages of corporate development; transaction cost analysis; institutional and neo-institutional theory; population ecology; and various critical theories of organisation. Students have the opportunity to find out the strengths and limitations of management and organisational theories using a variety of critical approaches.

Courses: B50, B56
Prerequisites: BSB102 or MGB207 and MGB211
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB127

MGB207 MANAGING HUMAN RESOURCES
Key functions and processes in the management of human resources from the perspectives of the various stakeholders in the employment relationship, a strategic approach in a total environment context, human resources management and industrial relations in theoretical and applied senses.

Courses: B50, B56
Prerequisites: BSB115
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB131

MGB208 MANAGEMENT PROCESSES
This unit builds on theories of management encountered in introductory units. It has a focus on developing skills in the analysis of concepts and on practical application of management principles. It emphasises decision making in the context of strategic planning; development and adaptation of structure; control systems; process analysis. It also assesses organisations within a systems paradigm considered in an environment of change.

Courses: B50, IF52, IS43
Prerequisites: BSB102
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB126

MGB209 OCCUPATIONAL HEALTH & SAFETY MANAGEMENT
Health and safety management at work; hazard identification, risk management and evaluation, control strategies and implementation programs; legal frameworks, government policy and management strategies; safety audits and the management of health and safety functions.

Courses: B50, B56
Prerequisites: HRB131 or HRN104 or MGB207 and MGB211
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB126
■ **MGB210 OPERATIONS, PRODUCTION & SERVICE MANAGEMENT**
Extends general management philosophies to the production/operations customer sub-systems. The pivotal concept is the organisation as a dynamic system affected by both external and internal forces. Operations management narrows the focus to the sub-systems within the organisation that physically produces that organisation’s goods or services. Issues of quality and efficiency are considered analytically in terms of broader strategies and constraints.

**Courses:** B550, B556
**Prerequisites:** HRB130 and HRB131, or MGB207 and MGB211
**Credit Points:** 12
**Contact Hours:** 3 per week
**Incompatible with:** HRB129

■ **MGB211 ORGANISATIONAL BEHAVIOUR**
Impact that individual, group, and organisational characteristics have on behaviour within organisations. Theories, research and applications for understanding, predicting, changing behaviour and developing people in organisations. Topics include: abilities, learning, work motivation and attitudes, leadership, organisational cultures, as well as macro issues such as structure and culture.

**Courses:** B550, B556
**Prerequisites:** MGB207 and MGB211
**Credit Points:** 12
**Contact Hours:** 3 per week
**Incompatible with:** COB103, COB129

■ **MGB212 PERSPECTIVES ON ORGANISATIONS**
Current and potential ways of understanding and designing organisations from a theoretical and practical point of view; Western and Asian perspectives on organisations; the emergent organisation as well as the ‘designed’ organisation; introduction to selected design skills.

**Courses:** B550, B556
**Prerequisites:** MGB207 and MGB211
**Credit Points:** 12
**Contact Hours:** 3 per week
**Incompatible with:** COB103, COB129

■ **MGB213 PUBLIC SECTOR MANAGEMENT**
Provides a detailed understanding of the theories, mechanisms and practices of contemporary public sector management in Australia. Particular attention will be given to the problems and strains of public administration by examining its traditional foundations, structural dynamics, and the introduction of recent reforms. Examines the functions, operations and objectives of public sector management, including service delivery, finances and budget processes, marketing, performance review and evaluation, workplace issue and accountability. Students will develop a comprehensive and critical appraisal of the distinctive character and implications of contemporary public sector management.

**Courses:** B550, B556
**Prerequisites:** MGB205
**Credit Points:** 12
**Contact Hours:** 3 per week
**Incompatible with:** EPB162, HRB402

■ **MGB214 SOCIAL RESPONSIBILITY IN BUSINESS**
Critical ethical dilemmas which students are likely to face in their professional careers in change management and organisational design. Focuses on recognising, reasoning about, and dealing with such dilemmas, particularly using a behavioural approach: cross-cultural perspectives.

**Courses:** B550, B556
**Prerequisites:** BSB111 and MGB212
**Credit Points:** 12
**Contact Hours:** 3 per week
**Incompatible with:** COB105

■ **MGB215 SPECIAL TOPIC**
Allows students to undertake specialised study on a topic area relevant to particular needs. Permits an in-depth examination of an issue of importance. Content varies depending upon the issue examined, and the academic member(s) involved (including short-term visiting academics).

**Courses:** B550, B556
**Prerequisites:** As deemed appropriate to particular topic
**Credit Points:** 12
**Contact Hours:** 3 per week

■ **MGB216 TECHNOLOGY MANAGEMENT**
Explores the links between research, technical process, product innovation and management structure, policy and practice. Emphasises the consequences of changes to technologies for the organisation, for example, in information technology. It further examines the internal operation of organisations, with particular respect to management (of human, material and financial resources), technological innovations, and social change: the nature of product and process innovation, and technology transfer; intellectual property and licensing; evaluating technology; key technology areas (e.g., government policy and assistance) and research and development in technology.

**Courses:** B550, B556
**Prerequisites:** BSB102 or HRN104 or MGB211
**Credit Points:** 12
**Contact Hours:** 3 per week
**Incompatible with:** HRB140

■ **MGB217 TRAINING & DEVELOPMENT I**
Knowledge and competencies required of a beginning or an occasional trainer; theories, research and skill development; topics include: training in Australia; instructional models and theories of learning; training needs analysis; task analysis processes; basic training techniques: skill model, information giving model, discussion model; training aids/audiovisual; administering a training course; evaluating learning, writing and scoring test items; following-up training.

**Courses:** B550, B556
**Prerequisites:** HRN104 or completion of 84 credit points
**Credit Points:** 12
**Contact Hours:** 3 per week
**Incompatible with:** HRB120

■ **MGB218 VENTURE SKILLS**
The type of learning carried out in this unit relates specifically to skills required to manage ongoing business operations. The subject is designed to develop student skills in small business management and analysis. The analysis of business includes how to analyse aspects of existing small business operations.

**Courses:** B550, B556
**Prerequisites:** BSB110 and BSB115
**Credit Points:** 12
**Contact Hours:** 3 per week
**Incompatible with:** EPB159

■ **MGB219 WORK & SOCIETY**
The theoretical and research aspects of work and the organisation of work in industrialised society, the relationship with industrial relations processes and structures, examination of the various perspectives which deal with control systems, work practices and technical change.

**Courses:** B550, B556
**Prerequisites:** HRB131 or HRN105 or MGB207 and MGB211
**Credit Points:** 12
**Contact Hours:** 3 per week
**Incompatible with:** HRB138

■ **MGB300 ADVANCED ORGANISATIONAL BEHAVIOUR**
Investigates and analyses major organisational behaviour issues from the viewpoints of organisational effectiveness and quality of work life, using three frames: learning in organisations, actors in organisations, and organisations as political arenas. Thorough examination of literature and research, an emphasis on data gathering, analysis, and evaluation skills. Macro level issues are considered. Concepts are applied via case studies, surveys, and/or projects.

**Courses:** B550, B556
**Prerequisites:** HRB104 and HRB130 or 192 credit points, including MGB211 and MGB315
**Credit Points:** 12
**Contact Hours:** 3 per week
**Incompatible with:** HRB100

■ **MGB301 ADVOCACY**
Skills in preparing a case and conducting it before a variety of industrial tribunals, rules of evidence in Magistrates’ Courts, the Australian Industrial Relations Commission, and where rules of evidence do not apply, significant industrial legisla-
tion (industrial relations, workers' compensation, anti-discrimination, and workplace health and safety).

Courses: BS50, BS56
Prerequisites: HRB131 or HRN105 or MGB201 and MGB204
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB102

■ MGB302 COOPERATIVE ORGANISATION
The development of cooperative relations across social, organisational, cultural and geographical boundaries from a theoretical and practical point of view. Types of cooperative arrangement will be examined including networks, strategic alliances, social partnerships, cooperatives, and labour-management cooperation. Structural and behavioural issues will be addressed.

Courses: BS50, BS56
Prerequisites: MGB212
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: COB108

■ MGB303 ENTREPRENEURSHIP
Examines the processes of small business start up in terms of developing skills and knowledge entrepreneurship and new venture creation. Examines the entrepreneur in terms of entrepreneurial personality theories, entrepreneurial management and intrapreneurship. New venture creation deals with business planning and resourcing a business start-up. New venture creation develops skills and knowledge for students to analyse and manage the external environment of a small business start-up. Additionally students develop skills and knowledge on how to design and manage over time the internal operations and response to the external environment of a start-up firm.

Courses: BS50, BS56
Prerequisites: BSB102 or HRN104, or MGB207 and BSB110
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB116

■ MGB304 HUMAN RESOURCE PLANNING & INFORMATION SYSTEMS
Detailed examination of organisational strategy, business plans and link with human resource planning; quantitative and qualitative approaches to prediction. Careers, career management, succession planning, downsizing. Extensive reference to the role, design and use of computerised human resource information systems as the database facilitating human resource planning and managerial decision making.

Courses: BS50, BS56
Prerequisites: MGB328
Credit Points: 12
Contact Hours: 3 per week

■ MGB305 HUMAN RESOURCE MANAGEMENT STRATEGY & POLICY
This is the capstone of the HRM extended major. The primary objective is to integrate HR concepts and issues into the wider business and environmental context; a range of historical features, professional and ethical matters are considered; policy development and evaluation is examined; an experiential approach based in cases and/or simulations is adopted.

Courses: BS50, BS56
Prerequisites: HRB105 or HRN104 or completion of 96 credit points from HRM units
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB136

■ MGB306 INDEPENDENT STUDY
Enables students to demonstrate an ability to direct their own learning, a key competence for professionals who must keep themselves up to date in their area of expertise; students either individually or in small groups, undertake one or several learning activities with the approval of a supervisor; appropriate activities include literature review, research (mini-thesis), project, practicum (work placement), or alternative deemed acceptable by the supervisor.

Courses: BS50, BS56
Prerequisites: 192 credit points
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB151

■ MGB307 INTERNATIONAL HUMAN RESOURCE MANAGEMENT
Overviews international business management, and develops a strategic appreciation of the role of human resources management in an international context. Specific human resource processes are detailed, including: expatriate selection, cross-cultural training, management, and remuneration; global management; and the competencies required to manage a culturally diverse workforce, the relationship between international human resource management and international industrial relations, and contemporary research in international human resource management.

Courses: BS50, BS56
Prerequisites: HRB131 or HRN104 or MGB207 and MGB211
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB117

■ MGB308 INTERNATIONAL INDUSTRIAL RELATIONS
Industrial relations processes which operate under a range of social, economic, cultural and political arrangements; European and Pacific-rim systems.

Courses: BS50, BS56
Prerequisites: HRB131 or HRN105 or MGB219
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB150

■ MGB309 STRATEGIC MANAGEMENT
Presumes previous studies in management areas. Provides students with an ability to understand and participate in the formulation and implementation of management policy and strategy. Emphasises a critical analysis of the literature in the field of strategic management and the effect this has had on the processes adopted by different organisations. As a capstone unit, it gives students the opportunity to analyse synergies between the various strands of their major and to develop skills in influencing the strategic direction of organisations.

Courses: BS50, BS56
Prerequisites: BSB102 and HRB127 (recommended), or MGB303
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB125

■ MGB311 MANAGING CHANGE
Builds on introductory and intermediate units in management and is designed to equip managers with an understanding of the management of change in a variety of organisational and contextual settings. Explores the certainty of uncertainty and its implications for management. Emphasis is placed on developing change management skills, through a program of skills development embedded in a sound understanding of relevant theory.

Courses: BS50, BS56
Corequisites: MGB206
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: COB102

■ MGB312 NEGOTIATION & COLLECTIVE BARGAINING
Theory of negotiation, the basic concepts of integrative and distributive bargaining, process and phases of negotiation in practice, negotiating enterprise bargaining agreements.

Courses: BS50, BS56
Prerequisites: HRB131 or HRN105 or MGB201 and MGB204
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB102

■ MGB313 ORGANISATIONAL CHANGE & DEVELOPMENT
A range of interventions designed to improve an organisation’s capacity to actively adapt to its environment. Interventions oriented to various levels of analysis will be covered, e.g. individual, interpersonal, group, intergroup, organisational, and the organisation in its broader context.

Courses: BS50, BS56
Prerequisites: MGB314
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: COB102
MGB314 ORGANISATIONAL CONSULTING & COUNSELLING
Conceptual and theoretical bases of consulting and counselling; relationship building, diagnosis, intervention, and evaluation. Personal and interpersonal skills of the consultant/counsellor developed to a substantial level. Emphasis is placed on designing process to achieve outcomes.
Courses: BS50, BS56
Prerequisites: MGB207 and MGB211
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: COB102

MGB315 PERSONAL & PROFESSIONAL DEVELOPMENT
Develops personal, interpersonal and professional competencies (in both cognitive and affective domains) necessary in a human resource or management professional. Develops personal awareness and understanding, interpersonal competencies, and professional behaviour and ethics. Also examines influence processes, negotiation and conflict resolution, stress management and personal career management. Throughout, it emphasises the design of processes to achieve outcomes and skills of reflective practice.
Courses: BS50, BS56
Prerequisites: COB129 or HRB130 or HRN108 or MGB207 and MGB211
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB104

MGB316 POLICY IMPLEMENTATION & EVALUATION
Examines the implementation and evaluation of policies and strategies by examining appropriate frameworks, structures, dynamics and delivery systems. Conceptual developments in implementation and evaluation are applied to case studies of public policies, programs and national strategies. This unit explores both micro and macro analytical methodologies including the development of monitoring systems and performance indicators. Issues to be analysed include policy coordination, policy communities, institutional relationships and networks.
Courses: BS50, BS56
Prerequisites: EPB159 or MGB205
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB155

MGB317 POLITICAL & ADMINISTRATIVE ANALYSIS
Develops an understanding of the dynamic and contested relationship between political theory and the practices of government administration. Explores the central theoretical conceptions of the modern state (liberal-pluralist, elitist, variants of Marxism and the ‘new right’) which have been the main source of political and administrative analysis and debate. The emphasis is on the analytical and administrative insights of each perspective, although their ideological, political and institutional implications also will be examined.
Courses: BS50, BS56
Prerequisites: MGB205
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB100, EPB112, EPB156

MGB318 PUBLIC POLICY
Provides a thorough understanding of policy processes by means of a detailed study of relevant literature. Acts, and programs (i.e. policy instruments). Policy models and frameworks will assist students to understand how policy should be developed. Policy analysis frameworks will assist students to understand how policies are developed (i.e. the ‘is’/’ought’ dichotomy).
Courses: BS50, BS56
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB159

MGB319 QUALITY MANAGEMENT
Introduction to the role of quality in the modern organisation, relation between quality management and strategic management as a total management philosophy; international quality programs and implications for Australia; organising for quality.
Courses: BS50, BS56
Prerequisites: BSB102 or HRN104 or MGB210
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB403

MGB320 RECRUITMENT & SELECTION I
Draws on conceptual and research foundations established in MGB328. Examines the environment of recruitment and selection, especially legal requirements. Recruitment is considered from the perspective of both the organisation and the individual. Recruitment strategies are evaluated. Basic selection strategies are examined. Skills in planning and conducting interviews are developed. Technical issues include validity, reliability and utility analysis.
Courses: BS50, BS56
Prerequisites: HRB105 or HRP110 or MGB328
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB134

MGB321 RECRUITMENT & SELECTION II
Examines advanced selection strategies. Sophisticated use of biographical data; aptitude, ability, and personality testing; work samples; assessment centres; previous performance. Data manipulation and decision making processes. Selection for particular occupational groups. Workshop and experiential project activities.
Courses: BS50, BS56
Prerequisites: MGB320
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB134

MGB322 REMUNERATION MANAGEMENT
Examines remuneration management processes and practices in the environment of enterprise bargaining and employment contracts. Structure and effects of remuneration packages. Examination of range of types of remuneration, and the advantages and disadvantages of each. Remuneration in the context of organisation strategy and policy.
Courses: BS50, BS56
Prerequisites: MGB28
Credit Points: 12
Contact Hours: 3 per week

MGB323 SMALL BUSINESS MANAGEMENT
This unit examines the role and importance of small business in Australia. It includes detailed considerations concerning managing the growth phase, approaches to the management of a troubled firm and small business re-engineering management. Operational areas requiring attention in small business management are examined, as well as personal factors impinging on small business managers.
Courses: BS50, BS56
Prerequisites: BSB102 or HRN104 or MGB218
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB135

MGB324 THE VIRTUAL ORGANISATION
Organisational futures; working and managing in a real-time, no-boundaries context; interconnectedness; cultural diversity; role of technologies in the virtual organisation; implications for people and work futures.
Courses: BS50, BS56
Prerequisites: MGB212
Credit Points: 12
Contact Hours: 3 per week

MGB325 TRAINING & DEVELOPMENT II
Planning and programming management and supervisory development; career planning; developing a complete training program; advanced training techniques: case study, role play, laboratory training, simulations, games, programmed instruction, computer assisted instruction, individualised learning, video and learning; managing the training and development function; the competencies of a trainer. Experiential and project activities.
Courses: BS50, BS56
Prerequisites: HRB120 or MGB217
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRB101

MGB326 UNDERSTANDING ORGANISATIONS
Classical and contemporary theory and issues associated with understanding work, industry and organisation. Critical analy-
sis of formal organisations as an important social invention; economic explanations of organisation and industry, the behaviour of firms and work experience in them; critical review of theoretical perspectives on these issues.

Courses: BS50, BS56  Prerequisites: MGB212  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: COB103, COB129

MGB327 WAGES & EMPLOYMENT
Determination of wage and employment levels: the various types of labour markets; collective bargaining and skill formation processes; the relationship between these aspects and industrial relations institutions.

Courses: BS50, BS56  Prerequisites: HRB131 or HRN105 or MGB201 and MGB204  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: HRB137

MGB328 WORK & PERFORMANCE
Builds on material covered in MGB207, and focuses in depth on the theory and practice of job design and analysis, performance management, job evaluation, and remuneration management; examines the theoretical measurement and methodological foundations of human resource management.

Courses: BS50, BS56  Prerequisites: HRB131 or HRN104 or MGB207  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: HRB105

MGB329 WORKPLACE INDUSTRIAL RELATIONS
The various dimensions of traditional and contemporary workplace industrial relations including enterprise bargaining, the role of union delegates and joint shop committee consultation and participation structures and processes, custom and practice, and grievance and disciplinary procedures; the role of management and supervision, and policies and strategies in industrial relations.

Courses: BS50, BS56  Prerequisites: MGB219  Credit Points: 12  Contact Hours: 3 per week

MGN001 MANAGEMENT OF ENGINEERS
The staffing function: leadership and motivation principles and their application; time management; stress management, industrial relations systems and issues; personal and organisational communication; managing change; strategic management and the development of full, commercial business plans.

Courses: ME76  Prerequisites: PG only  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: HRN113

MGN400 AUSTRALIAN INDUSTRIAL RELATIONS
Industrial relations practices and policies; enterprise bargaining and industry awards; institutional framework of industrial relations practices in Australia.

Courses: BS30, BS74, BS93, GS70, GS80, GS81  Prerequisites: PG only  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: HRP104

MGN401 COMPARATIVE INDUSTRIAL RELATIONS
The main structures, processes and contexts relevant to industrial relations; comparative industrial democracy; the comparative method, international strategies and national performance; Japan, Sweden and Britain as industrial relations models.

Courses: BS30, BS74, BS93, GS70, GS80, GS81, IF64  Prerequisites: PG only  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: HRP100

MGN402 GOVERNMENT-BUSINESS RELATIONS
The relationship between government and business, especially in Australia; the historical development of the relationships that exist between the private and public sectors and of the impact that the policy decision of each has on the operations of the other. Case studies are used to explore these relationships and contemporary trends.

Courses: BS30, BS70, BS78, BS91, GS70, GS80, GS81  Prerequisites: PG only  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: EPN101

MGN405 INDUSTRIAL RELATIONS & THE ECONOMY
Economic and political context pertinent to industrial relations; aspects of theories of political economy related to labour and production; issues in political and economic strategies and policies relevant to industrial relations, for example, social welfare, income distribution and unemployment.

Courses: BS30, BS74, BS93, GS70, GS80, GS81, IF64  Prerequisites: PG only  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: HRP106

MGN406 INDUSTRIAL RELATIONS PRACTICES
Negotiation practices in industrial law; elements and techniques of advocacy; case preparation and research; industrial tribunal representation.

Courses: BS74  Prerequisites: PG only; HRP104  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: HRP105

MGN407 INDUSTRIAL RELATIONS STRATEGIES & POLICIES
Examination of policy formation in industrial relations at national and local levels in areas including wage policies, job security, job design, bargaining structure and union matters.

Courses: BS30, BS74, BS93, GS70, GS80, GS81, IF64  Prerequisites: PG only  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: HRP103

MGN408 INDUSTRIAL RELATIONS THEORY
The resolution and regulation of conflict in work and employment; theories of collective organisation; bipartisan and tripartite schema of labour market regulations and workplace processes.

Courses: BS74, BS78, BS81, ED23, GS70, GS80, IT25  Prerequisites: PG only  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: HRN104

MGN409 INTRODUCTION TO MANAGEMENT
The functions and roles of managers; concepts and principles and their practical applications; the key management functions; areas of planning, organising, staffing, directing and controlling; production/operations management and the management of quality; entrepreneurship and business planning; important problems, opportunities and trends facing managers in Australia analysed from the viewpoint of relevant academic disciplines.

Courses: BS74, BS78, BS81, ED23, GS70, GS80, IT25  Prerequisites: PG only  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: HRN104

MGN410 LABOUR-MANAGEMENT RELATIONS
Employee relations; employee and union action; the role of governments and industrial tribunals; alternative methods and pressures to change traditional Australian systems; the Australian system of labour-management relations; systems of regulation in the employment area; negotiating skills; the resources required for mobilising change in this area.

Courses: BS30, BS71, BS78, BS81, BS91, ED23, GS70, GS80, IF64  Prerequisites: PG only  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: HRN105

MGN411 MANAGEMENT OF SERVICE QUALITY
Application of quality management principles to services and processes in service operations and organisations; marketing; differentiation of services from products; implications for management.

Prerequisites: PG only
■ MGN404 BUSINESS POLICY
Develops a manager’s knowledge, analytical understanding and action-taking competencies. The paradigm adopted is that of strategic management: analyses of stakeholders, environments and capabilities, strategy formulation, and strategy implementation. Teaching methodologies emphasise the process of management as well as analysis, content and concepts. At the conclusion of this unit, students should understand how and why strategic decisions are made, and be prepared to make them.

Courses: BS70, BS81, BS86, IF64, IF66
Prerequisites: PG only; 72 credit points from MBA core or approval of Course Coordinator
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRN112

■ MGN505 CONSULTING & CHANGE MANAGEMENT
The origins, nature and effect of social change on individuals, organisations and communities; theories and models of change will be used to explore planned and unplanned changes currently occurring, particularly as these relate to possible futures; emphasis will be on the strategies and skills required to initiate and participate in effective change management.

Courses: BS93
Prerequisites: PG only; GSN208
Credit Points: 12
Contact Hours: 3 per week

■ MGN506 CONTEMPORARY ISSUES IN HRM
Postgraduate students need to be familiar with the contemporary issues and the current theoretical and practical developments within their field of specialisation. These matters need to be pursued at a level of intellectual rigour beyond that required for an undergraduate degree. The main objective of this unit is to identify, analyse and report on contemporary issues and the current theoretical and practical developments within their field of specialisation. These matters need to be pursued at a level of intellectual rigour beyond that required for an undergraduate degree.

Courses: BS62, BS83, BS63, BS92, BS93
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRN115

■ MGN507 CONTEMPORARY ISSUES IN MANAGEMENT
Students examine in detail advanced theory and issues from their chosen field of study. Such study may include an analysis of the historical developments in the field, interconnections with other fields, current significant issues and practices (including ethics), and advanced methodology and/or statistics relevant to the field. The content may vary according to
of those skills with two related objectives: (a) to examine a
analysis of policy content and policy process. It provides a basic
A central aim of the program is to develop skills in the analy-

MGN508 HRM CASES
Further development of students' capacity to analyse, evaluate and solve business problems and encourages them to de-
velop the facility for independent thought and critical analy-
sis. In this unit students are required to: (a) examine a HR
function in an organisation, and report observations; (b) re-
late these observations to relevant theory and recent research;
and (c) develop an integrated view of HR, including its func-
tions, processes, stakeholders, and environment. Finally, the
unit will focus on any conceptual, theoretical, research or prac-
tical material relevant to the cases.
Courses: B562, B583, B563, B592, B593
Prerequisites: PG only
Credit Points: 12
Incompatible with: HRN119
Contact Hours: 3 per week

MGN509 HUMAN RESOURCE MANAGEMENT
PROJECT I
This unit provides the opportunity for students to undertake an approved project to develop and enhance learning associ-
ated with the coursework elements of human resource manage-
mant.
Courses: B593
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week

MGN510 HUMAN RESOURCE MANAGEMENT
PROJECT II
This unit provides the opportunity for students to undertake an approved project to develop and enhance learning associ-
ated with the coursework elements of human resource manage-
mant.
Courses: B593
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week

MGN512 INDUSTRIAL RELATIONS & WORK
ORGANISATION
This unit will encourage students to develop critical aware-
ness of current debates in the area. It will also develop the
students' critical, analytical and intellectual powers at an ad-
vanced level. It will connect the social, organisational and leg-
islative aspects of industrial design relation within an analyti-
cal framework, and will enhance knowledge of workplace stud-
ies. Through this unit students are introduced to the social aspects of industrial organisation and industrial relations.
Workplace studies are included and associated legislative as-
pects. Concepts such as the new 'Managerialism' are explored.
Courses: B562, B583, B593
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: HRN117

MGN514 MANAGEMENT PROJECT I
This unit provides the opportunity for students to undertake an approved project to develop and enhance learning associ-
ated with the coursework elements of management.
Courses: B593
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week

MGN515 MANAGEMENT PROJECT II
This unit provides the opportunity for students to undertake an approved project to develop and enhance learning associ-
ated with the coursework elements of management.
Courses: B593
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week

MGN516 POLICY ANALYSIS
A central aim of the program is to develop skills in the analy-
sis of policy content and policy process. It provides a basic
methodological framework for the systematic development of those skills with two related objectives: (a) to examine a
range of models of public policy processes with a view to
determining their validity and utility, and (b) to develop a ca-
pacity for policy analysis, utilising a variety of conceptual
frameworks. Topics include: policy design, formation and im-
plementation, and theories of policy.
Courses: B562, B583, I64, B593, GS51, GS70, B530
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPN119

MGN517 PROGRAM MANAGEMENT &
EVALUATION
Understanding of program management and evaluation in the
public sector, with an emphasis on skills development; theory and methodology of evaluation research; qualitative and quan-
titative tools and the application of these to a public sector
program.
Courses: B562, B583, I64, B593, GS51, GS70, B530
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPN110

MGN520 RESEARCH DISSERTATION
All students undertake a research dissertation. Each student is assigned to a supervisor, subject to the approval of the Course
Coordinator, in consultation with the relevant Head of School. In general, the supervisor provides guidance in relation to the
selection, preparation and submission of the dissertation. Sup-
ervisors are appointed before students commence the research dissertation unit. The supervisor shall not be an examiner of the
dissertation. The dissertation is examined by an examin-
ing committee of at least three, appointed by the Dean, and
consists of at least two examiners, one of whom may be ex-
ternal to the university, plus the Course Coordinator, who acts
as chair of the committee.
Courses: I64
Prerequisites: PG only
Credit Points: 48
Incompatible with: B5N151

MGN521 RESEARCH METHODOLOGY
Equips students with a range of ideas and methods allowing
them to analyse, evaluate and conduct research in discipline
areas within the fields of study. Essential preparation for the
thesis. Areas include: science and knowledge – paradigms; analysis and criticism; research design; data collection; data man-
ipulation and interpretation; presentation.
Courses: B562, B583, B585, B563, B592
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: B5B400

MGN522 RESEARCH SEMINAR
Quality in policy research requires sound understanding of appropriate research methodologies, their design and im-
plementation. This unit is intended to help provide the student
with that understanding, tailored to the specific needs of indi-
vidual research dissertations. It provides a particular focus upon methods and techniques relevant to policy research.
Courses: B562, B578, B581, B583, I64, B563, B592
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPN118

MGN523 SCIENCE & TECHNOLOGY POLICY
This course assists students in understanding science and tech-
nology policy. It is structured into two parts. The first exam-
ines policy structures and processes whilst the second exam-
ines science and technology policy issues which are sector
specific. The latter part of this course has a particular focus on policy and the issues are sector specific. The latter part of
this course has a particular focus on policy and the commer-
cialisation of technology although issues relevant to other sec-
tors are also addressed.
Courses: B562, B578, B581, B593, I64, GS50, GS81, GS70, B530
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPN119
- **MGN524 SPECIAL TOPIC IN MANAGEMENT I**
  This unit allows students to undertake specialised study on a topic area relevant to particular needs. It permits an in-depth examination of an issue of importance. The content varies depending on the issue examined, the academic member(s) involved (including short-term visiting academics).
  Courses: B593  
  Prerequisites: PG only  
  Credit Points: 12  
  Contact Hours: 3 per week

- **MGN525 SPECIAL TOPIC IN MANAGEMENT II**
  This unit allows students to undertake specialised study on a topic area relevant to particular needs. It permits an in-depth examination of an issue of importance. The content varies depending on the issue examined, and the academic member(s) involved (including short-term visiting academics).
  Courses: B593  
  Prerequisites: PG only  
  Credit Points: 12  
  Contact Hours: 3 per week

- **MGN526 ADVANCED READINGS IN MANAGEMENT II**
  This unit permits students to explore in depth advanced theory, research and issues of practice in management.
  Courses: B593  
  Prerequisites: PG only  
  Credit Points: 12  
  Contact Hours: 3 per week
  Incompatible with: HRN118

- **MGN527 ADVANCED READINGS IN HUMAN RESOURCE MANAGEMENT II**
  This unit permits students to explore in depth advanced theory, research and issues of practice in human resource management.
  Courses: B593  
  Prerequisites: PG only  
  Credit Points: 12  
  Contact Hours: 3 per week

- **MGN528 SPECIAL TOPIC IN HRM I**
  This unit allows students to undertake specialised study on a topic area relevant to particular needs. It permits an in-depth examination of an issue of importance. The content varies depending on the issue examined, and the academic member(s) involved (including short-term visiting academics).
  Courses: B593  
  Prerequisites: PG only  
  Credit Points: 12  
  Contact Hours: 3

- **MGN529 SPECIAL TOPIC IN HRM II**
  This unit allows students to undertake specialised study on a topic area relevant to particular needs. It permits an in-depth examination of an issue of importance. The content varies depending on the issue examined, and the academic member(s) involved (including short-term visiting).
  Courses: B593  
  Prerequisites: PG only  
  Credit Points: 12  
  Contact Hours: 3

- **MGN600 DISSERTATION**
  This unit is a culmination of a research degree in that students apply theory and research material to explore in some depth an applied or theoretical topic in their chosen field. Students develop a research topic, collect information about that topic from primary and/or secondary sources, evaluate the evidence and arguments, and present the results of that critical assessment in an organised and logical form. The thesis consists of a substantial written report. Ordinarily this would involve a report of up to 60,000 words of examinable material for a 144 credit point thesis.
  Courses: B562, B583, B592  
  Prerequisites: PG only; BSN144  
  Credit Points: 12  
  Contact Hours: 3 per week
  Incompatible with: BSN144

- **MGN601 THESIS**
  This unit is a culmination of a research degree in that students apply theory and research material to explore in some depth an applied or theoretical topic in their chosen field. Students develop a research topic, collect information about that topic from primary and/or secondary sources, evaluate the evidence and arguments, and present the results of that critical assessment in an organised and logical form. The thesis consists of a substantial written report. Ordinarily this would involve a report of up to 60,000 words of examinable material for a 144 credit point thesis.
  Courses: B562, B583, B592  
  Prerequisites: PG only; BSN144  
  Credit Points: 12  
  Contact Hours: 3 per week
  Incompatible with: BSN145

- **MIB200 ASIAN BUSINESS DEVELOPMENT**
  In this subject students will undertake an analysis of economic change in Asia since 1820. Material presented will cover the response of Japan, China and Southeast Asia to European intrusion and the growth of the international economy. Topics studied will include: the economic consequences of colonisation; the impact of war; technological change; ideology and development policies; ASEAN; the rise of the NICs.
  Courses: B550, B556, IF40, IF41  
  Prerequisites: BSB116  
  Credit Points: 12  
  Contact Hours: 3 per week
  Incompatible with: EPB105

- **MIB201 AUSTRALIAN EXTERNAL AFFAIRS & BUSINESS**
  Australian business exists within a complex and dynamic global environment. An important part of the structure of that environment, especially as regards access to various national markets, is determined by national governments and a range of international agreements entered into by those governments. Australian governments play a vital role, through their various external affairs policies, in this system. The aim of this unit is to provide students with an understanding of external affairs policies in relation to business, their development and implementation.
  Courses: B550, B556  
  Prerequisites: BSB114  
  Credit Points: 12  
  Contact Hours: 3 per week
  Incompatible with: EPB131

- **MIB202 BUSINESS & THE WORLD ECONOMY**
  The focus of this unit is on the application of concepts from economics to the trade and finance problems of the international economy and their relationship to business. Topics covered include determination of a country’s comparative and competitive advantage in international trade in a variety of industries. The economics and politics of trade policy, the multinational firm, trading blocs, strategic trade policy and the relationship between industries performance, trade and trade policy, International monetary arrangement (gold standard, Bretton Woods System, flexible exchange rates, currency reform); the role of political institutions in economic development (EMS, Maastricht Treaty), international debt and the increasing importance of emerging equity markets will be considered.
  Courses: B550, B556, IF40, IF41  
  Prerequisites: BSB116 and BSB113 or EPB172 or EPB140 or EPB150  
  Credit Points: 12  
  Contact Hours: 3 per week
  Incompatible with: EPB132

- **MIB203 COMPARATIVE REGULATORY SYSTEMS**
  This unit is intended to provide the student with an understanding of the regulatory systems within which businesses operate, on a comparative and international basis. It examines the need for, and the development of, regulatory systems, fol-
owed by an examination of regulatory systems in relation to: individual and organisational transactions; business structures; the roles and duties of managers and employees in the workplace; capital; a selection of major industries; and theories of regulation.

**Courses:** BS50, BS56, IF41

**Prerequisites:** MIB214 or EPB124

**Credit Points:** 12  
**Contact Hours:** 3 per week

**MIB204 CONSUMER BEHAVIOUR**

The field of consumer behaviour is young and dynamic. Its focus is the goods and services bought and used, and the ways in which these fit into individual lifestyles. The unit examines how individual characteristics such as motives, personality, lifestyles and attitudes; social variables such as culture, social class, and groups and situational variables can influence our decision making process and how this relates to marketing strategy.

**Courses:** BS50, BS56, IF56, IF41

**Prerequisites:** MIB217 or MKB141

**Credit Points:** 12  
**Contact Hours:** 3 per week

**Incompatible with:** MKB142

**MIB205 CROSS CULTURAL COMMUNICATION & NEGOTIATION**

This unit will analyse the complex interdependence between cultures, management philosophies, corporate strategies and business negotiations. It is designed to develop skills in managing and negotiating in the Asia-Pacific environment. The unit will assess the relationships among values, significant religions (e.g. Confucian ethics, Islam) and managerial and corporate communications behaviour in diverse environments; it will discuss communications, negotiation and management problems; and deal with socio-culture issues and behaviours which impact upon international firms.

**Courses:** BS50, BS56  
**Prerequisites:** BSB117 or COB160

**Credit Points:** 12  
**Contact Hours:** 3 per week

**MIB207 ECONOMICS OF INFORMATION**

This unit will provide students with an understanding of the economics of information in an age when the production of and control of, information is of increasing importance. A variety of topics are covered, including: information as a commodity; the demand for information; the economics of the production of information; the costs of information; the cost, pricing and charging out of information within organisations; the market supply of information; information technology and supply curve, the structure of the information of industry; information and industry concentration; public good characteristics of information; government intervention and economic impacts.

**Courses:** BS50, BS56  
**Prerequisites:** BSB113 or EPB172 or EPB140 or EPB150

**Credit Points:** 12  
**Contact Hours:** 3 per week

**Incompatible with:** EPB169

**MIB208 EUROPEAN BUSINESS DEVELOPMENT**

This subject will provide a survey of the economic development of Europe up to the Second World War focusing on the major factors involved in that development and their impact on business. Topics covered will include: demographic change; agriculture; trade and colonisation; transport and communications; financial institutions and capital accumulation; intellectual and religious movements; economic theories; the role of government; war and revolution; industrialisation; big business; the Great Depression and social change. Various countries will be used as case studies to illustrate the topics.

**Courses:** BS50, BS56, IF40, IF41  
**Prerequisites:** BSB116

**Credit Points:** 12  
**Contact Hours:** 3 per week

**Incompatible with:** EPB120

**MIB209 EVENTS MARKETING**

This unit emphasises the significance of special events as tourism offerings which contribute to destination development. The scope of the special events industry and event typologies (including cultural, heritage, sporting and others), within the categories of hallmark, corporate and community based events are reviewed. Research of the marketing environment in which special events occur and analyses of markets and stakeholders will be examined relative to developing integrated marketing strategies. Segmentation of events markets, target marketing and positioning strategies will be studied in the context of special events. The unit will focus on strategic marketing of events relevant to tourism and cultural growth. Marketing communication elements and the sponsorship function are highlighted in this context.

**Courses:** BS50, BS56, IF56  
**Prerequisites:** MIB217 or MKB141 or an equivalent unit, with the approval of the Subject Area Coordinator

**Credit Points:** 12  
**Contact Hours:** 3 per week

**MIB210 EXPORT MANAGEMENT**

This unit is aimed at providing the student with a fundamental understanding of how to plan, organise implement and control the export operations of an Australian business enterprise. The unit is highly applied and covers a range of topics which focus upon the managerial aspects of exporting goods and services to overseas markets. The managerial issues include: an understanding of the internationalisation process, export planning steps, intermediary decisions, transportation/insurance management issues, domestic and overseas regulatory aspects, and an investigation of overseas contemporary export management practices.

**Courses:** BS50, BS56, IF56  
**Prerequisites:** BSB116

**Credit Points:** 12  
**Contact Hours:** 3 per week

**Incompatible with:** MKB143

**MIB211 GLOBALISATION & BUSINESS**

This unit aims to introduce students to the nature of the international systems impacting upon business. It adopts an historical and thematic approach that traces the development of dominant factors over time, regions and industries. Specific issues include: the nature and extent of globalisation; the changing world economy; politics, business and the nation state; transnational corporations and the changing pattern of production, trade, investment; the internationalisation of key industries and sectors such as automobiles, electronics and services.

**Courses:** BS50, BS56  
**Prerequisites:** BSB116

**Credit Points:** 12  
**Contact Hours:** 3 per week

**Incompatible with:** EPB133

**MIB212 INDUSTRY & REGIONAL ANALYSIS**

The aim of this unit is to analyse the nature and structure of industry in national and international contexts in order to provide a suitable framework that can be used by students in the study of the specific industries they select for examination. Topics examined include: interindustry dependencies; regional and interregional linkages; demand analysis; transactions in information, goods, services and other products; network analysis; strategies in structured markets.

**Courses:** BS50, BS56  
**Prerequisites:** BSB116

**Credit Points:** 12  
**Contact Hours:** 3 per week

**MIB213 INTERNATIONAL MARKETING**

The aim of this unit is to provide students with a thorough understanding of the multiplicity of issues which impact on the development of international marketing strategies and plans and their operational implementation. The unit is highly applied and provides students with an opportunity to understand the importance of international marketing; examine and analyse environmental forces influencing international marketing decisions; screen, select and segment priority markets; be aware of the methodological issues involved in primary market research; design and develop an operationally sound international marketing plan; study the role of marketing strategy in the globalisation of business.

**Courses:** BS50, BS56, IF56, IF41  
**Prerequisites:** MIB217 or MKB141

**Credit Points:** 12  
**Contact Hours:** 3 per week

**Incompatible with:** MKB149
■ MIB214 MANAGEMENT OF SPORT & RECREATION
This subject will examine the development of sports and recreation management in an increasingly competitive and global leisure environment. It will examine the full range of management functions in the sports and recreation context, aiming to provide the student with a comprehensive understanding of those functions in this applied context. Both continuing and special event environments will be investigated, with an emphasis upon project planning and control. Extensive use of case materials will illustrate the diversity characteristic of this sector.
Courses: BS50, BS56
Credit Points: 12
Incompatible with: MIB222
Contact Hours: 3 per week

■ MIB215 MARKETING LOGISTICS
Marketing logistics is concerned with the planning, development, maintenance and control of the system of supply and distribution activities that place the organisation’s product or service in the hands of its customers. The subject is designed to enable students to: understand the importance of logistics; and make improvements that will increase customer service and reduce distribution costs. The subject involves the application of mainly quantitative models and techniques concerned with product flow from producer to consumer and covers: purchasing and procurement, manufacturing and distribution strategies, quality, inventory costs and control, warehousing and transportation, project network analysis, location and logistics planning. Plant visits are an important part of the learning process.
Courses: BS50, BS56, IF56, IF40
Credit Points: 12
Incompatible with: MKB136
Prerequisites: credit points of the unit, MIB217 or MIB141
Contact Hours: 3 per week

■ MIB216 MARKETING DECISION MAKING
This unit provides a detailed examination of decisions in specific tactical and strategic areas of marketing and marketing management. These areas include sales forecasting, market analysis, product planning, pricing, promotion, distribution and other market decisions. Decisions are viewed from quantitative perspectives with emphasis on computer models and spreadsheets. A primary part of the course may be devoted to a computer-based marketing simulation which provides a realistic decision-making environment.
Courses: BS50, BS56, IF56, IF40
Credit Points: 12
Prerequisites: credit points of the unit, MIB217 or MIB141
Incompatible with: MKB148
Contact Hours: 3 per week

■ MIB217 MARKETING MANAGEMENT
The unit extends the student’s knowledge of the fundamental principles covered in the foundation unit in the degree (Marketing & International Business) and focuses on the application of these concepts and theories within the business environment. Emphasis is on the role of the Marketing Manager at the Strategic Business Unit/Product Manager level with regard to their responsibilities in planning, developing and managing marketing activities. The subject simplifies through the development of a marketing plan incorporating the pivotal steps of: environmental analysis; market segmentation, targeting and positioning; product development and management; the implementation issues in promotion, distribution and pricing.
Courses: BS50, BS56, IF56, IF40, IF41
Credit Points: 12
Incompatible with: MKB141
Prerequisites: credit points of the unit, MKB140
Contact Hours: 3 per week

■ MIB218 MARKETING SPORT & RECREATION
This subject will encompass the development of sports marketing strategies in an increasingly competitive and global leisure environment. In addition to product development, pricing and distribution elements, the subject will emphasise the importance of innovative promotion and sponsorship plans. Principles of sports marketing will be supported by case analyses and guest lecturers from the sports sector.
Courses: BS50, BS56
Credit Points: 12
Incompatible with: MIB217
Prerequisites: credit points of the unit, MIB217
Contact Hours: 3 per week

■ MIB219 NORTH AMERICAN BUSINESS DEVELOPMENT
The aim of this unit is to provide the student with an understanding of the development of business and industry in the North American context since 1945. It will describe major patterns in the development of business, and the major social, economic, political and cultural factors determining those trends. Topics covered will include: the impact of the Second World War; capital and finance in American business development; agricultural developments; manufacturing industry; the rise of the service sector; transport and distribution; communications and media.
Courses: BS50, BS56, IF41
Credit Points: 12
Incompatible with: EPB173
Prerequisites: credit points of the unit, MIB217
Contact Hours: 3 per week

■ MIB220 ORGANISATIONAL MARKETS (BUSINESS TO BUSINESS MARKETING)
This subject addresses the special requirements and buyer behaviour of large-scale, bulk-buying customers, such as industrial, resellers and government buyers. There is growing recognition in marketing education that these markets constitute a powerful and essential part of world economy, being the preliminary source for retailing and manufacturing operations and the force behind major services sectors in supplying government and non-government services, including health, education and works. As such, organisational markets are the driving factor behind the economy’s health, nationally and internationally.
Courses: BS50, BS56
Credit Points: 12
Prerequisites: credit points of the unit, MIB217 or MKB141
Incompatible with: MKB148
Contact Hours: 3 per week

■ MIB221 RETAIL INDUSTRY
The aim of this unit is to provide a detailed examination of the nature of the retail sector in Australia. It will commence with an examination of the development of the sector in the post 1945 era, followed by an examination of contemporary trends and issues. Students will have the opportunity of focusing on a particular segment of this very complex industry in order to develop a specialised understanding.
Courses: BS50, BS56
Credit Points: 12
Prerequisites: credit points of the unit, BSB116 and BSB113
Incompatible with: MKB148
Contact Hours: 3 per week

■ MIB222 SPORT & RECREATION INDUSTRIES
This subject will examine the diverse organisations (private, public and not-for-profit) which comprise the sport and recreation industries; patterns of leisure behaviour and consumption; relationship between sport/recreation work and the economy; impacts of media, the environment, changing demographics and globalisation on the business of sport and recreation.
Courses: BS56
Credit Points: 12
Prerequisites: credit points of the unit, BSB116 and BSB115 or BSB102
Incompatible with: MKB148
Contact Hours: 3 per week

■ MIB223 TECHNOLOGY & INTERNATIONAL BUSINESS
This unit introduces the student to a conceptual analysis of evolution, the creation of knowledge, and the impact of technology in shaping the economic and commercial strategic agenda of the firm in the international environment. It concentrates on the determining factors of technology, the measurement of impact and patterns of development at a global level.
Courses: BS50, BS56
Credit Points: 12
Prerequisites: credit points of the unit, EPB116 or EPB140 or EPB150
Incompatible with: MIB224
Contact Hours: 3 per week

■ MIB224 TECHNOLOGY & MARKETING
This unit examines the impact of technology and technological change on modern marketing and marketing systems. New technology is forcing significant change in many traditional marketing processes, while at the same time providing unique opportunities for gaining access to customers and vital market data. The unit covers an assessment of the overall impact.
of new technology on marketing; planning and using database marketing techniques; the impact of information technology on marketing; using expert marketing systems technology and the role of the global information super highway and its impact on contemporary marketing practice. The unit is essentially applied and is taught using case studies, hands on computer laboratory work and individual projects for relevant work organisations.

Courses: B550, BS56
Credit Points: 12
Prerequisites: MIB217
Contact Hours: 3 per week

■ MIB225 TOURISM
This unit will provide a detailed understanding of tourism in the domestic and international contexts, and their interaction. It will focus upon: the developing nature of tourism products and services; the significance of tourism in the domestic and international economies; tourism as a market process; government and tourism; managing tourism ventures; cultural and environmental dimensions of tourism; and contemporary issues and trends.

Courses: B550, BS56, IF56, IF41
Prerequisites: BSB113 and BSB115 or BSB102 and any Economics unit
Credit Points: 12
Contact Hours: 3 per week

■ MIB226 TOURISM MARKETING
This unit explores services marketing within tourism contexts. It provides students with detailed understanding of the issues affecting the marketing of tourism destinations, elements of the destination mix and various tourist attractions. Services marketing techniques are explored within key elements of the destination mix at the regional, state, national and international levels.

Courses: B550, BS56, IF56, IF41
Prerequisites: MIB217 or MKB141
Credit Points: 12
Contact Hours: 3 per week

■ MIB300 CONTEMPORARY BUSINESS IN EUROPE
The aim of this unit is to examine major issues in relation to business in contemporary Europe. It will build upon the historical understanding established in MIB208. The focus is a description and analysis of contemporary developments in relation to business, including: the growth of regional cooperation in Europe; business and regional cooperation; European Union policies and business; developments and opportunities in Eastern Europe; case studies in trading with Europe.

Courses: B550, BS56, IF40, IF41
Prerequisites: MIB208 or EPB120
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPB121

■ MIB301 CONTEMPORARY BUSINESS IN NORTH AMERICA
The aim of this unit is to examine major issues in relation to business in contemporary North America, with a primary focus upon the USA. It will build upon the historical understanding developed in MIB219. The unit commences with an examination of current macroeconomic and industry trends, and government policies in relation to business. It moves on to examine financial markets, North American businesses in world trade and finance, NAFTA and its impact, USA-Japan relations, and Australia-North American trade relationships.

Courses: B550, BS56, IF41
Prerequisites: MIB219
Credit Points: 12
Contact Hours: 3 per week

■ MIB302 CULTURAL INDUSTRIES ANALYSIS
The objectives of this subject are to provide students with an understanding of the structure, conduct and performance of the cultural and artistic sector of our economy and develop and apply appropriate marketing skills and strategy for that sector. Topic areas include the development and structure of cultural industries and institutions, funding and subvention, estimating demand for cultural products, pricing arts products, corporate philanthropic practices, relationship marketing in the arts, the value of public cultural goods, trade leverage from cultural goods and an introduction to cultural economics.

Courses: B550, BS56
Prerequisites: BSB113 and MIB212
Credit Points: 12
Contact Hours: 3 per week

■ MIB303 INTERNATIONAL LOGISTICS
This unit builds upon MIB215. It provides an overview of international trade and then focuses upon: managing international distribution channels; network links; transport modes and modal interface systems; transport regulations; sourcing and supply of components; location of manufacturing plants and warehouses; information, communication; cost management; network audit and evaluation.

Courses: BS56
Prerequisites: MIB215
Credit Points: 12
Contact Hours: 3 per week

■ MIB305 MARKET RESEARCH
The purpose of this subject is to provide students with a sound theoretical base in market research and to examine the practical problems encountered in the field. Its objectives are: to ensure students gain the knowledge to effectively buy and use market research; to give students the basic skills necessary to undertake simple market research projects; and to introduce more advanced market research subjects.

Courses: B550, BS56, IF56, IF40, IF41
Prerequisites: EFB101 and MIB217 or MKB141
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB151

■ MIB307 PRODUCT INNOVATION & MARKET DEVELOPMENT
This subject deals with the dynamics of product innovation and product development within the mix of core marketing activities in organisations operating in both national and international markets. Products are defined in the broadest sense to include both tangible and intangible and the various categories of consumer, industrial, services, events and so on. The course covers such areas as product market analysis, design, innovation, research and testing, branding and packaging, and investment analysis. The learning methodology will be mostly experiential and will include some hands-on computer usage, visits to industry where relevant and specific practical exercises.

Courses: B550, BS56, IF56
Prerequisites: MIB217 or MKB141
Credit Points: 12
Contact Hours: 3 per week

■ MIB308 PROFESSIONAL MARKETING PRACTICE
The aim of this unit is to provide the student with experience of professional practice in a suitable company where they actively work on a part-time basis. Students undertake a preferred study program within the marketing framework. Students are required to submit a number of reports reflecting the theoretical concepts acquired during the degree program and how they might be applied in practice. The study program is drawn up in consultation with and on the approval of the lecturer.

Courses: B550, BS56, IF56
Prerequisites: MIB305 or MKB151
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB153

■ MIB309 PROMOTIONAL STRATEGY
This unit provides critical understandings of the linkage between the nature of marketing strategies adopted and decision making about the marketing or promotional strategy. There is a definite need for the marketing graduate to fully understand the characteristics of the market environment and business and marketing strategies in order to have an adequate information base to decide message positioning, choice of marketing communication or promotional mediums and balance of expenditure across these mediums. Such a unit will clearly enable students to both grasp theoretical and practical skills with regard to this essential marketing element.

Courses: B550, BS56, IF56
Prerequisites: MIB217 or MKB141
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB152
■ MIB310 RETAIL MARKETING
This unit is an introduction to the dynamics of the retailing industry. It provides the student with detailed knowledge of the way retail marketing is conducted nationally and internationally from both strategic and operational perspectives. The unit provides a balance of theory and application in topics such as retail institutions and the retail life cycle, macro and micro store location analysis, store layout, planning and design, merchandising promotion and stock planning, franchising and industry trends. Field trips and in-store projects are an integral part of the learning process.
Courses: BS50, BS56, IF56
Prerequisites: MIB217 or MKB141
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB145

■ MIB311 SERVICES MARKETING
This subject is concerned with the special characteristics of services and the marketing strategies needed to deal with those characteristics. Topics covered include the nature and classification of services; the differences between services and products and their implications for marketing strategy; the concept of productivity for services including the management of demand and supply; the search for service quality; customer service; distribution; and international trade in services.
Courses: BS50, BS56, IF56, IF40
Prerequisites: MIB217 or MKB141
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB146

■ MIB312 SPECIAL TOPIC IN INTERNATIONAL BUSINESS
This is intended to be an ‘open-ended’ unit where the opportunity will be available for staff and visiting scholars to offer a specialised program of study.
Courses: BS56
Prerequisites: MIB203
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPN110 unless the permission of the Course Coordinator is gained

■ MIB313 SPECIAL TOPIC IN MARKETING
This is intended to be an ‘open-ended’ unit where the opportunity will be available for staff and visiting scholars to offer a specialised program of study.
Courses: BS56
Prerequisites: MIB217
Credit Points: 12
Contact Hours: 3 per week

■ MIB314 STRATEGIC BUSINESS ANALYSIS
A knowledge of international and domestic industry trends and their specific impacts upon the organisation provides the basic data for the development of flexible strategic visions and plans. The aim of this unit is to provide an examination of major paradigms in strategic formulation and implementation, and to develop a synthesis of competing prescriptive and descriptive approaches. It will enable the development of an integrating framework to explore why organisations differ and how these differences, in terms of individual competencies and organisational capacities, provide for sustainable competitive advantage in domestic and international markets.
Courses: BS50, BS56
Prerequisites: MIB212 or MGB208 or MGB206
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: Business Policy or Strategic Management units from the Management Core Major

■ MIB315 STRATEGIC MARKETING
Strategic Marketing is the capstone marketing unit. Students are exposed to a variety of advanced marketing techniques and issues through lectures, seminars and case studies. Topics include: determining what marketing strategy can realistically accomplish for a business; identifying underlying factors that must be considered in developing marketing strategy; discussion of problems and their solution for successful marketing strategy implementation; bringing in the customer focus in developing marketing strategy; organising for successful strategy implementation.
Courses: BS50, BS56, IF56, IF40, IF41
Prerequisites: MIB217 or MKB141
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKB155

■ MIB316 TOURISM DEVELOPMENT
The operation and development of tourism markets is the central concern of this unit, building upon the base provided in MIB225. It focuses upon product and service development, demand and market strategies, using a variety of case study materials and analytical methods. At the completion of the unit the student will have an understanding of the economic context of tourism, the development of tourism markets, and the factors that contribute to successful tourism ventures.
Courses: BS50, BS56, IF56, IF41
Prerequisites: MIB225
Credit Points: 12
Contact Hours: 3 per week

■ MIB317 CONTEMPORARY BUSINESS IN ASIA
The business and cultural environments of Japan, China the NICs and ASEAN; the major Asian economies, their structure and related issues; social and institutional foundations of the economies concerned; interaction between Asia and Australia.
Courses: BS50, BS56, IF40, IF41
Prerequisites: MIB200 or EPN105
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPN108

■ MIN400 ARTS ADMINISTRATION & SOCIETY
This unit analyses the structures and role of cultural organisations in the local, national and international community and the processes involved in administering arts in society. It focuses on the external influences on the arts through investigation of public policy, funding processes, cultural economics, strategic planning, community development, Indigenous arts, diversity and international research.
Courses: GS70, BS30, BS93
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKP108

■ MIN401 AUSTRALIAN FOREIGN AFFAIRS & BUSINESS
Australian business exists within a complex and dynamic global environment. An important part of the structure of that environment, especially as regards access to various national markets, is determined by national governments and a range of international agreements entered into by those governments. Australian governments play a vital role, through their various external affairs policies, in this system. The aim of this unit is to provide students with an understanding of external affairs policies in relation to business, their development and implementation.
Courses: BS93
Prerequisites: PG only; GSN101, or GSN204, or MG151 or BS1408
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPN113

■ MIN403 BUSINESS IN ASIA
The aim of this unit is to enable a more intensive study of business and markets in Asia. The development of the major industries will be examined, together with major intra-regional patterns of trade, commerce and finance. Significant economic, political and social factors determining developments will be focused upon, as well as regulatory restraints governing market access. The student will be required to undertake a project which requires the application of knowledge of the region to a business issue.
Courses: BS63, BS92, BS93, GS80
Prerequisites: PG only; GSN101 or BS1404 or GSN204
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPN108, EPN110, unless the permission of the Course Coordinator is gained

■ MIN404 BUSINESS IN EUROPE
The aim of this unit is to enable a more intensive study of business and markets in Europe. The development of the major industries will be examined, together with intra-regional
patterns of trade, commerce and finance. A particular focus will be the development of a single European market and its international implications. Significant economic, political and social factors determining developments will be focused upon, as well as regulatory restraints governing market access. The student will be required to undertake a project which requires the application of knowledge of the region to a business issue.

Courses: BS63, BS92, BS93, GS80

Prerequisites: PG only; GSN101 or BS408 or GSN204

Credit Points: 12

Contact Hours: 3 per week

Incompatible with: EPN110, unless the permission of the Course Coordinator is gained

■ MIN405 BUSINESS IN NORTH AMERICA

The aim of this unit is to enable a more intensive study of business and markets in North America. The development of the major industries will be examined, together with intra-regional patterns of trade, commerce and finance. A particular focus will be the development of NAFTA and its international implications. Significant economic, political and social factors determining developments will be focused upon, as well as regulatory restraints governing market access. The student will be required to undertake a project which requires the application of knowledge of the region to a business issue.

Courses: BS63, BS92, BS93, GS80

Prerequisites: PG only; GSN101 or BS408 or GSN204

Credit Points: 12

Contact Hours: 3 per week

Incompatible with: EPN110, unless the permission of the Course Coordinator is gained

■ MIN406 COMPARATIVE REGULATORY SYSTEMS

This unit will provide the student with a detailed understanding of the regulatory systems within which businesses operate, on a comparative and international basis. The major focus is upon Europe, Asia and North America. The development of regulatory systems and their impact upon actual or potential markets will be examined, especially in relation to significant differences that inhibit or enhance international business.

Courses: BS63, BS92, BS93

Prerequisites: PG only; 48 credit points from GS80 or GS81 or GS70 or MGN516

Credit Points: 12

Contact Hours: 3 per week

■ MIN407 CONTEMPORARY ISSUES IN MARKETING

This unit introduces emerging issues in marketing theory and the discipline of marketing, plus issues that may not have been covered earlier in the course but are nevertheless important. The specific issues covered each year will be negotiated with the staff members involved. Issues could include: pricing, market orientation, interactive marketing communication, organisational marketing, and public policy (for example, green marketing). Classes would usually include presentations by staff and by students who have worked individually or in groups to research issues.

Courses: BS85, BS61, BS93

Prerequisites: PG only; 48 credit points from GS80, GS81 or GS70 or an undergraduate specialisation in marketing

Credit Points: 12

Contact Hours: 3 per week

■ MIN408 FUNDRAISING CAMPAIGNS

This focus of this unit is on fundraising leadership for increasing campaign productivity. It is the capstone unit for students in the fundraising course and builds on the concepts introduced in Fundraising Principles. The unit covers the design, analysis, implementation and measurement of existing campaigns in relation to theories of leadership, management, strategic planning and strategic alliances.

Courses: BS63, BS92, BS93

Prerequisites: PG only; MIN409

Credit Points: 12

Contact Hours: 3 per week

Incompatible with: MKP101

■ MIN409 FUNDRAISING PRINCIPLES

This unit examines the principles of fundraising, case statement preparation, researching and establishing prospect bases, procedures of solicitation, public relations and relationship marketing, fundraising in society, the role of Boards, Foundations and volunteers, annual gift programs and budgeting for fundraising.

Courses: BS30, BS92, BS93

Prerequisites: PG only

Credit Points: 12

Contact Hours: 3 per week

Incompatible with: MKP101

■ MIN411 INDUSTRY COMPETITION & NETWORK ANALYSIS

This unit aims to emphasise the need to identify and monitor those elements inside and outside a business upon which a sustainable competitive advantage is built. It builds concepts and tools (such as PIMS analyses) with which to analyse dynamic, competitive and collaborative forces within an industry. The industries involved in this unit will be both domestic Australian and international ones.

Courses: BS85, BS61, BS93

Prerequisites: PG only; MIN413 or MKN100

Credit Points: 12

Contact Hours: 3 per week

■ MIN413 MARKET & BUSINESS RESEARCH METHODS

The aim of this unit is to provide an understanding of the issues underlying the conduct of market and other business related research. Issues include: identifying the research problem, ethical considerations, collecting and analysing data, computer programs, how to write a report and make a presentation to management. Teaching processes will include lectures, seminar discussions, group pilot research reports, and class presentations. The writing and presentation skills will be used through the rest of the course.

Courses: BS85, BS61, BS93

Prerequisites: PG with an UG specialisation in Marketing

Credit Points: 12

Contact Hours: 3 per week

Incompatible with: MKN100

■ MIN414 MARKETING DECISION SYSTEMS

Students of this unit will learn how to use computer programs to facilitate marketing decision making, and explore issues raised by information technology and the information highway. The computer programs may include spreadsheets, suites of programs for specific marketing decisions including forecasting, and SPSS. Issues may include the future impact on the future of marketing communication and distribution channels (including direct and database marketing), methods for dealing with information overload/overload, customer acceptance of interactive media, and the effects of re-engineering on the marketing function.

Courses: BS85, BS61, BS93

Prerequisites: PG only; MIN413 or MKN100 or 48 credit points from GS80, GS81 or GS70

Credit Points: 12

Contact Hours: 3 per week

■ MIN415 MARKETING FOR ARTS ADMINISTRATORS

This unit is designed to provide students of arts administration with an understanding of the application of the basic marketing concepts within the context of culture and the arts. It examines the principles of cultural enterprise, promotion, sponsorship, advertising, communication, market research, marketing strategies, and the development of marketing plans and campaigns for arts and cultural organisations.

Courses: GS70, BS30, BS93

Prerequisites: PG only; MIN400 or MIN430 as a corequisite

Credit Points: 12

Contact Hours: 3 per week

Incompatible with: MKP107

■ MIN419 SEMINARS IN CONSUMER BEHAVIOUR

Introduction to the area of consumer behaviour and a forum for discussion of theory and research in the field. Students will execute research projects and discuss the interdisciplinary nature of consumer behaviour. Issues from past classes include: children as consumers, consumerism, ethical decision making, gender representation in advertising, emotions research, time, hedonism and materialism, and cross-cultural research.
MIN421 SEMINARS IN INTERNATIONAL MARKETING
This unit covers international marketing theory and planning. Theoretical issues will include segmentation of international markets, life cycle and contingency approaches to international market entry choice, and market development and extension. Planning issues could cover the strategic marketing processes involved, including international market research involved, and their application to regions and countries in the Asia/Pacific region or Europe.
Courses: BS85, BS61, BS93
Prerequisites: PG with an UG specialisation in Marketing or 48 credit points from GS80, GS81 or GS70
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKN108

MIN422 SEMINARS IN MARKETING MANAGEMENT
An advanced study of marketing, marketing systems and marketing management decision processes within the contemporary structure of social, cultural, political, economic, business and organisational environments. The interpretation of accounting reports to identify and develop financial information necessary to plan and control the marketing function. Marketing management issues associated with profit and non-profit organisations and the relevance of marketing theory to these institutions.
Courses: BS85, BS61, BS93
Prerequisites: PG with an UG specialisation in Marketing or 48 credit points from GS80, GS81 or GS70
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKN107

MIN423 SEMINARS IN PRODUCT INNOVATION & DEVELOPMENT
The unit deals with the dynamics of product innovation and product development within the mix of core marketing activities of organisations. A 'product' is defined broadly to include tangible and intangible offerings and the various categories of consumer and industrial services and events. Issues covered include: product market analysis, design, innovation, evaluation and testing of product ideas, branding and packaging, market testing and investment analysis. Learning methodologies are mostly experiential and include hands-on computer use, visits to organisations and practical exercises.
Courses: BS85, BS61, BS93
Prerequisites: PG with an UG specialisation in Marketing or 48 credit points from GS80, GS81 or GS70
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKN109

MIN424 SEMINARS IN SERVICES MARKETING
This unit emphasises the services which comprise three-quarters of developed economies. In services, relationships with customers have a large role, and so this unit concentrates on establishing or identifying valuable customers and maintaining relationships with them. Issues include: segmenting services markets, developing and measuring relationships, long run networks versus one-off transactions, service quality management in various industries such as retailing and tourism, innovations in services distribution and brand equity.
Courses: BS85, BS61, BS93
Prerequisites: PG with an UG specialisation in Marketing or MIN422 or MKN107
Credit Points: 12
Contact Hours: 3 per week

MIN425 SEMINARS IN STRATEGIC MARKETING
This unit provides a foundation understanding of strategic marketing and is an integrative, capstone unit for the first, foundation units of the program. It deals with how an organisation can adapt to a changing external environment through market-driven strategic planning. Issues covered include: environmental analysis, strategic positioning, and the development of strategic marketing plans. The unit usually includes groups of students creating strategic marketing plans for real world organisations.
Courses: BS85, BS61, BS93
Prerequisites: PG only; 48 credit points
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKN110

MIN426 SPECIAL TOPIC IN INTERNATIONAL BUSINESS
This is intended to be an 'open-ended' unit where the opportunity will be available for staff and visiting scholars to offer a specialised program of study.
Courses: BS63, BS92, BS93
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: EPN110 unless the permission of the Course Coordinator is gained

MIN428 STRATEGIC ISSUES & TOURISM
Tourism represents a complex exchange of numerous differentiated and diverse goods and services involving many industries, activities, operators and government agencies. It is the nature of the interactions between the tourist and the various providers which determines quality of the tourist experience and the extent to which tourist expectations are realised. The strategic management of tourism thus involves considerations of variability, interdependence, complexity and transaction interactions normally not encountered in non-tourist settings. The aim of this unit is to help the student develop an understanding of the need for, and ability to generate, appropriate strategic perspectives and plans.
Courses: BS63, BS92, BS93
Prerequisites: PG only; MIN433
Credit Points: 12
Contact Hours: 3 per week

MIN429 STRATEGIC MARKETING MANAGEMENT
This unit is the capstone unit of the Masters program. It aims to ensure students can manage the complete marketing function at a senior level within a corporation, and includes assessing the marketing function's performance with appropriate tools to diagnose, assess, track and evaluate performance and to modify processes to improve the function. Links between the marketing function and other functions of a business such as accounting, operations and human resources will be drawn, so that the student would be in a position to move into top management if the opportunity arose. Learning methodologies may include a complex computer simulation requiring a series of competitive strategic marketing decisions with feedback on them.
Courses: BS85, BS61, BS93
Prerequisites: PG only; 96 credit points, including MIN422
Credit Points: 12
Contact Hours: 3 per week

MIN430 THE ARTS INDUSTRY
This unit provides a general framework for the analysis of the arts and culture as an industry. It examines the operational procedures of arts organisations, arts law, the media, industrial awards and enterprise agreements, arts as business, the human resources of the organisation, and multimedia developments. It concludes with an examination of cultural leadership in the community.
Courses: GS70, BS30, BS93
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: MKP109

MIN431 TOURISM DEVELOPMENT
The aim of this unit is to examine tourism projects and their developmental impacts. It will focus on project analysis, formulation and implementation in a variety of project contexts, both domestic and international. The notion of a tourism cycle is introduced, with an examination of the opportunities and problems associated for specific projects with each stage in the cycle.
Courses: BS63, BS92, BS93
Prerequisites: PG only; MIN433
Credit Points: 12
Contact Hours: 3 per week
UNIT SYNOPSES

■ MIN432 TOURISM MARKETING
This unit explores services marketing within tourism contexts. It provides students with a detailed understanding of the issues affecting the marketing of tourism destinations, elements of the destination mix and various tourist attractions. Services marketing techniques are explored within key elements of the destination mix at the regional, state, national and international levels.

Courses: BS63, BS92, BS93
Prerequisites: PG only; MIN433
Credit Points: 12
Contact Hours: 3 per week

■ MIN433 TOURISM: NATIONAL & INTERNATIONAL
The aim of this unit is to provide a detailed examination of tourism trends on a national, international and comparative basis. The primary focus will be upon the Australian, Asian and European markets, with a detailed examination of types of tourism markets, their development and impact. Current major issues will be assessed and related to the supply of tourism services and products.

Courses: BS63, BS92, BS93
Prerequisites: PG only
Credit Points: 12
Contact Hours: 3 per week

■ MIN434 SPECIAL TOPIC – MARKETING
This is intended to be an ‘open-ended’ unit where the opportunity will be available for staff and visiting scholars to offer a specialist topic of current study.

Courses: BS63, BS92, BS93
Prerequisites: A first degree with a specialisation in marketing
Credit Points: 12
Contact Hours: 3 per week

■ MJB101 JOURNALISM INFORMATION SYSTEMS
This unit acquaints students with the uses journalists make of computers in their work: for word processing, personal information management, time management, and gathering information for stories by searching online and CD-ROM databases, by analysing public records with spreadsheets and by using email to ‘interview’ sources found on Internet Bulletin Boards and in Newsgroups, Usergroups, and Listservers.

Courses: MJB20
Prerequisites: Journalism majors and minors only
Credit Points: 12
Contact Hours: 3 per week

■ MJB110 MEDIA WRITING
Should be combined with MJP110. Introduction to writing for the electronic media. The major requirements for writing practice are identified in connection with a variety of electronic media industry contexts, and the implications for writers of those diverse contexts and audiences. Film, television, radio and multimedia, including drama, documentary, comedy, educational and corporate.

Courses: MJB20, MJB101
Credit Points: 12
Contact Hours: 3 per week

■ MJB115 SUPERVISED PROJECT FILM & TELEVISION
Students undertake one or more specialist roles in the production of an approved major film or television project.

Courses: BS50, MJB20. Available to Film and Television Production majors only
Prerequisites: (Pre 1996 MJB113, MJB114, MJB134) or MJB213, MJB314, MJB334
Credit Points: 12
Contact Hours: 6 per week
Incompatible with: MJB352

■ MJB118 FUNDAMENTALS OF PHOTOGRAPHY
Historical development of the photographic arts, role of the photographer in society, the principles of visual perception, composition and design, photography as both art and craft; display photography, news photography, photo layout and design; the still camera, developing, printing and enlarging; creative use of camera and darkroom; colour and electronic imaging. Forthrightly photographic assignments and portfolio.

Courses: BS50, IF52, IF54, FT20, MJB20, MJB23
Credit Points: 12
Contact Hours: 4 per week

■ MJB120 NEWSWRITING
Students learn to think like journalists, to evaluate events for their potential news value, to interview and perform other reporting tasks and to write news stories; the evolution and theories of reporting.

Courses: MJB20
Corequisites: MJB101
Contact Hours: 3 per week

■ MJB121 JOURNALISTIC INQUIRY
The philosophical rationale behind the free flow of information and its use studied from practical and theoretical perspectives. The journalist’s role in society defined and explored through the use of advanced research techniques involving Freedom of Information, property and company searches and the use of newspaper databases.

Courses: BS50, MJB20
Prerequisites: MJB120, MJB101
Credit Points: 12
Contact Hours: 3 per week

■ MJB130 MEDIA TEXT ANALYSIS
The unit acquaints students with a range of approaches, both traditional and contemporary, to the analysis of media texts. It equips students with practical methods of understanding the creation and structuring of social meaning through media. The strategies applied in the analysis of texts will be drawn from the following areas: Utilitarianism, New Criticism and the traditional legacy; Semiotics and Structuralism/Post-Structuralism; Marxism and Contextual/Historical Approaches, Feminism, Psychoanalysis, and Multi-Culturalism. The media texts chosen will include newspaper articles, cartoons, photographs, advertisements, films and television programs.

Courses: ED50, MJB20
Credit Points: 12
Contact Hours: 3 per week

■ MJB140 MEDIA & SOCIETY
A range of theoretical positions on mass media study; the political economy of the media; the role and meaning of advertising; the manufacture of news; theories of journalism; audience theory; media representation of different societal groups – gender, race, ethnicity, class, age; public access media; media ownership and control; the treatment of particular social issues in the media; textual and discourse analysis; new technologies; ethics.

Courses: AA11, AA21, AA51, AA71, ED50, HU20, MJB20, SS07
Credit Points: 12
Contact Hours: 3 per week

■ MJB141 FILM & TELEVISION LANGUAGE
The unit surveys the processes by which meaning is constructed in film and television programs. This is first studied in relation to the question of form, and attention is given to how films, both narrative and non-narrative, and television programs, may be structured. The production of meaning is explored through a detailed examination of mise-en-scene (movement and placement of actors, setting, lighting, and costume), cinematography (including camera-angle, camera-distance, camera-movement and special effects), editing and sound.

Courses: ED50, MJB20
Corequisites: MJB130 or equivalent
Credit Points: 12
Contact Hours: 4 per week

■ MJB147 FILM & TELEVISION GENRES
This unit explores the concept of genre in films and television programs. It investigates the conventions and iconography of particular film and television genres. It also examines the relationships between film genres and television genres, between genre and history/ideology, between genre and the film and television industries, and between the generic texts produced by these industries.

Courses: ED50, MJB20
Prerequisites: MJB130 or equivalent
Credit Points: 12
Contact Hours: 3 per week

■ MJB155 MEDIA PRODUCTION
Should be combined with MJP155. Basic design for Informational, Creative, Corporate, Documentary and Drama Productions. Exploration of the history and theory of design for media production. Training in the design of project management
strategies, art and screen direction, images, sounds and sequences of audio visual montage at an introductory level. Practice in project management; performance and screen direction; image capture and lighting design; sonic capture and audio design; visual montage and image mixing.

Courses: MJ20, MJ23, AT24
Credit Points: 12  Contact Hours: 4 per week

■ MJBI80 SPEECH COMMUNICATION FOR JOURNALISTS
This unit draws on the theories of rhetoric, semiotics, group dynamics and interpersonal communication as a base for developing professionals who are articulate presenters, probing but empathic interviewers and interviewees, and good team players. Theory and practice are inter-related to develop understanding and self-reflexivity within students concerning their own communication skills. Practice in simulated work situations will allow growth and learning in the laboratory of the classroom.

Courses: MJ20  Prerequisites: MJB120
Credit Points: 12  Contact Hours: 3 per week

■ MJBI85 INFORMATIONAL PRODUCTION
Should be combined with MJP185. Forms of training and educational materials development as they apply to informational multimedia. Exploration of the historical and theoretical underpinnings of informational multimedia. Training in management, direction, camera, sound and editing as they apply to informational moving image media at an introductory level. Practice in project management, performance and art direction; image capture and lighting design; sonic capture and audio design; visual montage and image mixing.

Courses: MJ20, MJ23, AT24  Prerequisites: MJBI55
Corequisites: MJBI29
Credit Points: 12  Contact Hours: 3 per week

■ MJBI90 CREATIVE PRODUCTION
Experimentation in the multi-camera coverage of live movement events (as in dance video); the visual interpretation of sound (as in music video); the sonic transformation of visual events (as in performance art video). Exploration of the historical and theoretical underpinnings of experimental motion picture art. Training in management, direction, camera, sound and editing as they apply to moving image media at an advanced level. Practice in specialist roles on creative productions.

Courses: MJ20  Prerequisites: MJBI85, MJBI29, MJBI55
Credit Points: 24  Contact Hours: 6 per week

■ MJBJ30 MEDIA INDUSTRIES & ISSUES
An introduction to the study of mass media and cultural production, with particular emphasis on Australian media industries, including television, radio, the press, advertising, film, video, publishing and music. The unit considers these industries from social, historical and industrial perspectives, examines the development and implementation of regulation and policy, and explores a range of contemporary and future issues.

Courses: Pre 1996 MJ20
Credit Points: 12  Contact Hours: 3 per week  Incompatible with: Pre 1996 MJB104

■ MJBJ20 AUSTRALIAN TELEVISION
Should be combined with MJP209. This unit deals with the role of television in the construction of Australia’s cultural identity. Particular attention is paid to the part played by a number of historical mini series and documentary films in this process. The unit examines how issues such as war, religion, race, ethnicity, foreign relations and sport are dealt with in a number of texts.

Courses: ED50, MJ20  Prerequisites: 96 credit points of undergraduate study
Credit Points: 12  Contact Hours: 3 per week  Incompatible with: Pre 1996 MJB109

■ MJBJ24 FEATURE WRITING
Should be combined with MJP224. Students use the principles of reporting to produce newspaper and magazine articles that profile personalities, or that treat processes, events and places to exploit their human-interest news value.

Courses: BS50, MJ20, MJ23  Prerequisites: MJBJ121 or MJP100
Credit Points: 12  Contact Hours: 3 per week  Incompatible with: Pre 1996 MJB124

■ MJBJ29 FILM & TELEVISION SCRIPTWRITING
Should be combined with MJP229. Scriptwriting for Informational, Creative, Corporate and Drama Productions. Exploration of the theoretical underpinnings of language in the media. The rhetoric of moving image media. Practice in writing scripts for moving image media productions.

Courses: MJ20, MJ23, AT24
Credit Points: 12  Contact Hours: 3 per week

■ MJBJ32 RADIO & TELEVISION JOURNALISM I
The practical and theoretical aspects of radio and television media are studied through the examination of interviewing techniques. Students learn radio style and usage and the evaluation of television news bulletins through seminars and workshops. Strong emphasis is placed on current affairs knowledge.

Courses: BS50, MJ20  Prerequisites: Pre 1996 MJB100 and MJB121
Credit Points: 12  Contact Hours: 3 per week  Incompatible with: Pre 1996 MJB132

■ MJBJ23 TELEVISION CULTURES
Should be combined with MJP233. The aim of the course is to provide students with some ways to think about and to begin to account for the processes by which people make sense of and take pleasure from their encounters with television. It allows students to understand better the nature of television as a form of communication. The subject draws on the insights provided by a range of media studies approaches: semiotics and structuralism, British cultural studies, narrative theory, reception theory, ideological analysis, feminist criticism, and psychoanalysis. It examines television production as 'texts', and analyses the factors determining their construction and their possible meanings for audiences.

Courses: MJ20  Prerequisites: MJB130 or equivalent
Credit Points: 12  Contact Hours: 3 per week

■ MJBJ239 JOURNALISM ETHICS & ISSUES
The Australian Journalists’ Association code of ethics is examined against the background of Australia’s multicultural and pluralistic democracy; the evolution of the code, its philosophical underpinnings, how it compares to other national and international media codes and the general value of codes of ethics. Students will be placed in ethical dilemmas and asked to make decisions and justify their choices; the value of deathknocks, privacy, defining off-the-record, handling leads and women in the media.

Courses: BS50, MJ20, MJ23  Prerequisites: MJBJ121
Credit Points: 12  Contact Hours: 3 per week  Incompatible with: Pre 1996 MJB139

■ MJBJ250 LANGUAGE & LITERATURE
Should be combined with MJB250. This unit develops advanced critical and analytical skills in dealing with a variety of textual forms. Students acquire an understanding of various forms of literary or creative language forms. Students are introduced to literary theory as well as key language theory.

Courses: BS50, MJ20
Credit Points: 12  Contact Hours: 3 per week  Incompatible with: Pre 1996 COB144

■ MJBJ260 COMMUNITY & EDUCATIONAL VIDEO
New approaches to educational and community-focused video production using still and video cameras, editing equipment and computers; maximising outcomes using low-cost new wave technologies to produce magazine programs, oral histories, corporate promotional, educational and training videos and CD-ROMs.

Courses: ED50  Prerequisites: (Pre 1996 MJB100 or MJB126) or MJB155
Credit Points: 12  Contact Hours: 3 per week
MJB265 CORPORATE PRODUCTION
Corporate promotions, news, current affairs and television studio production as they apply to business communication. Examination of the historical and theoretical underpinnings of corporate television and video production. Training in management, direction, camera, sound and editing as they apply to corporate moving image media at an advanced level. Practice in specialist roles on corporate productions.
Courses: MJB20
Prerequisites: MJB190, MJB185, MJB229, MJB155
Credit Points: 24
Contact Hours: 6 per week

MJB270 DRAMA PRODUCTION
Film or video production which uses actors as mediators in the communication of fictional events. Exploration of the historical and theoretical underpinnings of fictional motion picture art. Training in management, direction, camera, sound and editing at a professional level. Practice in a specialist role on short drama production/s.
Courses: MJB20, BS50
Prerequisites: MJB360, MJB265, MJB190, MJB185, MJB229, MJB155
Credit Points: 24
Contact Hours: 6 per week

MJB303 NEWS PRODUCTION
Should be combined with MJP303. Media industries and media firms; social responsibilities; managing deadlines; planning and decision-making in the newsroom; leadership and motivation; news practice, radio, television, newspapers; case studies.
Courses: BS50, MJB20
Prerequisites: MJB322, MJB338 (none for MBA students
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: Pre 1996 MJB103

MJB305 AMERICAN FILM & SOCIETY
This unit is a contextual study of American films across 50 years. It allows students to explore how films form part of and contribute to the ideologies current during the period of their production. The subject examines the refraction of the Great Depression and Roosevelt’s New Deal in 1930s genre films; the post-war reconstruction and the reaffirmation of the family in 1940s films; the anti-communist hysteria and conservatism of the 1950s; the relation of 1960s films to various radical movements of the period; and the treatment of a range of social issues in 1970s and 1980s and 1990s films.
Courses: ED50, MJB20
Prerequisites: 96 credit points of undergraduate study
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: Pre 1996 MJB105

MJB307 FEMINIST MEDIA STUDIES
Should be combined with MJP307. This subject is designed to examine critically the issue of gender, sexuality and the media within cultures. A range of media texts will be investigated. Cultural discourses such as masculinity, feminism, romance, the body, sexuality and violence will be discussed. Issues such as cross-culturalism, new technologies, spatial politics, celebrities and political correctness will also be addressed from a feminist media studies perspective.
Courses: ED50, MJB20
Prerequisites: 96 credit points of undergraduate study
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: Pre 1996 MJB107

MJB310 ASIAN & LATIN AMERICAN CINEMA
Should be combined with MJP310. This subject provides an introduction to the study of the national cinemas of China and Cuba. China here will be taken to include reference to the cinemas of Hong Kong and Taiwan. The films will be placed within their political, cultural and historical contexts. Thus Chinese cinema will be studied from the perspective of the new cinema which emerged from the film makers Chen Kaige, Wu Tianming, Zhang Yimou and Tian Zhuangzhuang, and Cuban cinema will be dealt with in the context of the Cuban revolution.
Courses: ED50, MJB20
Prerequisites: 96 credit points of undergraduate study
Credit Points: 12
Contact Hours: 3 per week

MJB314 FILM & TELEVISION BUSINESS
The role of the producer and executive producer in the packaging and financing of film and television production including corporate, training and documentary, grant films, features telemovies and mini-series; matching television network programming needs and achieving balance in above-the-line, below-the-line and marketing costs. Sources of finance: Film Queensland, networks, corporate sponsors, corporate clients, investors, pre-sales, government grants, Film Finance Corporation; methods of obtaining finance, insurance, completion guarantees, legal and accounting requirements; social and ethical issues.
Courses: MJB20, MJB23
Prerequisites: MJB213 or two years in a degree program
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: Pre 1996 MJB114

MJB322 SUB-EDITING & LAYOUT
Introduction to the basic copy editing and design principles for newspapers. These skills are incorporated with the latest desktop publishing technology with specific reference to newspapers. Students use wire stories from Australian Associated Press, Reuters, Associated Press and Agence France Presse in news and feature page design exercises.
Courses: BS50, MJB20, MJB23
Prerequisites: MJB224 or MJP100
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: Pre 1996 MJB122

MJB335 PROFESSIONAL MEDIA PRACTICE
An opportunity to observe, and gain insight into, the application of theory to practice. The student is placed with an approved employer. The lecturer in charge of the unit obtains reports from the student at regular intervals. The student is required to contract the completion of a progressive assessment program. The student’s result is determined on the basis of reports, continuous assessment and the employer’s report. Film and Television Production students may seek approval from the Unit Coordinator for specific production activity to be counted as partial credit towards this unit.
Courses: MJB20
Prerequisites: For BA (JOU) majors (pre 1996 MJB122, MJB138) or MJB322 or MJB338. For BA (FTV) majors (pre 1996 MJB113, MJB134) or MJB213 or MJB332.
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: Pre 1996 MJB135; Not available to cross-institutional students

MJB336 NEW MEDIA TECHNOLOGIES
Should be combined with MJP336. The implications of new media technologies, and associated industrial and cultural changes, are an increasingly central issue for those involved both in media studies and media production. This course will examine the relationship between new technologies and media production in their social and cultural context, evaluating the impact of developments such as digitisation and convergence on work, leisure, film, television, print media and other areas of cultural production. It will also address emerging policy issues such as privacy, information access, cultural diversity and the relationship between personal freedom and social regulation on media such as the Internet. Through such an examination, this course will consider the insights that media theory can provide to an understanding of the new technologies and their social and cultural impact, and consider how changes in dominant media forms impact upon the study of the media and contemporary culture.
Courses: ED50, MJB20
Prerequisites: 144 credit points of undergraduate study
Credit Points: 12
Contact Hours: 3 per week

MJB337 PUBLIC AFFAIRS REPORTING
Should be combined with MJP337. This is an advanced reporting unit stressing the watchdog role of the press and utilising investigative techniques, including computer-assisted reporting,
Internet and other online searching. Students undertake in-depth practical assignments for possible publication.

Courses: BS50, MJ20
Prerequisites: (Pre 1996 MJB124 ) or MJB224
Credit Points: 12
Contact Hours: 3 per week

Incompatible with: Pre 1996 MJB137

■ MJB338 RADIO & TELEVISION JOURNALISM II
Philosophy and formulation of radio and television current affairs, anchor techniques, radio and television news production using computers.
Courses: BS50, MJ20
Prerequisites: (Pre 1996 MJB132 ) or MJB232
Credit Points: 12
Contact Hours: 3 per week

Incompatible with: Pre 1996 MJB138

■ MJB343 AUSTRALIAN FILM
Should be combined with MJP343. A study of New Wave Australian films within their cultural and institutional contexts; issues facing the film industry today; the filmic construction and circulation of cultural discourses such as national identity, nationalism, gender, ethnicity and class; the Australian landscape in film; experimental and avant garde films; indigenous films; new technological and global challenges.
Courses: ED50, MJ20
Prerequisites: 96 credit points of undergraduate study
Credit Points: 12
Contact Hours: 3 per week

Incompatible with: Pre 1996 MJB143

■ MJB344 EUROPEAN CINEMA
The post World War II cinema of two European countries related to their social and historical context. The content coverage of Italian and French cinema is shown as an example. The Italian section will examine neo-realism, the influence of Marxism on filmmakers such as Visconti, Pasolini and Bertolucci, and the films of Fellini, Antonioni and the Taviani brothers. The French section will explore the style and context of the New Wave, the work of independent filmmakers, and the work of contemporary directors such as Varda, Pialat, Blier and Deville.
Courses: ED50, MJ20
Prerequisites: 96 credit points of undergraduate study
Credit Points: 12
Contact Hours: 3 per week

Incompatible with: Pre 1996 MJB144

■ MJB346 AUSTRALIAN DOCUMENTARY: FILM & TELEVISION
This unit deals with the growth and development of the documentary film in Australia. The unit examines the role of government and non-governmental institutions in the sponsoring of Australian documentaries. The unit also studies the work of leading film makers such as John Pilger, Tom Zubricki, David Bradbury and others.
Courses: ED50, MJ20
Prerequisites: 96 credit points of undergraduate study
Credit Points: 12
Contact Hours: 3 per week

Incompatible with: Pre 1996 MJB146

■ MJB350 CREATIVE WRITING & PUBLISHING
Should be combined with MJP350. This subject is an advanced elective for students working towards a vocation involving professional writing, especially writing involving creativity. The subject has a particular focus on narrative writing, but students may work in other genres as well. It offers advanced professional writing, especially writing involving creativity. It is also possible to undertake a creative work such as a film or multimedia script or production. Students enrol in four sequential 12 credit point units (MJP107 /1, MJP107 /2, MJP107 /3, MJP107 /4) until they have completed 48 credit points. Normally, MJP107 /1 will involve students beginning to apply the theory and research material covered in earlier units, to a chosen dissertation topic, in consultation with an approved supervisor. MJP107 /2 will involve students consolidating the preparatory work begun in MJP107 /1 by preparing drafts of two chapters under structured supervision. MJP107 /3 and MJP107 /4 completes the sequence of dissertation units. Students complete the drafting of their dissertation and revise to a final copy for submission under supervision. Length will be 12 000 – 15 000 words or an equivalent in other media forms.
Courses: MJ21
Prerequisites: Normally two of MJP101, MJP102, MJP105
Credit Points: 48

■ MJP101 MEDIA THEORY
A systematic introduction to the critical and qualitative traditions of media theory and research, with special emphasis on critical media theory. Applications to mass media, including television, film, radio, advertising, print, and new media. Broad theoretical traditions in media theory; history of media theory; media institutions; media organisation and culture; media text analysis; media audiences; media futures.
Courses: AT22, MJ21, MJ23
Credit Points: 12
Contact Hours: 3 per week

■ MJP102 MEDIA POLICY ENVIRONMENT
The public policy environment associated with media practice and processes; current issues; the participating and critical views. A study of the public process in selected countries with special emphasis on Australian media policy. Social, legal, political and technical environments; current and major issues, and the differing approaches to media policy studies.
Courses: AT22, MJ21, MJ23
Credit Points: 12
Contact Hours: 3 per week

■ MJP103 CREATIVE WRITING THEORY
This unit examines the major theories underlying and informing the practice of writing creative texts, including narrative prose and film script. Such theory enhances critical awareness and knowledge of writing strategies relevant to the production of a text.
Courses: AT22, MJ23
Credit Points: 12
Contact Hours: 3 per week

■ MJP105 THEORIES OF JOURNALISM
The body of ‘classical’ literature pertaining to the theories of journalism and mass communication; identification of individual research interests; the empirical traditions of mass communication theory.
Courses: AT22, MJ21, MJ23
Credit Points: 12
Contact Hours: 3 per week

■ MJP107 DISSERTATION (1-4)
The culmination of the part-time Honours degree in Film and Television Production, Journalism or Media Studies in that students apply the theory and research material covered in earlier units to explore in some depth an applied or theoretical topic in their chosen discipline area. The dissertation is normally based on information from secondary sources and consists of a written report of approximately 12 000 – 15 000 words. It is also possible to undertake a creative work such as a film or multimedia script or production. Students enrol in four sequential 12 credit point units (MJP107 /1, MJP107 /2, MJP107 /3, MJP107 /4) until they have completed 48 credit points. Normally, MJP107 /1 will involve students beginning to apply the theory and research material covered in earlier units, to a chosen dissertation topic, in consultation with an approved supervisor. MJP107 /2 will involve students consolidating the preparatory work begun in MJP107 /1 by preparing drafts of two chapters under structured supervision. MJP107 /3 and MJP107 /4 completes the sequence of dissertation units. Students complete the drafting of their dissertation and revise to a final copy for submission under supervision. Length will be 12 000 – 15 000 words or an equivalent in other media forms.
Courses: MJ21
Prerequisites: Normally two of MJP101, MJP102, MJP105
Credit Points: 48

■ MJP109 COMPUTER ASSISTED REPORTING
Should be combined with MJB109. Using the library: library online and CD-ROMs; the Internet; e-mail, listervs, usergroups and newsgroups; gopher and Archie and Veronica searchers; mathematics for journalists; using spreadsheets; “in-
terviewing” public record data bases.

**Courses:** AT24
**Credit Points:** 12  **Contact Hours:** 3 per week

**MJP111 MEDIA WRITING**
Should be combined with MJB111. Introduction to writing for the electronic media. The major requirements for writing practice within a variety of electronic media industry contexts, and the implications for writers of those diverse contexts and audiences. Film, television, radio and multimedia, including drama, documentary, comedy, educational and corporate.

**Courses:** MJB20, MJB23, AT24  **Credit Points:** 12  **Contact Hours:** 3 per week

**MJP147 FILM & TELEVISION GENRES**
This unit explores the concept of genre in films and television programs. It investigates the conventions and iconography of particular film and television genres. It also examines the relationships between film genres and television genres, between genre and genre history/ideology, between genre and the film and television industries, and between the generic texts produced by these industries.

**Courses:** ED50, MJ20  **Prerequisites:** MJB130 or equivalent  **Credit Points:** 12  **Contact Hours:** 3 per week

**MJP155 MEDIA PRODUCTION**
Should be combined with MJB155. Basic design for Informational, Creative, Corporate, Documentary and Drama Productions. Exploration of the history and theory of design for media production. Training in the design of project management strategies, art and screen direction, images, sounds and sequences of audio visual montage at an introductory level. Practice in project management, performance and screen direction; image capture and lighting design; sonic capture and audio design; visual montage and image mixing.

**Courses:** MJB20, MJB23, AT24  **Credit Points:** 12

**MJP185 INFORMATIONAL PRODUCTION**
Should be combined with MJB185. Forms of training and educational materials development as they apply to informational multimedia. Exploration of the historical and theoretical underpinnings of informational multimedia. Training in management, direction, camera, sound and editing as they apply to informational moving image media at an introductory level. Practice in project management, performance and screen direction; image capture and lighting design; sonic capture and audio design; visual montage and image mixing.

**Courses:** MJB20, MJB23, AT24  **Prerequisites:** MJB155  **Credit Points:** 12  **Contact Hours:** 3 per week

**MJP209 AUSTRALIAN TELEVISION**
Should be combined with MJB209. This unit deals with the role of television in the construction of Australia’s cultural identity. Particular attention is paid to the part played by a number of historical mini series and documentary films in this process. The unit examines how issues such as war, religion, race, ethnicity, foreign relations and sport are dealt with in a number of texts.

**Courses:** ED50, MJ20  **Prerequisites:** 96 credit points of undergraduate study  **Credit Points:** 12  **Contact Hours:** 3 per week  **Incompatible with:** Pre 1996 MJB109

**MJP224 FEATURE WRITING**
Should be combined with MJB224. Students use the principles of reporting to produce newspaper and magazine articles that profile personalities, or that treat processes, events and places to exploit their human-interest news value.

**Courses:** BS50, MJ20, MJ23  **Prerequisites:** MJB121 or MJP100  **Credit Points:** 12  **Incompatible with:** Pre 1996 MJB124

**MJP229 FILM & TELEVISION SCRIPTWRITING**
Should be combined with MJB229. Scriptwriting for Informational, Creative, Corporate and Drama Productions. Examination of the theoretical underpinnings of language in the media. The rhetoric of moving image media. Practice in writing scripts for moving image media productions.

**Courses:** MJB20, MJB23, AT24  **Credit Points:** 12  **Contact Hours:** 3 per week

**MJP233 TELEVISION CULTURES**
Should be combined with MJB233. The aim of the course is to provide students with some ways to think about and to begin to account for the processes by which people make sense of and take pleasure from their encounters with television. It allows students to understand better the nature of television as a form of communication. The subject draws on the insights provided by a range of media studies approaches: semiotics and structuralism, British cultural studies, narrative theory, reception theory, ideological analysis, feminist criticism, and psychoanalysis. It examines television production as “texts”, and analyses the factors determining their construction and their possible meanings for audiences.

**Courses:** MJB20  **Prerequisites:** MJB130 or equivalent  **Credit Points:** 12  **Contact Hours:** 3 per week

**MJP250 LANGUAGE & LITERATURE**
Should be combined with MJB250. This unit develops advanced critical and analytical skills in dealing with a variety of textual forms. Students acquire an understanding of various forms of literacy or creative language forms. Students are introduced to literary theory as well as key language theory.

**Courses:** BS50, MJ20  **Credit Points:** 12  **Contact Hours:** 3 per week  **Incompatible with:** Pre 1996 COB144

**MJP303 NEWS PRODUCTION**
Should be combined with MJB303. Media industries and media firms; social responsibilities; managing deadlines; planning and decision-making in the newsroom; leadership and motivation; news practice; radio, television, newspapers; case studies.

**Courses:** BS50, MJ20  **Prerequisites:** MJB322, MJB338 (none for MBA students)  **Credit Points:** 12  **Contact Hours:** 3 per week  **Incompatible with:** Pre 1996 MJB103

**MJP307 FEMINIST MEDIA STUDIES**
Should be combined with MJB307. This subject is designed to examine critically the issue of gender, sexuality and the media within cultures. A range of media texts will be investigated. Cultural discourses such as masculinity, femininity, romance, the body, sexuality and violence will be discussed. Issues such as cross-culturalism, new technologies, spatial politics, celebrities and political correctness will also be addressed from a feminist media studies perspective.

**Courses:** ED50, MJ20  **Prerequisites:** 96 credit points of undergraduate study  **Credit Points:** 12  **Contact Hours:** 3 per week  **Incompatible with:** Pre 1996 MJB114

**MJP310 ASIAN & LATIN AMERICAN CINEMA**
Should be combined with MJB310. This subject provides an introduction to the study of the national cinemas of China and Cuba. China here will be taken to include reference to the cinemas of Hong Kong and Taiwan. The films will be placed within their political, cultural and historical contexts. Thus Chinese cinema will be studied from the perspective of the new cinema which emerged from the film makers Chen Kaige, Wu Tianming, Zhang Yimou and Tian Zhuangzhuang, and Cuban cinema will be dealt with in the context of the Cuban revolution.

**Courses:** ED50, MJ20  **Prerequisites:** 96 credit points of undergraduate study  **Credit Points:** 12  **Contact Hours:** 3 per week  **Incompatible with:** Pre 1996 MJB114

**MJP336 NEW MEDIA TECHNOLOGIES**
Should be combined with MJB336. The implications of new media technologies, and associated industrial and cultural
changes, are an increasingly central issue for those involved both in media studies and media production. This course will examine the relationship between new technologies and media production in their social and cultural context, evaluating the impact of developments such as digitisation and convergence on work, leisure, film, television, print media and other areas of cultural production. It will also address emerging policy issues such as privacy, information access, cultural diversity and the relationship between personal freedom and social regulation on media such as the Internet. Through such an examination, this course will consider the insights that media theory can provide to an understanding of the new technologies and their social and cultural impact, and consider how changes in dominant media forms impact upon the study of the media and contemporary culture.

Courses: ED50, MJ20
Prerequisites: 144 credit points of undergraduate study
Credit Points: 12
Contact Hours: 3 per week

MJP337 PUBLIC AFFAIRS REPORTING
Should be combined with MJB337. This is an advanced reporting unit stressing the watchdog role of the press and utilising investigative techniques, including computer-assisted reporting, Internet and other online searching. Students undertake in-depth practical assignments for possible publication.
Courses: BS50, MJ20
Prerequisites: (Pre 1996 MJB332) or MJB232
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: Pre 1996 MJB137

MJP343 AUSTRALIAN FILM
Should be combined with MJB343. A study of New Wave Australian films within their cultural and institutional contexts; issues facing the film industry today; the filmic construction and circulation of cultural discourses such as national identity, nationalism, gender, ethnicity and class; the Australian landscape in film; experimental and avant garde films; indigenous films; new technological and global challenges.
Courses: ED50, MJ20
Prerequisites: 96 credit points of undergraduate study
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: Pre 1996 MJB143

MJP350 CREATIVE WRITING & PUBLISHING
Should be combined with MJB350. This subject is an advanced elective for students working towards a vocation involving professional writing, especially writing involving creativity. The subject has a particular focus on narrative writing, but students may work in other genres as well. It offers advanced techniques in professional writing and editing, including publishing and marketing, and is suitable for practitioners in literature, journalism, film & television, media studies, communication and education.
Credit Points: 12
Contact Hours: 3 per week
Incompatible with: Pre 1996 COB147

NSB113 VALUES, CULTURE & NURSING
This unit will enable students to gain an understanding of the complex interrelationships between philosophical principles, culture, nursing and health-related behaviours. It will draw upon contemporary nursing practice to facilitate the provision of culturally sensitive and relevant care in a culturally diverse world.
Courses: NS40, NS48
Credit Points: 12
Contact Hours: 3 per week

NSB116 NURSING 1
An introduction to the key concepts underpinning nursing as a profession. Topics include: historical, social and political factors which have shaped the development of nursing practice; contemporary roles of the nurse; theoretical perspectives of nursing; nursing and health promotion.
Courses: NS40
Credit Points: 12
Contact Hours: 3 per week

NSB121 NURSING 2
Further development of the key concepts underpinning nursing as a profession. Topics include: the concept of client within the nurse-client relationship; theoretical perspectives of the helping relationship as applied to nursing; judgment and decision making processes within the context of nursing practice; collaboration within the health care team and governance in nursing.
Courses: NS40
Prerequisites: NSB116
Credit Points: 12
Contact Hours: 3 per week

NSB122 CLINICAL PRACTICE 1
The development and application of skills which are fundamental to nursing practice: communication skills, health assessment skills, care planning skills, skills which support client comfort and safety. Students will engage in a variety of on-campus activities which include laboratory practice sessions. In addition, an off-campus clinical practicum will be undertaken in a health care setting.
Courses: NS40
Corequisites: NSB121
Credit Points: 12
Contact Hours: Includes 2 weeks off-campus clinical experience

NSB201 PRINCIPLES OF PATIENT CARE
Emphasises the ethical, legal and clinical accountability of the radiographer for safe patient care; develops in radiography students an awareness of their responsibilities in protecting patients and promoting their well-being.
Course: PH38
Credit Points: 4
Contact Hours: 2 per week

NSB211 NURSING 3
This unit provides theoretical foundations for clinical decision making and problem solving related to the promotion, maintenance and/or restoration of health for clients experiencing alterations in activity/exercise, nutritional/metabolic, elimination and sleep/rest patterns.
Courses: NS40
Prerequisites: NSB116, NSB121
Credit Points: 12
Contact Hours: 3 per week

NSB212 CLINICAL PRACTICE 2
Further development and application of the theoretical and practical knowledge and skills necessary in the provision of safe, effective nursing care in a variety of settings. Students will practice the application of problem-solving and technical skills in both University (on-campus) and clinical (off-campus) settings. The off-campus clinical practicum will be undertaken in a variety of health care settings which include hospitals, palliative care facilities and psychiatric-mental health facilities.
Courses: NS40
Prerequisites: NSB122
Corequisites: NSB211, NSB213
Credit Points: 12
Contact Hours: Includes 4 weeks off-campus clinical experience

NSB221 NURSING 4
This unit provides theoretical foundations for clinical decision making and problem solving related to the promotion, maintenance and/or restoration of health for clients experiencing alterations in cognitive/perceptual, coping/stress tolerance and value/belief patterns.
Courses: NS40
Prerequisites: NSB116, NSB121
Credit Points: 12
Contact Hours: 3 per week

NSB222 CLINICAL PRACTICE 3
Further development and application of the knowledge and skills necessary in the provision of safe, effective nursing care in a variety of settings. Students will practice the application of problem solving and technical skills in both University (on-campus) and clinical (off-campus) settings. The off-campus clinical practicum will be undertaken in a variety of health care settings which include hospitals, palliative care facilities and psychiatric-mental health facilities.
Courses: NS40
Prerequisites: NSB122, NSB212, NSB223
Corequisites: NSB221
Credit Points: 12
Contact Hours: Includes 4 weeks off campus clinical experience.
NSB223 MENTAL HEALTH NURSING
This unit will enable students to gain an understanding of the important issues and principles associated with the promotion of mental health and prevention of mental illness in the community. Topics to be addressed include various perspectives of mental health and illness; factors underlying the development of mental illness; intervention strategies in the promotion/maintenance of optimal mental health; mental health policies.
Courses: NS40, NS48
Prerequisites: SSB101
Credit Points: 12
Contact Hours: 3 per week

NSB224 RESEARCH APPROACHES IN NURSING
An understanding of the various approaches to research is central to contemporary nursing practice and the scholarly advancement of nursing knowledge. Topics addressed in this unit include the significance of research in nursing; methodologies used to research nursing practice; and appraisal of research reports.
Courses: NS40, NS48
Credit Points: 12
Contact Hours: 3 per week

NSB311 NURSING 5
Provides theoretical foundations for clinical decision-making and problem solving related to the promotion, maintenance and/or restoration of health for clients experiencing alterations in sexual-reproductive health, self-concept and/or self perception.
Courses: NS40
Prerequisites: NSB116 and NSB121
Credit Points: 12
Contact Hours: 3 per week

NSB312 NURSING 6
Provides the opportunity for students to gain an understanding of the key issues associated with the promotion, maintenance and/or restoration of health for families and communities. Role-relationship and health management patterns will be a focus.
Courses: NS40
Prerequisites: NSB113, NSB116 and NSB121
Credit Points: 12
Contact Hours: 3 per week

NSB321 PROFESSIONAL PRACTICE DEVELOPMENT
This unit is designed to make explicit the link between clinical practice and theoretical knowledge. Post-registration and final semester pre-registration students will be assisted to further develop skills in reflective practice and peer consultation as strategies to support a more critical approach to clinical practice. A variety of topics will be addressed through a combination of self-directed learning activities and small group discussion sessions.
Courses: NS40, NS48
Credit Points: 12
Contact Hours: 3 per week

NSB322 CLINICAL PRACTICE 4
This clinical unit offers students the opportunity to advance the knowledge, skills and attributes which characterise the beginning level nurse practitioner. Emphasis will be placed on extending students’ ability to critically reflect thus enhancing professional practice and the provision of safe, holistic care.
Courses: NS40
Prerequisites: NSB122, NSB212 and NSB222
Credit Points: 12
Contact Hours: 4 weeks off-campus clinical practice

NSB323 CLINICAL PRACTICE 5
This final clinical unit is designed to enable students to consolidate the knowledge and skills essential in the provision of safe, effective client care. Emphasis will be placed on students’ proficiency to think critically, reflect upon their practice and use a problem-solving approach to the provision and management of safe nursing care in preparation for a successful transition to beginning level practice as a registered nurse.
Courses: NS40
Prerequisites: NSB122, NSB212, NSB222
Corequisites: NSB321
Credit Points: 16
Contact Hours: 6 weeks off-campus clinical experience

NSB413 ADVANCED RESEARCH IN APPROACHES TO NURSING
This unit will provide students with the opportunity to further develop their capacity for research and scholarship in preparation for future studies in the Bachelor of Nursing (Honours) course. Topics to be addressed include: statistical analysis – descriptive statistics, sampling, estimation and inferential statistics; research process – generation of researchable questions, literature review, theoretical frameworks in research, research methodology, ethical considerations and conducting research in the field.
Courses: NS48, NS40
Prerequisites: NSB224
Credit Points: 12
Contact Hours: 4 per week

NSB414 INDEPENDENT STUDY
This unit provides the opportunity for students to independently explore a specific area of interest in nursing. The emphasis is on the further development of research and analytic skills and the ability to assimilate a substantial body of materials and subdivide them to a clearly formulated argument.
Courses: NS40
Credit Points: 8

NSB415 SPECIAL TOPIC
This unit provides the opportunity for groups of students to explore, in detail, an area of interest in nursing. The emphasis will be on the further development of knowledge and understanding in a particular area of nursing, and skills in critical thinking and enquiry. The topics which may be studied are subject to availability.
Courses: NS40
Credit Points: 8

NSB417 INTRODUCTION TO NURSING
This unit aims to provide a framework within which students with advanced standing in the Bachelor of Nursing (Pre-registration) course can develop an evolving concept of nursing practice. Topics will include an historical, social and political analysis of the development of nursing, contemporary views of nursing as a profession, theoretical perspectives which underpin the development of nursing knowledge, the helping relationship as applied within a nursing context, clinical judgment and decision making within nursing and governance in nursing.
Courses: NS40
Credit Points: 12
Contact Hours: 3 per week

NSN501 ADVANCED CLINICAL STRATEGIES
This unit is designed to provide registered nurses with advanced skills in the area of clinical problem solving across a variety of clinical contexts. Students undertake the unit in the initial stages of their specialisation course, and the knowledge and skills which they develop are extended and applied through the speciality units.
Courses: NS64, NS85, NS32
Credit Points: 12
Contact Hours: 3 per week

NSN502 NURSING KNOWLEDGE
Students will explore content related to the historical and current development of nursing knowledge. Contemporary nursing practice is examined in relation to the development of nursing as a discipline in order to assist each student to reflect upon their conceptions of nursing as a field of study and practice.
Courses: NS64, NS85
Credit Points: 12
Contact Hours: 3 per week

NSN505 QUANTITATIVE APPROACHES TO NURSING RESEARCH
Students develop skills in research design and data collection processes related to clinical phenomena. Students have the opportunity to apply statistical concepts and a computer package to the analysis of numerical data.
Courses: NS64, NS85, NS32
Credit Points: 12
Contact Hours: 3 per week

NSN506 CLINICAL PROJECT
Offers students the opportunity to implement a project of clinical relevance and value which will lead to the resolution of practical issues facing nursing. It advances and extend the student’s learning from their clinical speciality and the supporting units.
Courses: NS85
Contact Hours: Negotiated with Course Coordinator

■ NSN507 CONTEMPORARY ISSUES IN NURSING
This unit is designed to explore, through the application of relevant theoretical frameworks, contemporary political insight, social, economic and organisational issues in nursing practice. These issues have a major impact on the context within which nurses provide care. The unit content provides students with a body of knowledge to support their further development of nursing practice.
Courses: NS64, NS85, NS32
Credit Points: 12
Contact Hours: Negotiated with Course Coordinator

■ NSN508 ADVANCED READINGS IN NURSING
Provides the opportunity for students to access and review a body of literature relevant to an area of individual interest in nursing. This will enable students to extend their knowledge and understanding of a topic which is not specifically addressed elsewhere in the course. In addition, students undertaking this unit through participation in information retrieval and writing workshops, will have the opportunity to develop advanced skills in information retrieval, critical analysis and writing for publication.
Courses: NS64, NS85, NS32
Credit Points: 12
Contact Hours: Negotiated with Course Coordinator

■ NSN509 SPECIAL TOPIC
Provides the opportunity for students to engage in a group learning process to explore, in depth, an area of professional relevance which may be available from local or visiting scholars with particular expertise or knowledge of specific areas. It enables students to capitalise upon important learning opportunities which might not otherwise be possible.
Courses: NS64, NS85, NS32
Credit Points: 12
Contact Hours: Negotiated with Course Coordinator

■ NSN510 CLINICAL ELECTIVE 1
The purpose of this unit is to explore the theoretical and practical knowledge and skills required to provide effective nursing care to patients with highly specialised nursing management problems. Students will have the opportunity to develop theory and clinical problem-solving skills intrinsic to the nursing care of a specific range of patients within a defined subspecialty nursing area. Content will be individually negotiated in order to meet the needs of nurses, in particular nursing specialty areas. Content may include clinical and theoretical concepts in cardiology, emergency, neuroscience, neonatal, recovery room, or other specialty nursing areas.
Courses: NS32, NS64, NS85
Credit Points: 12
Contact Hours: To be advised by Course Coordinator

■ NSN511 CLINICAL ELECTIVE 2
This unit provides the opportunity for students to expand the professional knowledge and skills which have been acquired during Clinical Elective 1. Students will have the opportunity to acquire theoretical, conceptual and practical knowledge in a variety of advanced topics specific to developing knowledge and theory in specialised areas of nursing practice. The content in this unit will be individually negotiated to provide students with a further opportunity to explore the clinical and theoretical concepts introduced in previous units. Content may include advanced knowledge, skills, and attitudes in cardiology, emergency, neuroscience, neonatal, recovery room, or other specialty nursing areas.
Courses: NS32, NS64, NS85
Credit Points: 12
Contact Hours: To be advised by Course Coordinator

■ NSN521 CLINICAL SPECIALISATION 1
Provides an introduction to the theory, process and practice of nursing in a designated specialty area. Although a range of knowledge and skills is addressed, an emphasis is placed upon health promotion within the context of a specialty area of health care.
Courses: NS64, NS85
Credit Points: 12
Contact Hours: 3 per week

■ NSN522 CLINICAL SPECIALISATION 2
Develops students’ understanding of the theory, process and practice of nursing in a designated specialty area of nursing. Although a health promotion framework is reinforced, the emphasis in this unit is placed on the development of strategies to assist clients who are experiencing particular health dysfunctions.
Courses: NS64, NS85
Credit Points: 12
Contact Hours: 3 per week

■ NSN523 CLINICAL SPECIALISATION 3
Provides the opportunity for students to further develop and consolidate professional knowledge and skills which have been acquired during the previous clinical units. Students are facilitated to incorporate theoretical, conceptual and practical knowledge into the assessment, planning, implementation and evaluation of the are required by clients. Block practice.
Courses: NS64, NS85
Credit Points: 12
Contact Hours: 3 per week

■ NSN581 CLINICAL STUDIES 1
An exploration of nursing practice in specialty areas of health care at a level which is not possible within the ambit of introductory studies. It enables students to address current trends, changing perspective of practice and issues of national and international significance. The broad perspective which is utilised in this unit equips students to select a specific area(s) of practice to be examined in more detail in NSN582 and NSN83.
Courses: NS64, NS85
Credit Points: 12
Contact Hours: 3 per week

■ NSN582 CLINICAL STUDIES 2
Provides students with the opportunity to build upon their learning in NSN581 by choosing an area of specialised nursing practice which they would like to explore and examine in greater detail. This allows students to deepen their appreciation of the clinical issues which relate to their practice in a particular specialty area of nursing.
Courses: NS64, NS85
Credit Points: 12
Contact Hours: 3 per week

■ NSN583 CLINICAL STUDIES 3
Designed to complement NSN581 and NSN582. Enables the student to examine, from a clinical perspective, an area of specialised nursing practice. This approach not only develops students’ awareness of the theoretical aspects of nursing issues, but highlights the clinical implications as well. Provides the opportunity for students to further develop clinical skills which complement their theoretical knowledge of the selected area.
Courses: NS64, NS85
Credit Points: 12
Contact Hours: Negotiated with Course Coordinator

■ NSN601 CLINICAL THEORY 1
This unit incorporates the theory component for relevant nursing specialties offered in Clinical Specialisation 1 (NSN521). Also included is the opportunity to apply theory to practice and to develop advanced nursing skills while working in the specialty area through the use of clinical learning contracts.
Courses: NS32
Prerequisites: NSB122, NSB212 and NSB222
Credit Points: 12
Contact Hours: 3 per week

■ NSN602 CLINICAL THEORY 2
This unit incorporates the theory component for relevant nursing specialties offered in Clinical Specialisation 2 (NSN522). Also included is the opportunity to apply theory to practice and to develop advanced nursing skills while working in the specialty area through the use of clinical learning contracts.
Courses: NS32
Prerequisites: NSB122, NSB212 and NSB222
Credit Points: 12
Contact Hours: 3 per week

■ NSN825 THESIS
For part-time students see NSN850

■ NSN850 THESIS
The thesis provides students with an opportunity to formally
extend and synthesise knowledge gained in earlier semesters in the course. The study represents an independent piece of research in the student’s area of basic or applied interest and is completed under the guidance of a supervisor.

Courses: NS85
Credit Points: 48

■ OPB210 OPTOMETRY 2
Development of optometry and optometric education; legal standing and scope of service; role of health care services; professionalism and ethical behaviour; professional bodies and relationships with other professions; future of optometry.

Courses: OP42
Credit Points: 4
Contact Hours: 2 per week

■ OPB232 OPHTHALMIC OPTICS 2
Optical concepts, refraction and notation; neutralisation, transposition, prismatic effects, multifocals; frame and lens material; quality, dimensions; vertex meters, ordering, prescription; writing; protection against radiation and mechanical hazards; special lens types.

Courses: OP42, MAB251
Corequisites: PHB240
Credit Points: 12
Contact Hours: 4 per week

■ OPB312 VISUAL SCIENCE 3
The performance of the eye as an optical system is considered in the context of ocular aberrations, refractive errors and image formation and quality. An introduction to visual performance characteristics includes absolute and relative thresholds, dark and light adaptation and relative luminous efficiency curves.

Courses: OP42
Corequisites: PHB240, LSB230
Credit Points: 12
Contact Hours: 5 per week

■ OPB401 OCULAR & REGIONAL ANATOMY
The gross anatomy of the head and neck region with particular reference to the central nervous system. The macroscopic and microscopic anatomy of the orbit, extraocular muscles, eyelids, lacrimal apparatus, cornea, conjunctiva, sclera, uveal tract, lens, retina, optic nerve, aqueous, vitreous and the neural pathways and vascular circulation. Ocular embryology.

Courses: OP42
Corequisites: LSB230, OPB312
Credit Points: 10
Contact Hours: 4 per week

■ OPB405 CLINICAL OPTOMETRY 4
Provides students with an understanding of the scope of clinical practice. Students are taught the basics of communicating with patients, how to understand prescriptions and frame selection and adjustment procedures. Measurement of vision, and correct recording procedures will also be covered.

Courses: OP42
Corequisites: OPB415, OPB401
Credit Points: 4
Contact Hours: 2 per week

■ OPB412 VISUAL SCIENCE 4
Visual performance is examined with respect to its spatial and temporal characteristics. Perceptual aspects of vision as well as binocular and colour vision performance characteristics.

Courses: OP42
Corequisites: OPB312, PHB340, LSB451
Credit Points: 12
Contact Hours: 5 per week

■ OPB415 OCULAR PHYSIOLOGY
All aspects of ocular physiology including the vegetative physiology of various ocular structures, visual neurophysiology and an introduction to electrophysiological techniques.

Courses: OP42
Corequisites: LSB230, LSB451, OPB312
Credit Points: 12
Contact Hours: 4 per week

■ OPB504 OPHTHALMIC OPTICS 5
A continuation of OPB232 emphasising problems with spectacle lenses. Practical application of theory to ophthalmic dispensing in the laboratory.

Courses: OP42
Corequisites: OPB232, PHB340
Credit Points: 8
Contact Hours: 4 per week

■ OPB505 CLINICAL OPTOMETRY 5
The clinical application of techniques learnt in OPB509 (studied concurrently) in the management of patients presenting for eye examinations.

Courses: OP42
Corequisites: OPB412, OPB405, OPB401, OPB415
Credit Points: 8
Contact Hours: 4 per week

■ OPB509 OPTOMETRY 5
The theory and practice of clinical procedures which are used in eye examinations.

Courses: OP42
Corequisites: OPB412, OPB401, OPB405, OPB415
Credit Points: 18
Contact Hours: 9 per week

■ OPB520 PHARMACOLOGY
General pharmacokinetic and pharmacodynamic principles. Mechanisms of action and therapeutic applications of drugs used in the treatment of central and peripheral systemic diseases.

Courses: OP42
Corequisites: OPB401, OPB415, OPB412, LSB370
Credit Points: 6
Contact Hours: 2 per week

■ OPB527 DISEASES OF THE EYE 5
The detection, diagnosis, referral and management of ocular disease. General pathological considerations. The writing of reports, referral letters and referral procedures. The nature, aetiology and management of congenital, developmental, dystrophic and degenerative anomalies of the external and internal ocular structures and ocular adnexae. The ocular manifestation of systemic disease including cardiovascular, metabolic, endocrine, central nervous system and malnutritional disorders.

Courses: OP42
Corequisites: LSB491, OPB401, LSB451, OPB415
Credit Points: 8
Contact Hours: 3 per week

■ OPB605 CLINICAL OPTOMETRY 6
A continuation of OPB505. The clinical application of techniques learnt in OPB509 and OPB609 (studied concurrently) in the management of patients presenting for eye examinations.

Courses: OP42
Corequisites: OPB504, OPB505, OPB509, OPB527
Credit Points: 8
Contact Hours: 4 per week

■ OPB608 OCULAR PHARMACOLOGY
General pharmacological principles are presented as background to a study of pharmacological profiles of ophthalmic preparations; both diagnostic and topical therapeutic agents are considered. Particular emphasis is placed on those ophthalmic drugs used to facilitate an eye examination.

Courses: OP42
Corequisites: OPB505, OPB509, OPB520, OPB527
Credit Points: 18
Contact Hours: 9 per week

■ OPB609 OPTOMETRY 6
Continuation of the theory and practice of routine and advanced clinical procedures which are used when conducting a complete eye examination. Areas include the management of binocular vision anomalies, methods of examining the visual fields and the measurement of intra-ocular pressure.

Courses: OP42
Corequisites: OPB505, OPB509, OPB520, OPB527
Credit Points: 16
Contact Hours: 8 per week

■ OPB617 CONTACT LENS STUDIES 6
An introduction to the basic concepts of contact lens fitting. Areas covered include contact lens instrumentation, contact lens materials and designs, fitting and consultation techniques. The practical component of the unit focuses upon the fitting of contact lenses.
Courses: OP42
Prerequisites: OPB509, OPB505, OPB520, OPB527
Corequisites: OPB609, OPB605, OPB627, OPB608
Credit Points: 6  Contact Hours: 2 per week

OPB627 DISEASES OF THE EYE 6
A continuation of OPB527. The anatomical, physiological and pathological aspects of glaucoma. Its symptomatology, methods of detection and diagnosis, management and prognosis. Inflammatory diseases, trauma and tumours of the external and internal ocular structures and ocular adnexae.
Courses: OP42
Prerequisites: OPB527, OPB509, OPB505, OPB520
Corequisites: OPB605, OPB608, OPB609, OPB617
Credit Points: 8  Contact Hours: 4 per week

OPB705 CLINICAL OPTOMETRY 7
This is the clinical application of the procedures studied in OPB609 and OPB709 and includes the management of patients in the clinical situation.
Courses: OP42
Prerequisites: OPB605, OPB609
Corequisites: OPB709, OPB717, OPB750
Credit Points: 24  Contact Hours: 13 per week

OPB709 OPTOMETRY 7
Continuation of OPB609. Provides knowledge and understanding of the theory and clinical procedures involved in paediatric optometry, low vision, colour vision and aniseikonia.
Courses: OP42
Prerequisites: OPB605, OPB609
Corequisites: OPB705, OPB717, OPB750
Credit Points: 10  Contact Hours: 5 per week

OPB717 CONTACT LENS STUDIES 7
A series of lectures and practical sessions in advanced aspects of contact lens practice. Topics include the physiological consequences of contact lens wear; management of contact lens patients; fitting of lenses for keratoconus, extended wear and presbyopia. Practical sessions provide training in advanced diagnostic and fitting techniques.
Courses: OP42
Prerequisites: OPB617, OPB605
Corequisites: OPB705, OPB708, OPB750
Credit Points: 6  Contact Hours: 2 per week

OPB750 PROJECT
Students are required to undertake project work in Year 4, Semesters 1 and 2, working in groups of up to three on projects of their own choosing or on a topic chosen from a suggested list. Topics must be original. Students conduct a literature search (including a computer-based search in conjunction with a reference librarian), decide on the experimental hypotheses, plan and execute the experiment, analyse the results and write a report in manuscript form which it is hoped is suitable for publication in the open literature. Oral presentations are given by each group to their peers, third-year students and staff, as part of a formal Year 4, Semester 2 colloquium.
Courses: OP42
Corequisites: OPB709, MAB258, OPB705, OPB717
Credit Points: 12  Contact Hours: 2 per week

OPB803 OCCUPATIONAL/PUBLIC HEALTH OPTOMETRY
A course of study to introduce the basic concepts of eye safety and visual ergonomics. Content includes eye safety programs, occupational vision screening, legal aspects of eye safety, eye hazards: traumatic, radiation and chemical, eye protection, visual ergonomics and illumination engineering.
Courses: OP42
Prerequisites: OPB709
Corequisites: OPB805, OPB750, OPB807
Credit Points: 6  Contact Hours: 2 per week

OPB805 CLINICAL OPTOMETRY 8
A continuation of OPB705. This unit places emphasis on the students’ decision-making skills in the evaluation, care and treatment of patients who may have a wide range of visual disorders.
Courses: OP42
Prerequisites: OPB705, OPB717, OPB709
Corequisites: OPB750, OPB803, OPB810
Credit Points: 32  Contact Hours: 17 per week

OPB807 PRACTICE MANAGEMENT
Optometry’s role in health care; professional and ethical behaviour; relevant state and federal Acts; professional associations; types of practice; optometric practice and the law.
Courses: OP42
Corequisites: OPB805, OPB803, OPB750
Credit Points: 4  Contact Hours: 2 per week

OPN601 ADVANCED CONTACT LENS STUDIES
Instruction in specialised fitting techniques, including keratoconus, scleral lenses and prosthetics. There is also an emphasis on the design, manufacture and modification of lenses. The physiology and pathology associated with contact lens wear is also covered in detail.
Courses: HL88
Credit Points: 12  Contact Hours: 3 per week

OPN602 ADVANCED CLINICAL METHODS
Exploration of the techniques for the examination of the eye and visual function. Topics include: visual fields; static automated perimetry; screening versus threshold methods and their interpretation; modelling and trend analysis of visual field data; the visual field in glaucoma; contrast sensitivity function; alternative tests and their interpretation; clinical applications of contrast sensitivity function testing; colour vision; current research in congenital and acquired disorders; clinical tests, their application and interpretation; the design of colour vision screening procedures; entoptic phenomena and their application as diagnostic tools; advanced slit lamp biomicroscopy, gonioscopic, photography and fundus examination; other advanced methods of examination such as ultrasonography, dark adaptation, motion sensitivity, eye movement studies and electrophysiology.
Courses: HL88
Credit Points: 12  Contact Hours: 3 per week

OPN603 ADVANCED OCULAR PHARMACOLOGY
Exploration of the use of drugs for the treatment of eye diseases. The unit does not seek to qualify optometrists to use these drugs, nor to impart the clinical skills or procedures necessary for such a scope of practice; instead, it will supply the background knowledge and understanding of current theoretical and practical research concepts in therapeutics so essential to complement this evolution in health care. Topics include: the anatomy, physiology and pathology of tissue changes in relevant eye diseases; neurohumoral transmission current concepts in receptor dynamics; the actions of systemic drugs; including antihypertensive, antiarthritic, asthma, anti-depressant and antianxiety drugs; the actions and uses of drugs for the treatment of eye disease such as infections, inflammation, allergy and glaucoma; current research into treatment strategies for eye disease; optometry and therapeutic care.
Courses: HL88
Credit Points: 12  Contact Hours: 3 per week

OPN605 VISION REHABILITATION
The epidemiology of visual impairment; the impact of visual impairment on individuals and families; the range of rehabilitation services available; assessment methods; preparation of individual rehabilitation programs for children and adults who are visually impaired.
Courses: HL88
Credit Points: 12  Contact Hours: 3 per week

PHA154 INTRODUCTORY PHYSICS
An introduction to the basic concepts involved in the study of linear mechanics, ideal gases, liquids and solids, elasticity, surface tension, temperature and its measurements, heat content, heat transfer, reflection and refraction of light at plane surfaces, use of lenses in simple optical instruments, current, electricity, e.m.f. resistance, circuit analysis, heating effects, electrical measurements using moving coil galvanometers, potentiometers and Wheatstone bridge, magnetic field with
simple applications. A series of laboratory experiments emphasises the above concepts.

Courses: SC15  Credit Points: 8  Contact Hours: 3 per week

■ PHB001 INTRODUCTORY PHYSICS
This unit is designed for students without a SA or better in Senior Physics (or equivalent). Topics include: kinematics, mechanics, electricity and magnetism.

Courses: SC30, ED50, ME35  Credit Points: 6  Contact Hours: 3 per week

Incompatible with: SA or better in Senior Physics

■ PHB111 PHYSICS 1B
A course of lectures and laboratory work on AC and DC circuit theory, electronics, vibrations and waves, sound, geometrical optics.

Courses: PH38  Prerequisites: SA – Senior Physics  Credit Points: 8  Contact Hours: 3 per week

■ PHB122 PHYSICS 1
A course of lectures and laboratory work on data analysis, kinematics and mechanics, DC and AC circuit theory, electronics, vibrations and waves, sound, geometrical optics and physical optics.

Courses: CH32, ED50, OP42, SC30  Prerequisites: SA Senior Physics  Corequisites: PHB001 unless Senior Physics has been passed at SA or better  Credit Points: 12  Contact Hours: 5 per week

■ PHB134 ENGINEERING PHYSICS 1B
A basic unit in the physics of waves and optics: moving and stationary waves in various media, interference of waves, beat acoustics and shock waves and measurement of sound; geometrical and physical optics including reflection, refraction, dispersion, interference and diffraction, polarisation, optical instruments, design and resolution, and photometry.

Courses: CE42, EE43, EE44, IF23, IF54, IF56, ME23, ME45, ME46  Credit Points: 8  Contact Hours: 3 per week

■ PHB150 PHYSICS 1H
Basic physical measurements, mechanics, heat, waves, acoustics, ultrasounds and optics, and the instrumentation used to measure biological parameters.

Courses: PU42, PU45, PU45, SC30, LS37, ED50  Credit Points: 12  Contact Hours: 6 per week

■ PHB172 PHYSICS FOR SURVEYORS
Physics relating to modern surveying instrumentation; optics, physics of materials, physics of the atmosphere, electromagnetic and ultrasonic wave applications, topics in electronics.

Courses: IF54, IF55, PS47, PS48  Credit Points: 8  Contact Hours: 3 per week

■ PHB178 PRINCIPLES OF MEDICAL RADIATIONS
Principles of medical imaging and methods of detection, diagnosis and treatment of cancer.

Courses: PH38  Credit Points: 12  Contact Hours: 6 per week

■ PHB222 PHYSICS 2
A course of lectures and laboratory work on mechanical properties of matter, fluids, gravitational fields, electromagnetic fields, thermal physics, quantum and radiation physics.

Courses: ED50, SC30  Prerequisites: SA – Senior Physics  Corequisites: PHB001 unless Senior Physics has been passed at SA or better  Credit Points: 12  Contact Hours: 5 per week

■ PHB234 ENGINEERING PHYSICS 2B
The physics of heat and properties of matter, including the kinetic theory of gases, temperature scales and thermometers, heat and heat transfer, thermodynamics and the molecular properties of matter, electric charge and electric fields, Gauss’s Law, electric potential, capacitance, magnetism and magnetic fields, electromagnetic induction, inductance.

Courses: EE43, EE44, IF23  Credit Points: 8  Contact Hours: 3 per week

■ PHB240 OPTICS 2
The principles of geometrical optics as they apply to rectilinear propagation, reflection and refraction for paraxial rays for monochromatic light for single surfaces, thin lenses, cylindrical, spherocylindrical and toric lenses, lens systems in air, the eye and a selection of optical instruments; study of the optics of mono-chromatic and chromatic aberrations and of photometry and colour.

Courses: OP42  Prerequisites: PHB122  Credit Points: 12  Contact Hours: 7 per week

■ PHB263 PHYSICS 2E
Extension of PHB150 including fluids, AC, DC circuit theory, with emphasis on electronics and instrumentation, fields, modern and nuclear physics. Fluid mechanics. Biomechanics.

Courses: ED50, PU42, PU44, SC30  Credit Points: 12  Contact Hours: 6 per week

■ PHB272 RADIATION PHYSICS 1
Electrostatics, electromagnetism, the production of X-rays and their interaction with matter.

Courses: PH38  Credit Points: 12  Contact Hours: 5 per week

■ PHB275 PROCESSING TECHNOLOGY
A study of the processes involved in the production of a visible image in radiography, including: latent image formation, processing, techniques and equipment relevant to radiography.

Courses: PH38  Credit Points: 4  Contact Hours: 2 per week

■ PHB276 GENERAL RADIOGRAPHY 1
A program of lectures relating to radiography of the skeletal system.

Courses: PH38  Prerequisites: LSB141, PHB178  Corequisites: LSB241, PHB278  Credit Points: 12  Contact Hours: 6 per week

■ PHB278 GENERAL RADIOGRAPHY PRACTICE 1
A program of practical sessions relating to radiography of the skeletal system.

Courses: PH38  Corequisites: PHB276  Credit Points: 8  Contact Hours: 3 per week

■ PHB286 TREATMENT PLANNING 1
Introduction to the techniques of radiotherapy treatment planning.

Courses: PH38  Prerequisites: PHB170  Credit Points: 12  Contact Hours: 6 per week

■ PHB287 MEGAVOLTAGE THERAPY 1
Introduction to the basic techniques of radiotherapy including beam direction and defining devices.

Courses: PH38  Prerequisites: PHB178  Credit Points: 8  Contact Hours: 4 per week

■ PHB313 RADIOGRAPHIC IMAGE INTERPRETATION
Image formation in medical radiography, and the significance of diagnostic techniques and their image appearances in assessment of the lower extremity.

Courses: PU45  Credit Points: 8  Contact Hours: 3 per week

■ PHB322 PHYSICS 3A
Laplace Transforms; SHM; damped harmonic motion; forced oscillations; coupled oscillations; wave transmission and reflection; wave systems; AC circuit analysis; power; network analysis; resonance; AC measurements.

Courses: ED50, SC30  Prerequisites: MAB222, PHB122, PHB222  Corequisites: MAB432  Credit Points: 12  Contact Hours: 5 per week
- **PHB332 PHYSICS 3B**
  Covers any two of the following: optics, electronics, materials, experimental method.
  - **Courses:** ED50, SC30
  - **Prerequisites:** PHB122, PHB222 and (MAB212 or MAB222)
  - **Credit Points:** 12
  - **Contact Hours:** 5 per week

- **PHB340 OPTICS 3**
  The application of geometrical optics to selected aspects of optics including lens form and thickness, contact lenses, spectacle lens design and spherical surfaces; the wave nature of light with emphasis on interference, diffraction and polarisation; the specialised topics of optical processing, lasers and the evaluation of optical systems.
  - **Courses:** OP42
  - **Prerequisites:** PHB222, PHB240
  - **Credit Points:** 12
  - **Contact Hours:** 7 per week

- **PHB342 PHYSICS 3C**
  See PHB332.
  - **Courses:** ED50, SC30
  - **Prerequisites:** PHB122, PHB222 and (MAB212 or MAB222)
  - **Credit Points:** 12
  - **Contact Hours:** 5 per week

- **PHB373 NUCLEAR MEDICINE IMAGING**
  The principles, equipment and applications of nuclear medicine imaging.
  - **Courses:** PF38
  - **Credit Points:** 4
  - **Contact Hours:** 2 per week

- **PHB374 RADIOGRAPHIC EQUIPMENT 1**
  Discussion of design considerations of X-ray generators and equipment for control of beam direction.
  - **Courses:** PH38
  - **Credit Points:** 4
  - **Contact Hours:** 2 per week

- **PHB375 GENERAL RADIOGRAPHY 2**
  An extension of topics introduced in PHB276 to include more advanced techniques of skeletal radiography, ward and operating theatre radiography, and examinations using contrast media.
  - **Courses:** PH38
  - **Prerequisites:** LSB241, PHB276, PHB278
  - **Credit Points:** 8
  - **Contact Hours:** 5 per week

- **PHB376 GENERAL RADIOGRAPHY PRACTICE 2**
  A program of practical sessions relating to topics introduced in PHB376.
  - **Courses:** PH38
  - **Prerequisites:** LSB241, PHB276, PHB278
  - **Corequisites:** PHB376
  - **Credit Points:** 8
  - **Contact Hours:** 3 per week

- **PHB379 CLINICAL RADIOGRAPHY 1**
  Clinical experiences in radiographic examinations introduced in PHB276 and PHB376. Experience is obtained in approved clinical departments.
  - **Courses:** PH38
  - **Prerequisites:** LSB241, PHB276, PHB278
  - **Corequisites:** PHB378
  - **Credit Points:** 8
  - **Contact Hours:** 4 per week

- **PHB382 RADIOTHERAPY PHYSICS 1**
  A study of the design, physical aspects and operating characteristics of megavoltage and telecurie units.
  - **Courses:** PH38
  - **Prerequisites:** PHB272
  - **Credit Points:** 4
  - **Contact Hours:** 2 per week

- **PHB386 TREATMENT PLANNING 2**
  An extension of the study of treatment planning introduced in PHB286 to the planning of complex techniques of photon therapy and electron therapy.
  - **Courses:** PH38
  - **Prerequisites:** PHB286, PHB287, LSB241
  - **Credit Points:** 12
  - **Contact Hours:** 6 per week

- **PHB387 MEGAVOLTAGE THERAPY 2**
  The principles and applications of megavoltage therapy including techniques for specific sites.
  - **Courses:** PH38
  - **Prerequisites:** LSB241, PHB287
  - **Credit Points:** 12
  - **Contact Hours:** 5 per week

- **PHB389 CLINICAL RADIOTHERAPY 2**
  Practical exercises in megavoltage therapy related to topics introduced in PHB287 and PHB387. The programs are carried out in clinical departments.
  - **Courses:** PH38
  - **Corequisites:** PHB387
  - **Credit Points:** 8
  - **Contact Hours:** 4 per week

- **PHB404 SAFETY TECHNOLOGY 2**
  Vibration and noise, electrical hazards, sources and hazards of ionising and non-ionising radiation.
  - **Courses:** PU44
  - **Prerequisites:** PHB263
  - **Credit Points:** 12
  - **Contact Hours:** 6 per week

- **PHB422 PHYSICS 4A**
  Any two of the following: thermodynamics and statistical mechanics, radiation physics, electronics, applied acoustics, classical mechanics and relativity.
  - **Courses:** ED50, SC30
  - **Prerequisites:** PHB122, PHB222 and (MAB301 or MAB303)
  - **Credit Points:** 12
  - **Contact Hours:** 5 per week

- **PHB462 EXPERIMENTAL PHYSICS 4**
  Experimental method and design; electronics; preparation and presentation of reports; experimental work.
  - **Courses:** SC30
  - **Prerequisites:** At least two level 2 Physics units including electronics module
  - **Credit Points:** 12
  - **Contact Hours:** 5 per week

- **PHB473 MEDICAL ULTRASOUND**
  The physical principles and application of ultrasound.
  - **Courses:** PH38
  - **Credit Points:** 4
  - **Contact Hours:** 2 per week

- **PHB474 RADIOGRAPHIC EQUIPMENT 2**
  A study of the equipment used in specialised radiography, including mobiles, tomographic units, skull tables and mammography units.
  - **Courses:** PH38
  - **Credit Points:** 4
  - **Contact Hours:** 2 per week

- **PHB475 MEDICAL RADIATION COMPUTING 1**
  An introduction to the capabilities of computer hardware and software, and image processing.
  - **Courses:** PH38
  - **Prerequisites:** MAB151
  - **Credit Points:** 8
  - **Contact Hours:** 3 per week

- **PHB476 SPECIAL PROCEDURES**
  Specialised techniques of radiography: the skull, obstetrics, gynaecology, CNS and paediatrics.
  - **Courses:** PH38
  - **Prerequisites:** PHB376, PHB378
  - **Credit Points:** 12
  - **Contact Hours:** 5 per week

- **PHB479 CLINICAL RADIOGRAPHY 2**
  Clinical experience in approved departments in radiographic examinations discussed in PHB376.
  - **Courses:** PH38
  - **Prerequisites:** PHB376, PHB378
  - **Contact Hours:** 4 per week

- **PHB485/1 PRINCIPLES OF TREATMENT 1**
  The principles underlying the choice of treatment of cancer in specific sites including consideration of associated treatment.
  - **Courses:** PH38
  - **Prerequisites:** PHB178, PHB389
  - **Credit Points:** 4
  - **Contact Hours:** 3 per week

- **PHB485/2 PRINCIPLES OF TREATMENT 2**
  A continuation of the detailed discussion started in PHB485/1 to include the principles of treatment of cancer in all sites, and benign diseases.
  - **Courses:** PH38
  - **Prerequisites:** PHB485/1
  - **Credit Points:** 4
  - **Contact Hours:** 3 per week

- **PHB487 MEGAVOLTAGE THERAPY 3**
  An extension of the topic introduced in PHB387 to include
the full range of treatment by megavoltage therapy for cancer in specific sites. Consideration includes techniques, planning, patient positioning, outlines and measurements.

Courses: PH38
Prerequisites: PHB387, PHB389
Credit Points: 8
Contact Hours: 3 per week

PHB489 CLINICAL RADIOTHERAPY 3
Clinical experiences in approved departments in techniques of megavoltage therapy.

Courses: PH38
Prerequisites: PHB387, PHB389
Credit Points: 8
Contact Hours: 4 per week

PHB500 ADVANCED IMAGING PRACTICE 1
The content of this unit includes topics from a number of areas and is designed to complement the particular background of persons undertaking the conversion program.

Courses: PH90
Credit Points: 14

PHB504 INSTRUMENTATION
Transducers; basic electronics, op amps, noise, and reduction techniques, isolation, analogues to digital techniques, computer interfacing, C programming, signal processing, and digital filters.

Courses: ME46
Credit Points: 8
Contact Hours: 3 per week

PHB512 PROJECT
Projects are undertaken in a wide range of topics normally submitted by staff. They are commonly related to School of Physics research activities in materials science, health and medical physics, environmental and aerosol physics, and instrumentation, and may involve an extension of existing knowledge and technique or an introductory investigation into a new procedure.

Courses: ED50, SC30
Prerequisites: At least three third level Physics units
Credit Points: 12
Contact Hours: 5 per week

PHB522 APPLIED QUANTUM MECHANICS
Schrödinger equation, potential wells, hydrogen atom, angular momentum, perturbation theory, atomic and molecular spectra, Zeeman effects, line broadening phenomena, spectroscopy, lasers.

Courses: SC30
Prerequisites: MAB601, MAB612, PHB322, PHB422 or PHB432 (classical mechanics and relativity module).
Credit Points: 12
Contact Hours: 5 per week

PHB532 ELECTROMAGNETIC FIELD THEORY

Courses: SC30
Prerequisites: PHB322, MAB601, MAB612
Credit Points: 12
Contact Hours: 5 per week

PHB562 PHYSICAL METHODS OF ANALYSIS
X-ray diffraction; qualitative and quantitative analysis, texture and stress analysis. X-ray fluorescence. Electron microscopy: transmission electron microscopy, scanning electron microscopy, electron probe microanalysis. Theory, instrumentation and application of atomic emission and absorption spectroscopy, mass spectrometry and gas chromatography, infra-red and Raman spectroscopy, neutron activation analysis, nuclear magnetic resonance spectroscopy and surface analysis techniques (Auger electron spectroscopy, x-ray photoelectron spectroscopy, secondary ion mass spectrometry).

Courses: ED50, SC30
Credit Points: 12
Contact Hours: 5 per week

PHB575 MEDICAL RADIATION COMPUTING 2
Applications of computers in image processing and radiotherapy.

Courses: PH38, PH90
Prerequisites: PHB475
Credit Points: 8
Contact Hours: 3 per week

PHB576 ADVANCED RADIOGRAPHIC TECHNIQUE 1
A study of the principles and techniques used in advanced radiographic techniques including angiography, the salivary glands, arthrography, sinography, arteriography and venography.

Courses: PH38
Prerequisites: PHB476, PHB479
Credit Points: 8
Contact Hours: 4 per week

PHB577 QUALITY ASSURANCE/IMAGE EVALUATION
The principles and techniques used in the quality assurance of medical imaging apparatus and ancillary equipment.

Courses: PH38
Credit Points: 8
Contact Hours: 4 per week

PHB578 IMAGE INTERPRETATION
Lectures and practical exercises on image interpretation including technical and diagnostic quality.

Courses: PH38
Credit Points: 4
Contact Hours: 2 per week

PHB580/1 CLINICAL RADIOGRAPHY 3
Clinical experience in special radiographic procedures as introduced in PHB476.

Courses: PH38
Prerequisites: PHB476, PHB479
Credit Points: 8
Contact Hours: 4 per week

PHB580/2 CLINICAL RADIOGRAPHY 3
Clinical experience in advanced radiographic techniques as introduced in PHB576.

Courses: PH38
Prerequisites: PHB576, PHB580/1
Credit Points: 8
Contact Hours: 4 per week

PHB585 COMPUTER ASSISTED TREATMENT PLANNING 1
A study of planning hardware and software to include two-dimensional planning. Development of concepts to an advanced level of understanding of computer-assisted optimisation of isodose distributions.

Courses: PH38, PH90
Prerequisites: PHB386, LSB841
Corequisites: PHB487
Credit Points: 12
Contact Hours: 3 per week

PHB587 SPECIALISED RADIOTHERAPY TECHNIQUE 1
The specialised techniques of orthovoltage and superficial radiotherapy.

Courses: PH38
Prerequisites: PHB487, PHB489
Credit Points: 12
Contact Hours: 6 per week

PHB589 CLINICAL RADIOTHERAPY 3
Clinical experience in the techniques of radiotherapy employing orthovoltage and superficial therapy.

Courses: PH38
Prerequisites: PHB487, PHB489
Corequisites: PHB587
Credit Points: 8
Contact Hours: 4 per week

PHB600 ADVANCED IMAGING PRACTICE 2
See PHB500

Courses: PH90
Credit Points: 12
Contact Hours: 4 per week

PHB622 SOLID STATE PHYSICS
Crystal structures and bonding, reciprocal lattice, Brillouin zones; mechanical and thermal properties of solids; free electron and band theory; semiconductors; magnetic properties of solids; dielectric properties of materials; amorphous materials; superconductivity.

Courses: SC30
Prerequisites: Second level Materials, PHB422 (thermodynamics and statistical mechanics module), PHB522
Credit Points: 12
Contact Hours: 5 per week

PHB632 NUCLEAR & PARTICLE PHYSICS
Nuclear reaction, nuclear model, particle physics, particle...
detectors and accelerators and applications.

**Courses:** SC30  
**Prerequisites:** PHB432 (thermodynamics and statistical mechanics module), PHB522  
**Credit Points:** 12  
**Contact Hours:** 5 per week

**PHB642 APPLIED RADIATION & HEALTH PHYSICS**
Lectures and laboratory work on the topics: properties of ionising and non-ionising radiation. Detection and measurement techniques. Radiobiological effects of ionising and non-ionising radiation and health physics. Medical and industrial applications of radiation. Environmental radiation and radioactivity.

**Courses:** SC30  
**Prerequisites:** PHB432 (particle and radiation module)  
**Credit Points:** 12  
**Contact Hours:** 5 per week

**PHB662 TOPICS IN PHYSICS**
The content varies from year to year and is determined by current research advances and availability of staff. No more than four topics are included, so as to allow a reasonable cover of the material. Topics in recent years have been drawn from the following fields of interest: health and medical physics, optoelectronics, geophysics, environmental physics and materials science.

**Courses:** ED50, SC30  
**Prerequisites:** At least 36 credit points in second level Physics units

**PHB670 ADVANCED RADIOGRAPHIC PRACTICE 2**
The content of this unit includes topics from a number of other units and is designed to complement the particular background of students undertaking the conversion program.

**Courses:** PH90  
**Credit Points:** 20

**PHB672 PROJECT**
A supervised project involving either application of existing theoretical practical knowledge or a literature survey of a selected relevant topic.

**Courses:** PH38  
**Credit Points:** 12

**PHB673 PROJECT**
A supervised project involving either application of existing theoretical practical knowledge or a literature survey of a selected relevant topic.

**Courses:** PH38, PH90  
**Credit Points:** 12

**PHB674 RADIATION SAFETY & BIOLOGY**
A study of the philosophy and protocol of radiation protection. The question of protection is treated in a manner which brings into perspective the details of protection dealt with in other units of the course. The biological effects of ionising and non-ionising radiation.

**Courses:** PH38, PH90  
**Credit Points:** 8  
**Contact Hours:** 3 per week

**PHB676 ADVANCED RADIOGRAPHIC TECHNIQUE 2**
An extension of topics in advanced radiographic technique introduced in PHB576 to include mammography, techniques for examination of the lymphatic system, and emerging techniques.

**Courses:** PH38  
**Prerequisites:** PHB576, PHB580/1  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**PHB679 CLINICAL RADIOGRAPHY 5**
Clinical experience in advanced radiographic techniques.

**Courses:** PH38  
**Prerequisites:** PHB576, PHB579  
**Credit Points:** 14  
**Contact Hours:** 6 per week

**PHB681 COMPUTED TOMOGRAPHY IMAGING**
Lectures, practical exercises and clinical experiences in CT imaging.

**Courses:** PH38  
**Credit Points:** 12  
**Contact Hours:** 4 per week

**PHB682 MAGNETIC RESONANCE IMAGING**
Lectures, tutorial exercises in the physical principles and clinical techniques used in magnetic resonance.

**Courses:** PH38  
**Credit Points:** 8  
**Contact Hours:** 3 per week

**PHB683 ONCOLOGICAL IMAGING**
Principles and techniques of medical imaging used in the detection of cancer: CT, MRI, U/S and NM.

**Courses:** PH38  
**Credit Points:** 8  
**Contact Hours:** 3 per week

**PHB685 COMPUTER ASSISTED TREATMENT PLANNING 2**
The use of computers in the planning of non-standard and complex radiotherapy treatment including arc and rotation techniques, irregular field techniques, three-dimensional plans.

**Courses:** PH38, PH90  
**Prerequisites:** PHB585  
**Credit Points:** 12  
**Contact Hours:** 6 per week

**PHB687 SPECIALISED RADIOThERAPY TECHNIQUE 2**
Specialised radiotherapy techniques including techniques applicable to the child patient and patients with communicable disease, theatre procedures, total body photon and electron therapy as well as complementary techniques.

**Courses:** PH38  
**Credit Points:** 12  
**Contact Hours:** 6 per week

**PHB689 CLINICAL RADIOTHERAPY 4**
Clinical experience in specialised radiotherapy treatment techniques.

**Courses:** PH38  
**Prerequisites:** PHB589, and PHB685  
**Corequisites:** PHB687  
**Credit Points:** 8  
**Contact Hours:** 4 per week

**PHB705 PROJECT**
A research project in which the student initiates and undertakes an investigation of some magnitude and originality. Topics are related to research interests in the Centre for Medical and Health Physics, or the School of Physics

**Courses:** SC60  
**Credit Points:** 12  
**Contact Hours:** 4 per week

**PHB706 QUANTUM MECHANICS**
Linear vector space; operators; eigenvalues and eigenvectors; physical variables and Hermitian Operators; action principle; matrix mechanics; potential scattering; Born approximation; perturbation theory; many particle systems; introduction to superconductivity.

**Courses:** SC60  
**Credit Points:** 12  
**Contact Hours:** 4 per week

**PHB707 ADVANCED MATERIALS**
Amorphous and nanocrystalline structures; ceramics; metastable interstitial nitrides; composites; superconducting ceramics; fabrication techniques; testing and analysis of advanced materials; shock processing.

**Courses:** SC60  
**Credit Points:** 12  
**Contact Hours:** 4 per week

**PHB708 ADVANCED TOPICS IN PHYSICS**
No more than three topics are included. The content is determined by current research advances, availability of appropriate staff, visiting academics, etc. and may vary from year to year.

**Courses:** SC60  
**Credit Points:** 12  
**Contact Hours:** 4 per week

**PHB789 ADVANCED RADIOTHERAPEUTIC PRACTICE 1**
The content of this unit includes topics from a number of areas and is designed to complement the particular background of persons undertaking the conversion program.

**Courses:** PH90  
**Credit Points:** 16

**PHB889 ADVANCED RADIOTHERAPEUTIC PRACTICE 2**
See PHB789

**Courses:** PH90  
**Credit Points:** 20
PHN112 MEDICAL IMAGING SCIENCE
Introduction to the ‘C’ programming language; programming techniques and algorithms; numerical analysis; and digital image processing.
Courses: PH80, SC60
Credit Points: 12
Contact Hours: 4 per week

PHN113 RADIATION PHYSICS
Radioactivity and the interaction of ionising radiation with matter; applied radiation counting techniques; biological effects of ionising radiation.
Courses: PH80, SC60
Credit Points: 12
Contact Hours: 4 per week

PHN114 MICROPROCESSORS & INSTRUMENTATION
The capabilities and limitations of a given instrument; design of interfaces between microcomputers and transducers; signal conditioning and signal conversion circuits for data acquisition.
Courses: PH80, SC60
Credit Points: 12
Contact Hours: 4 per week

PHN159 ULTRASONIC EXAMINATION 1
The normal and abnormal anatomy and functions related to gynaecology and obstetrics, the ultrasonic techniques used and the appearance of related images. A study of the technique used in the ultrasonic examination of the abdomen including the appearance on the ultrasound image of normal abdominal anatomy and its alteration by pathological processes.
Courses: PH80
Credit Points: 12
Contact Hours: 3 per week

PHN162 PRINCIPLES OF MEDICAL ULTRASOUND
Principles of diagnostic ultrasound; physics of ultrasound; ultrasound equipment design and performance; image production and artefacts; general principles of scanning; patient and equipment care; use of coupling materials and acoustic windows and transducer selection.
Courses: PH80
Credit Points: 12
Contact Hours: 4 per week

PHN185 PRINCIPLES OF MEDICAL IMAGE PROCESSING & COMPUTED TOMOGRAPHY
The principles of image data acquisition in digital imaging modalities with emphasis on computed tomography. Convolution theorem; image enhancement techniques; image reconstruction; three-dimensional image presentation techniques. The principles of clinical computed tomography including equipment and contrast media considerations; techniques of specific examination – head, neck, thorax, abdomen, pelvis, extremities, therapy considerations and new developments.
Courses: PH80
Credit Points: 12
Contact Hours: 4 per week

PHN187 SPECIALIST IMAGING STUDIES 1
The opportunity for students to explore specialty imaging techniques and applications through a combination of small group tutorials, self-directed study and research.
Courses: PH80
Credit Points: 12
Contact Hours: 3 per week

PHN197 CLINICAL ATTACHMENT 1 & 2
A supervised practical program carried out in an approved medical imaging department. Students are required to undertake specified clinical practice as applicable to their area of specialisation and meet minimum requirements of clinical hours and case scope and numbers. Full year unit.
Courses: PH80
Credit Points: 12

PHN211 MEDICAL IMAGING
The physical principles involved in the production of the radiographic, ultrasonic, magnetic resonance and nuclear medicine images; quality control protocols.
Courses: PH80, SC60
Credit Points: 12
Contact Hours: 4 per week

PHN212 RADIOThERAPY
Overview of the application of physics to radiotherapy; theoretical and practical aspects of the major topics in radiotherapy physics.
Courses: PH80, SC60
Credit Points: 12
Contact Hours: 4 per week

PHN213 BIOMECHANICS/PHYSIOLOGICAL MEASUREMENT
The basic concepts and principles of measurement in dynamic physiological systems; principles of design, construction and operation of transducers, electrodes and other instrumentation.
Courses: PH80
Credit Points: 12
Contact Hours: 4 per week

PHN214 HEALTH & OCCUPATIONAL PHYSICS
The philosophy, protocols and practices of safety in the medical and industrial fields; minimisation of hazards associated with radiation, electrical, mechanical and biological techniques.
Courses: PH80, SC60
Credit Points: 12
Contact Hours: 4 per week

PHN218 RESEARCH METHODOLOGY & PROFESSIONAL STUDIES
Literature searches – manual and computer based; data collection; recording and analysis; introduction to medical statistics; Writing of research proposals, reports and scientific papers. The organisational culture and funding structures within the medical and health industry; basic management skills, the interface between health and technology management.
Courses: PH80
Credit Points: 12
Contact Hours: 3 per week

PHN281 MAGNETIC RESONANCE IMAGING
Magnetic resonance imaging as applied to medical imaging; the principles, instrumentation and imaging sequencing parameters of MRI; image production, manipulation and storage: clinical MRI applications and techniques.
Courses: PH80
Credit Points: 12
Contact Hours: 4 per week

PHN287 SPECIALIST IMAGING STUDIES 2
The opportunity for students to explore specialty imaging modalities and applications through a combination of small group tutorials, self-directed study and research.
Courses: PH80
Credit Points: 12
Contact Hours: 4 per week

PHN297 CLINICAL ATTACHMENT 2
A period of additional supervised clinical practice designed to expand and refine skills acquired in PHN197.
Courses: PH80
Prequisites: PHN197
Credit Points: 12

PHN355 CARDIOVASCULAR ULTRASOUND
The principles and equipment requirements of ultrasound applications in the cardiovascular system; the clinical techniques and diagnostic criteria of such applications in particular those of the peripheral arterial and venous systems and the heart.
Courses: PH80
Prequisites: PHN197
Credit Points: 12
Contact Hours: 4 per week

PHN356 ULTRASONIC EXAMINATIONS 2
Ultrasound techniques used to examine the head, neck and peripheral organs and the ultrasonic appearance of normal and abnormal anatomy and pathology. Ultrasound techniques in advanced obstetrics and gynaecology and in the abdomen.
Courses: PH80
Prequisites: PHN197
Credit Points: 12
Contact Hours: 3 per week

PHN520 PROJECT (FT)
The project may take the form of research development, a design, a feasibility study, or the collation of scattered information on a given topic. The project can be undertaken externally under QUT supervision. Time spent on projects is one semester for full-time and two semesters for part-time students.
Courses: PH80
Credit Points: 48 (48 FT and 24 PT per semester)
Contact Hours: 18 (FT) and 9 (PT) per week
The project may take the form of research development, a design, a feasibility study, or the collation of scattered information on a given topic. The project can be undertaken externally under QUT supervision. Time spent on projects is one semester for full-time and two semesters for part-time students.

Courses: PHN80
Credit Points: 48 (48 FT and 24 PT per semester)
Contact Hours: 18 (FT) and 9 (PT) per week

PHN715 ADVANCED TOPICS IN PHYSICS 1
This unit provides a focused theoretical foundation for each student’s research program and develops a high level of theoretical understanding of the physical principles underpinning the research.
Courses: SC80
Credit Points: 8

PHN716 ADVANCED TOPICS IN PHYSICS 2
See PHN715
Courses: SC80
Credit Points: 12

PRB300 EDUCATION LAW & THE BEGINNING TEACHER
Legal literacy; sources of education law; students’ and rights; students’ law and schools; parents law and education; teachers’ rights and obligations; teachers and school-based accidents; educational malpractice.
Courses: ED373, ED433, ED50, ED51, ED52, ED54
Credit Points: 12
Contact Hours: 3 per week

PRB301 MAINSTREAM INTEGRATION OF CHILDREN WITH DISABILITIES
Historical and philosophical analysis of the evolution of education and education policy related to children with special needs and disabilities. Individuals exhibiting learning problems: identification, diagnosis, profiling and program development. Curriculum issues related to integration: communication; classroom management; use of resources; Individual Education Plans (IEP); team teaching; networking; curriculum design and modification; the multifaceted role of a consultant/adviser in school.
Courses: ED50, ED51
Credit Points: 12
Contact Hours: 3 per week

PRB302 ADULT EDUCATION IN THE WORKPLACE & COMMUNITY
The nature of all common forms of adult education, with particular emphasis on workplace and community settings; analyses key concepts and views of leading adult educators, and relates them to current attempts in Australia to provide effective forms of post-compulsory education and training.
Courses: ED54, ED61
Credit Points: 12
Contact Hours: 3 per week

PRB303 FIELD EXPERIENCE 1
Module One of this unit gives participants an understanding of the basic principles of self-directed learning and action learning, both of which underpin the Field Experience Program. Participants will also develop practical skills and understanding with respect to determining the education or training needs of adults. The second module is based on the Workplace Trainer Competence Standards Category 2. The students achieve the required performance criteria in a workplace situation.
Courses: ED54
Credit Points: 12
Contact Hours: 10/20 day placement; pre- and post-tutorials

PRB304 FIELD EXPERIENCE 2
Students undertake to complete any two of a specified set of modules. The modules are based on the Workplace Trainer Competency Standards Category 2. The students achieve the required performance criteria in a workplace situation.
Courses: ED54
Credit Points: 12
Contact Hours: 20 day placement; pre- and post-tutorial

PRB305 FIELD EXPERIENCE 3
Students undertake to complete any two of a specified set of modules. The modules are based on the Workplace Trainer Competency Standards Category 2. The students achieve the required performance criteria in a workplace situation.
Courses: ED54
Credit Points: 12
Contact Hours: 20 day placement; pre- and post-tutorial

PRB306 FIELD EXPERIENCE 4
Students undertake to complete two final modules. The seventh module is based on the Workplace Trainer Competency Standards Category 2. The students achieve the required performance criteria in a workplace situation. The eighth module is based on a negotiated project.
Courses: ED54
Credit Points: 12
Contact Hours: 20 day placement; pre- and post-tutorial

PRB307 ORIENTATION TO ADULT & WORKPLACE PROGRAMS
Basic concepts in curriculum and curriculum processes for contemporary adult, workplace and community education. The nature of programs; investigating needs, competencies and outcomes; planning learning opportunities; participant assessment and program evaluation.
Courses: ED54
Credit Points: 12
Contact Hours: 3 per week

PRB308 THE GROUP IN ADULT & WORKPLACE EDUCATION
Introduction to the theory relating to groups and explores processes which occur in adult groups. Participants deal with practical applications for educational settings, with special emphasis on developing facilitating skills.
Courses: ED54
Credit Points: 12
Contact Hours: 3 per week

PRB309 INSTRUCTIONAL STRATEGIES FOR ADULT & WORKPLACE EDUCATORS
Exploration of theories and practices related to effective instructional strategies in diverse settings; introduction to skills and concepts required by competent practitioners in formal and non-formal teaching and learning settings within workplaces and communities.
Courses: ED54
Credit Points: 12
Contact Hours: 3 per week

PRB310 PROGRAMMING IN ADULT & WORKPLACE EDUCATION
Important aspects of responsive programming for adult and workplace education. Covers the planning, implementation, evaluation and reflection components of program development, design and delivery.
Courses: ED54
Credit Points: 12
Contact Hours: 3 per week

PRB311 LAW IN THE ADULT & WORKPLACE ENVIRONMENT
Recent legal and legislative developments mean that employers and employees require greater awareness of their legal responsibilities in all workplace environments. This unit provides a level of legal literacy appropriate to sound legal risk management in workplace settings.
Courses: ED54
Credit Points: 12
Contact Hours: 3 per week

PRB312 OPEN LEARNING & FLEXIBLE DELIVERY
Deals with the concepts and research relating to ‘open’ and ‘distance’ learning as well as ‘flexible’ and ‘workplace’ delivery using a range of communications and information technologies. Experience in the use of the technology and educational design, strategies and techniques is developed. (Students will need easy access to a computer and modem.)
Courses: ED54, ED61
Credit Points: 12
Contact Hours: 3 per week

PRB320 EARLY CHILDHOOD PRACTICES 3
Within the focus of teacher/child decision making, emphasis is placed on: observing social interactions and children’s making of meaning; teaching strategies relating to conflict management.
and discipline; the monitoring of children’s progress; the creation of positive learning environments, especially for children from birth to 3 years.

Courses: ED43, ED52
Prerequisites: CUB351 Early Childhood Practices 2
Credit Points: 12
Contact Hours: 2.5 per week

PRB321 EARLY CHILDHOOD PRACTICES 4
Further analysis of the complexities of interactions within learning environments, particularly relating to: maths/science; the arts; teaching strategies for the appropriate use of technology within the educational setting with emphasis on creating learning centres for children 5-8 years.

Courses: ED43, ED52
Prerequisites: PRB320
Credit Points: 12
Contact Hours: 2.5 per week

PRB322 EARLY CHILDHOOD PRACTICES 5
Within the focus of negotiation, and the teacher-child-parent-community, this unit reviews and analyses a variety of teaching approaches in early childhood, extending strategies for supporting children’s play with a particular emphasis on literature and the arts; recognising emerging professionalism; research skills and independent adult learning.

Courses: ED52
Prerequisites: PRB321
Credit Points: 12
Contact Hours: 2.5 per week

PRB323 EARLY CHILDHOOD PRACTICES 6
Synthesis of knowledge gained to date in terms of developing a personal teaching style and philosophy; ethical responsibility; the roles of the teacher as reflective practitioner, action researcher, advocate, administrator and leader; preparing for a teaching career and examining career paths in early childhood.

Courses: ED52
Prerequisites: PRB322
Credit Points: 12
Contact Hours: 2.5 per week

PRB324 PROFESSIONAL PRACTICE 1
The school experience program of 20 days provides students with opportunities to continue their observations of educational settings and to apply their professional and discipline studies to the planning, resourcing, teaching and evaluation of a series of related lessons. While observations focus on the development and implementation of school-wide curriculum, in the teaching of lessons emphasis is given to formulation of objectives, communication skills, motivation and management of learners, and self-evaluation. Students develop their skills in personal and professional relationships within the school community.

Courses: ED50, ED54
Corequisites: Curriculum Studies 1X and 1Y
Credit Points: 12

PRB325 PROFESSIONAL PRACTICE 2
This program consists of a 25 day block session with pre-placement on-campus tutorials. It concentrates on the development of those skills needed in teaching effectively units of work that are planned collaboratively with cooperating teachers. It challenges students to cater for the learning styles of their pupils by incorporating a rich variety of teaching strategies and classroom organisational skills. Students are expected, through analysis and reflection, to promote praxis between their university studies, their teaching and other school experiences.

Courses: ED50
Prerequisites: Curriculum Studies X/Y, PRB324
Credit Points: 12

PRB326 PROFESSIONAL PRACTICE 3
This program of 20 days (ED54) – 25 days (ED50) aims at extending confidence and competence in teacher roles to a level commensurate with that of a beginning teacher. Preservice teachers assume full responsibility for implementing units of work. They draw upon their teaming and other professional skills in fulfilling teachers’ day-to-day responsibilities. Emphasis is placed on self-evaluation and critical reflection.

Courses: ED50, ED54
Prerequisites: PRB325 (ED50), PRB324 (ED54)

PRB327 PROFESSIONAL PRACTICE 4: THE BEGINNING TEACHER
This unit is structured so that integration is achieved across all strands of the course in preparation for the students’ transition from ‘tertiary student’ to ‘beginning teacher’, and the career development processes which this entails. Students study research on beginning teaching across a variety of contexts. Attention is given to teacher recruitment processes.

Courses: ED50
Corequisites: Curriculum studies 2X and 2Y
Credit Points: 12

PRB328 TEACHERS AS CURRICULUM DECISION MAKERS & PROFESSIONAL PRACTICE 3
Examination of aspects of curriculum decision making to acquire the knowledge, skills and processes necessary for short-term and long-range planning. Curriculum development, curriculum implementation and curriculum evaluations are investigated to refine daily, weekly and term programs. State and federal initiatives in curriculum are assessed so that classroom teachers can confidently interpret curricula for the needs and capabilities of diverse groups of learners. The block practice component of the unit provides opportunities to design, test and refine personal decision-making models, approaches, strategies and programs.

Courses: ED51
Prerequisites: CUB361 Teachers as Managers and Professional Practice 2
Credit Points: 12
Contact Hours: 1 hour per week and 3 week block in schools

PRB329 TEACHERS AS RESPONSIVE PRACTITIONERS & PROFESSIONAL PRACTICE 4
This unit is concerned with responding effectively to the many and varied teaching/learning contexts within today’s classrooms and schools. Its focus is directed from traditional/open classroom to the wider communities encompassing state/private, rural/distance and Aboriginal/migrant education.

Courses: ED51
Prerequisites: PRB328
Credit Points: 12
Contact Hours: 1 hour per week and 3 week block in schools

PRB330 TEACHERS AS REFLECTIVE PRACTITIONERS & PROFESSIONAL PRACTICE 5
Prior to graduation, students need to synthesise the range of skills, attitudes and knowledge sources that they have experienced through the course, to ensure an effective transition into professional practice. This unit attempts to pursue this goal through further developing teachers as reflective practitioners, taking responsibility for the shaping of educational practice from their own perspective.

Courses: ED51
Prerequisites: PRB329
Credit Points: 12
Contact Hours: 1 hour per week and 3 week block in schools

PRB331 LEARNING/TEACHING ENVIRONMENTS
The environmental context for learning/teaching: the range of learning environments in education; how people interact in different learning environments; the design of learning experiences for people in non-formal learning contexts.

Courses: ED37, ED43, ED50, ED51, ED52, ED54
Credit Points: 12
Contact Hours: 3 per week

PRB332 CLASSROOM & BEHAVIOUR MANAGEMENT
Reviews and extends knowledge about managing learners to meet their needs in purposive and responsive learning environments. A reflective and research oriented evaluation of topics is encouraged, including managerial, environmental and educational conceptions of developing positive relations, teaching for motivation, and contemporary models, structures and frameworks for decision-making, relating to cooperative learning environments.
in differing classroom curriculum practices, with a view to understanding socio-historical and contemporary contexts for young children in a range of settings for early childhood education and care; observing children and the planning cycle; examining the use of play, exploration, communication and problem-solving and which take into account social and cultural contexts; adopting and promoting sound health and safety practice.

Courses: ED50  
Credit Points: 12  
Contact Hours: 2 per week

■ PRB345 SECONDARY PROFESSIONAL PRACTICE 3: THE INCLUSIVE CURRICULUM

The unit addresses the social, political and material relations in differing classroom curriculum practices, with a view to examining both the constraining and enabling factors that impact on and generate possibilities within the conceptualising and operationalising of the inclusive curriculum. Critical analysis of classroom practices and possibilities is effected in the professional practice component.

Courses: ED50  
Credit Points: 12  
Contact Hours: 2 per week

■ PRB346 SECONDARY PROFESSIONAL PRACTICE 4: THE BEGINNING TEACHER

Students synthesise the range of skills, attitudes and knowledge sources that they have experienced to ensure an effective transition into professional practice as beginning teachers, taking responsibility for the shaping of educational practice from their own perspective and those of the learners. Emphasis will be on planning and implementation of the total program.

Courses: ED50  
Credit Points: 12  
Contact Hours: 3 per week

■ PRB347 PRIMARY PROFESSIONAL PRACTICE 1: CLASSROOM MANAGEMENT

This unit provides an introduction to professional practice in education and gives a foundation for further development in the areas of specialisation and/ or specific subject curriculum areas. The role of the teacher is examined with reference to the teacher as communicator, planner, manager and facilitator of learning. It provides an opportunity for cooperative teaching of an integrated unit of work.

Courses: ED51  
Prerequisites: PRB347  
Credit Points: 12  
Contact Hours: 2 per week

■ PRB348 PRIMARY PROFESSIONAL PRACTICE 2: CURRICULUM DECISION MAKING

Examination of aspects of curriculum decision making to acquire the knowledge, skills and processes necessary for short-term and long-range planning. Curriculum development, curriculum implementation and curriculum evaluation are investigated to refine daily, weekly and term programs. Particular attention is given to cooperative teaching of an integrated unit of work.

Courses: ED51  
Prerequisites: PRB347  
Credit Points: 12  
Contact Hours: 3 per week

■ PRB349 PRIMARY PROFESSIONAL PRACTICE 3: THE INCLUSIVE CURRICULUM

This unit is designed to address the social, political and material relations that exist in differing classroom curriculum practices, examining both the constraining and enabling factors that impact on and generate possibilities within the conceptualising and operationalising of the inclusive curriculum. This will be done with the support of practising teachers, and critical self-analysis of classroom practices and possibilities.

Courses: ED51  
Prerequisites: PRB348  
Credit Points: 12  
Contact Hours: 2 per week

■ PRB350 PRIMARY PROFESSIONAL PRACTICE 4: REFLECTIVE PRACTICE

Prior to graduation, students need to synthesise the range of skills, attitudes and knowledge sources that they have experienced through the course, to ensure an effective transition into professional practice. This unit attempts to pursue this goal through further developing teachers as reflective practitioners, taking responsibility for the shaping of educational practice from their own perspective.

Courses: ED51  
Prerequisites: PRB349  
Credit Points: 12  
Contact Hours: 1 per week

■ PRB351 EARLY CHILDHOOD PROFESSIONAL PRACTICE 1

Understanding socio-historical and contemporary contexts for young children in a range of settings for early childhood education and care; observing children and the planning cycle; the use of play, exploration, communication and problem solving by children from birth to eight years; ten days of supervised practice in kindergarten or preschool.

Courses: ED43, ED52  
Credit Points: 12  
Contact Hours: 2.5 per week
PRB352 EARLY CHILDHOOD PROFESSIONAL PRACTICE 2
Development of planning and teaching strategies, with particular focus upon children aged three to eight years; planning from observations; discourse practices and classroom management; working in groups; policies, syllabi and resources in curriculum generation and provision; handwriting; ten days of supervised practice in preschool or kindergarten, and fifteen days in lower primary classrooms.
Courses: ED43, ED52
Credit Points: 12  Contact Hours: 2.5 per week

PRB353 EARLY CHILDHOOD PROFESSIONAL PRACTICE 3
Focus upon programs in child care and family care services; management of problems arising between children in a range of EC settings; classroom management practices; record-keeping, reporting to and relationships with parents and professional colleagues; fifteen days of supervised practice in child care centres, and ten days of supervised practice in an EC setting of the student’s choice.
Courses: ED50, ED54
Credit Points: 12  Contact Hours: 2.5 per week

PRB354 EARLY CHILDHOOD PROFESSIONAL PRACTICE 4
Refining strategies for teaching and working collaboratively with children, parents and colleagues in EC contexts; student reflection on development of own practices; roles of EC educators with regard to ethics, advocacy for young children, policy development and administration; curriculum vitae and resume; twenty days of supervised practice in an EC setting of the student’s choice.
Courses: ED52, ED43
Credit Points: 12  Contact Hours: 2.5 per week

PRB355 ACCOUNTING/BUSINESS MANAGEMENT CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
Courses: ED50, ED54  Prerequisites: Normally the completion of 48 credit points in each relevant discipline area
Credit Points: 12  Contact Hours: 3 per week

PRB356 ACCOUNTING/BUSINESS MANAGEMENT CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
Courses: ED50, ED54  Prerequisites: PRB355
Credit Points: 12  Contact Hours: 3 per week

PRB357 BUSINESS COMMUNICATIONS & TECHNOLOGIES CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
Courses: ED50, ED54  Prerequisites: Normally the completion of 48 credit points in each relevant discipline area
Credit Points: 12  Contact Hours: 3 per week

PRB358 BUSINESS COMMUNICATIONS & TECHNOLOGIES CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
Courses: ED50, ED54  Prerequisites: PRB357
Credit Points: 12  Contact Hours: 3 per week

PRB359 ECONOMICS CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
Courses: ED50, ED54  Prerequisites: Normally the completion of 48 credit points in each relevant discipline area
Credit Points: 12  Contact Hours: 3 per week

PRB360 ECONOMICS CURRICULUM STUDIES 2
Continuation of PRB359. Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
Courses: ED50, ED54  Prerequisites: PRB359
Credit Points: 12  Contact Hours: 3 per week

PRB361 GEOGRAPHY CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
Courses: ED50, ED54  Prerequisites: Normally the completion of 48 credit points in each relevant discipline area
Credit Points: 12  Contact Hours: 3 per week

PRB362 GEOGRAPHY CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
Courses: ED50, ED54  Prerequisites: PRB361
Credit Points: 12  Contact Hours: 3 per week

PRB363 HISTORY CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.
Courses: ED50, ED54  Prerequisites: Normally the completion of 48 credit points in each relevant discipline area
Credit Points: 12  Contact Hours: 3 per week

PRB364 HISTORY CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.
Courses: ED50, ED54  Prerequisites: PRB363
Credit Points: 12  Contact Hours: 3 per week

PRB365 LEGAL STUDIES CURRICULUM STUDIES 1
The nature of the curriculum area/discipline and its role and contribution as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning applied to Legal Studies; and teaching strategies and resources designed to promote a range of learning experiences.
Courses: ED50, ED54  Prerequisites: Normally the completion of 48 credit points in each relevant discipline area
Credit Points: 12  Contact Hours: 3 per week

PRB366 LEGAL STUDIES CURRICULUM STUDIES 2
Continuation of PRB365. Curriculum development within the context of contemporary policies, frameworks and agencies;
advanced teaching strategies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.

Courses: ED50, ED54
Credit Points: 12
Contact Hours: 3 per week

■ PRB367 SOCIAL SCIENCE CURRICULUM STUDIES 1
This unit assists students to develop those competencies needed for planning and teaching in selected curriculum areas. Content includes: the nature of the curriculum area/discipline and its function as a medium for education; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning activities; and teaching strategies designed to promote a range of learning experiences in selected curriculum areas.

Courses: ED50, ED54
Prerequisites: Normally the completion of 48 credit points in each relevant discipline area
Credit Points: 12
Contact Hours: 3 per week

■ PRB368 SOCIAL SCIENCE CURRICULUM STUDIES 2
Curriculum development within the context of contemporary policies, frameworks and agencies; general principles of measurement, assessment and evaluation; teaching and learning strategies; and issues and directions in curriculum development.

Courses: ED50, ED54
Prerequisites: PRB367
Credit Points: 12
Contact Hours: 3 per week

■ PRB369 CURRICULUM IN SOCIAL EDUCATION
Builds on SBB340 to develop a coherent and balanced understanding of the nature and role of Social Education, the Queensland Primary Schools Social Studies Syllabus and P-10 Social Education Framework and introduces other national and international syllabi and programs. Investigates some of the more recent significant initiatives in Social Education, such as Aboriginal and Torres Strait Island Education, Environmental Education and Global Education. Students design an innovative curriculum program for the classroom and clarify their own philosophy and degree of commitment to Social Education teaching.

Courses: ED51
Prerequisites: SBB340, Teaching Social Education
Credit Points: 12
Contact Hours: 3 per week

■ PRB370 DIRECTIONS IN SOCIAL EDUCATION
Builds on PRB369 and SBB340 and analyses the contribution to social education in the classroom of areas, themes and topics, such as teaching for a better world, environmental education, peace and justice, effective citizenship, political literacy, human rights, development education, gender and equity, global education and futures education.

Courses: ED51
Credit Points: 12
Contact Hours: 3 per week

■ PRB371 SOCIAL & ENVIRONMENTAL FOUNDATIONS
Explores from an interdisciplinary perspective a number of thematic questions about teaching: the historical development of social and environmental foundations in the study of society; the current socio-cultural context of social and environmental education; culture and beliefs as an influence on social and environmental activity; the quality of natural and social systems in the world; resources: conservation and development; place and space, continuity and change, key skills and competencies, critical and creative thinking, perceptions, attitudes and values in social and environmental studies.

Courses: ED50, ED51, ED52
Credit Points: 12
Contact Hours: 3 per week

■ PRB372 THE AUSTRALIAN LEGACY
Examination of those forces which have shaped contemporary Australia. Through a consideration of this historical legacy, a better understanding of those social, economic and constitutional developments which are currently taking place in Australia can be achieved.

Courses: ED50, ED51
Credit Points: 12
Contact Hours: 3 per week

■ PRB373 CONSUMER EDUCATION IN PRIMARY SCHOOLS
This unit provides opportunities for primary school teachers to gain an awareness of the role and functions of consumers in the Australian economy, and the interrelationship between consumers, business and the government. It discusses consumer protection laws and the need for consumer protection. An examination of various teaching strategies and teaching resources and assists teachers to plan Consumer Education teaching programs for implementation in primary schools.

Courses: ED51
Credit Points: 12
Contact Hours: 3 per week

■ PRB374 AUSTRALIA, ASIA & THE PACIFIC: A FUTURES APPROACH
An introduction to the study of futures is attempted through an analysis of principal methods and contemporary eminent contributors. Methods and models are applied to the development of future scenarios and contemporary issues relevant to the region, e.g. population and migration, political institutions and systems, resource allocation and utilisation, sustainable development, environmental issues and structural change. Using understandings from the above, teaching methods and techniques are developed for the P-10 Social Education Curriculum.

Courses: ED51
Credit Points: 12
Contact Hours: 3 per week

■ PRB375 ADVANCED CURRICULUM: ENVIRONMENTAL EDUCATION
This unit is designed to assist the beginning teacher to implement the Queensland Department of Education’s environmental policy in primary schools. The major goal is to develop expertise in the design and delivery of class programs and activities.

Courses: ED51
Credit Points: 12
Contact Hours: 3 per week

■ PRB376 ORGANISATION & ADMINISTRATION OF ADULT & WORKPLACE EDUCATION
Explores and analyses organisational structures and comparative administrative practices found to be successful in adult and workplace education settings. Special attention is given to the impact of organisational form and function; financial provision; planning and management; and organisational policy on servicing the needs of clients. The effect of national and international policies and issues; and current legislative requirements on organisational and administrative designs and processes is examined closely. Social justice considerations such as ethical practice and equity are integral components of this unit.

Courses: ED54
Credit Points: 12
Contact Hours: 3 per week

■ PRB377 STUDIES OF SOCIETIES & ENVIRONMENT/HEALTH & PHYSICAL EDUCATION
This unit develops an introductory understanding of the nature and purpose of the Wiltshire Report’s Studies of Society and Environment at the primary level. Current curriculum documents are analysed and teaching and learning strategies for their implementation are developed. The health section content includes: concepts and content incorporated in the philosophy of health education, the structure, management and evaluation of lessons in the school environment; planning learning experiences and developing health and physical education program modules.

Courses: ED51
Credit Points: 12
Contact Hours: 3 per week

■ PRB378 KNOWING YOUR ENVIRONMENT
This unit uses an interdisciplinary social science approach to explore the origins, nature and impact of various environmental issues which threaten the continuing viability of our planet.
Its aim is to develop a sound skills and knowledge base enabling students to analyse, synthesise and respond positively to many of the controversial and vital environmental problems at a local, national and global level.

**Courses:** ED52, ED51, ED43

**Credit Points:** 12

**Contact Hours:** 3 per week

### PRB379 THE CONSUMER, SOCIETY & THE ENVIRONMENT

This unit is designed to enhance the knowledge and skills of the individual in one of the most important roles in a market oriented economy. Content includes: the role and functions of consumers in the Australian economy; the interrelationship between consumers, business and government; consumer protection laws and the need for them; ways of developing pro-active consumerism; and consuming for the environment – the ‘green’ consumer.

**Courses:** ED52, ED51, ED43

**Credit Points:** 12

**Contact Hours:** 3 per week

### PRB380 FUTURE SOCIETIES & ENVIRONMENTS – AUSTRALIA, ASIA & THE PACIFIC

This unit provided a futures approach in the study of the rapidly changing Asia-Pacific region. An introduction to the study of the future is made through an analysis of principal methods and contemporary contributors such as Toffler and Jones. Methods and models that are applied are relevant to Australia, Asia and the Pacific, involving such themes as: population and migration; international relations; political institutions and systems; resource allocation and utilisation; sustainable development; environment issues and structural change.

**Courses:** ED52, ED51, ED43

**Credit Points:** 12

**Contact Hours:** 3 per week

### PRB381 PROGRESSIVE STRATEGIES FOR GENERAL & VOCATIONAL EDUCATION

The interface between general and vocational education is an issue faced by teachers in all educational systems as schools adopt and present programs in areas which were formerly the domain of TAFE. Familiarity with developments such as the competencies movement and competency based assessment, National Training Reform Agenda and National Standards Frameworks, RPL and RCC, inference from direct and indirect evidence, greater accountability in their decision-making actions and a futures perspective are but a few of the recent educational developments impinging on the profession of teaching. This unit promotes understanding and strategies which enable students to plan, implement and assess work programs in a manner consistent with contemporary educational thought.

**Courses:** ED26, ED61

**Credit Points:** 12

**Contact Hours:** 3 per week

### PRB382 ADVANCED SKILLS OF EFFECTIVE LEARNING & TEACHING

The Queensland Education Department’s corporate plan focuses on teachers having skills and attitudes to teach in a socially just framework and to facilitate effective learning and teaching. This unit develops understandings of the Principles for Effective Learning and Teaching and develops strategies which facilitate socially just teaching which is consonant with such principles and, at the same time, encourage lifelong teacher learning.

**Courses:** ED26, ED37, ED43, ED50, ED51, ED54, ED52

**Credit Points:** 12

**Contact Hours:** 3 per week

### PRB383 GETTING IT ALL TOGETHER: TEACHERS’ PROFESSIONAL WORK IN THE DIFFERING CONTEXTS OF THE PRIMARY CLASSROOM

This unit is designed to address the multidimensional, diverse and complex nature of teachers’ professional work in the primary classroom with a view to developing in graduating teachers an holistic, comprehensive and critical approach to the curriculum dilemmas that permeate their work.

**Courses:** ED51

**Credit Points:** 12

**Contact Hours:** 3 per week

### PRB384 STUDIES OF SOCIETY & ENVIRONMENT

An investigation of the Key Learning Area of Studies of Society and Environment disciplinary versus interdisciplinary approaches; analysis of key strands; values; curriculum perspectives including gender perspectives; Aboriginal and Torres Strait Islander perspectives, multi-cultural perspectives, global perspectives, futures perspectives, technology and VET perspectives.

**Courses:** ED50

**Credit Points:** 12

**Contact Hours:** 3 per week

### PRB385 STUDIES OF SOCIETY/HEALTH & PHYSICAL EDUCATION

This unit builds on the foundation established in PRB377 by allowing students to focus on significant areas such as Consumer Education, Political Education, Global Education and Legal Education. Students will design innovative curriculum programs. In the physical education section, the content includes: concepts and content incorporated in the philosophy of education, the structure, management and evaluation of physical education lessons in the school environment; planning learning experiences and developing program modules and units.

**Courses:** ED51

**Credit Points:** 12

**Contact Hours:** 3 per week

### PRB386 ENVIRONMENTAL FIELD STUDIES

This unit is designed to identify and value a wide range of field study resources and venues. Extensive involvement with field study experiences will assist students in developing appropriate skills for investigating environmental issues and concerns as well as helping students reflect and refine the usefulness and value of field experience in developing effective environmental education programs.

**Courses:** ED26, ED61

**Credit Points:** 12

**Contact Hours:** 3 per week

### PRB410 TEACHERS & THE CURRICULUM

Development of concepts and strategies essential to the processes of school-based curriculum development and the design, implementation and evaluation of relevant school programs; the significance of curriculum in the broader sense to a spectrum of individual professional teaching perspectives.

**Courses:** ED26, ED61

**Credit Points:** 12

**Contact Hours:** 3 per week

### PRB411 ADULT EDUCATION

The design and implementation of educational programs for adults; theories relating to adults as educational participants; the educational process and the environment in which it takes place; emphasis on the provision of effective adult education.

**Courses:** ED26

**Credit Points:** 12

**Contact Hours:** 3 per week

### PRB412 CLASSROOM MANAGEMENT: MODELS & PRACTICE

Practical and research-based approaches to classroom management and discipline for teachers. Includes techniques that motivate pupils in daily teaching, rule development, teaching for responsibility, dealing with parents and communication and settings for on-task behaviour and meeting student needs.

**Courses:** ED26, ED61

**Credit Points:** 12

**Contact Hours:** 3 per week

### PRB413 TEACHERS & ISOLATED LEARNERS

The isolated community; the isolated learner; consideration of various types of teaching situations in rural schools, especially small schools and distance education; teaching strategies; support services.

**Courses:** ED26, ED37, ED43, ED50, ED51, ED54, ED52

**Credit Points:** 12

**Contact Hours:** 3 per week

### PRB414 TEACHING STRATEGIES

Evaluation of the student’s teaching strategies; the literature on teaching strategies; critical evaluation of strategies/models of teaching available.

**Courses:** ED26, ED37, ED43, ED50, ED51, ED52, ED54, ED61

**Credit Points:** 12

**Contact Hours:** 3 per week
PRB415 INTRODUCTION TO EDUCATIONAL ADMINISTRATION
Introduction to educational administration with particular reference to the theory and practice of work roles, motivation, leadership, decision making, change, conflict, needs assessment and presentation of written reports for various educational settings.
Courses: ED26, ED37, ED43, ED50, ED51, ED52, ED54
Credit Points: 12
Contact Hours: 3 per week

PRB416 CLASSROOM ASSESSMENT PRACTICES
Examination of nature and purpose of assessment; traditional and contemporary developments in the assessment of students in a range of settings; test construction and validation; record keeping and reporting, with emphasis on practical applications by practising teachers.
Courses: ED26, ED37, ED43, ED50, ED51, ED52, ED54, ED61
Credit Points: 12
Contact Hours: 3 per week

PRB417 EDUCATORS & THE LAW
Legal literacy; sources of education law; students and rights; students’ law and schools; parents’ law and education; educators’ rights and obligations; educators’ and school-based accidents; educational malpractice; educational administration and law.
Courses: ED23, ED26, ED61
Credit Points: 12
Contact Hours: 3 per week

PRB419 ENVIRONMENTAL EDUCATION
Valuable for all educators concerned with communicating environmental knowledge, concepts, skills, attitudes and values in formal and informal learning situations. Participants are encouraged to pursue the objectives of environmental education within their own subject specialisations.
Courses: ED26, ED54, NS48
Credit Points: 12
Contact Hours: 3 per week

PRB420 BUSINESS ORGANISATION & MANAGEMENT
This unit is designed to assist teachers to teach Business Organisation and Management in secondary schools and other educational and training settings. It examines the philosophy of such courses, typical content, and appropriate teaching and assessment strategies.
Courses: ED26, ED50
Credit Points: 12
Contact Hours: 3 per week

PRN601 CURRICULUM INQUIRY & RESEARCH
This unit is set within the context of trends, policies and practices which impact upon the decisions made by educators as curriculum practitioners. Curriculum inquiry and research are addressed with an appreciation of how curriculum trends, policies and practices have been framed and investigated in the past; how contemporary researchers and writers conceptualise curriculum as a field of inquiry and how curriculum practitioners are central in theorising about and transforming their own professional practice as curriculum leaders.
Courses: ED13, ED11
Credit Points: 12

PRN602 PROFESSIONAL GROWTH & DEVELOPMENT
This unit is designed for those practitioners who are interested in initiating and responding to curriculum change as both individuals and in collaboration with others. It assumes that curriculum leaders at different levels are required to be both proactive and reactive towards such change and this unit seeks to develop understandings which enable them to do this. This unit cultivated uniqueness and virtuosity, is guided by individual judgments in their context and leads to individual understandings and awareness of professional development issues.
Courses: ED13, ED11
Credit Points: 12

PRN603 LEADING CHANGE IN CONTEMPORARY PROFESSIONAL PRACTICE
This unit considers a range of contemporary problems and issues in cultures and climates of incessant educational change which are impacting on the professional practice of educators. These circumstances underline the need for curriculum leadership in professional practice. Problem areas include: managing behaviour in a supportive school environment; promoting inclusion practices; interpreting and implementing educational policy, e.g. the Whitelash report; mentoring the beginning teacher; managing stress; implementing effective learning and teaching principles; translating teacher competencies into practice; creating and transforming organisational cultures. The unit provides the opportunity for students to focus on particular professional problems and issues of interest to them and, within the context of relevant literature and the realities of their particular professional situation, develop a change plan for addressing these problems and issues which is transformative and action-oriented.
Courses: ED13, ED11
Credit Points: 12

PRN604 ACHIEVING QUALITY IN EDUCATIONAL CONTEXTS
The processes of education and training are associated with implementing and ensuring quality procedures and outcomes. A major contributing factor in seeking quality in education is related to the formulation and application of appropriate assessment and evaluation techniques. The unit is designed for educational and evaluation activities for quality learning outcomes in a range of institutional, community and workplace contexts.
Courses: ED13, ED11
Credit Points: 12

PRN605 FLEXIBLE DELIVERY: PEDAGOGICAL ISSUES & IMPEMERATIVES
Educators are being increasingly confronted with the need to design and deliver education and training in an open and flexible manner. This requires an understanding of the concepts and practices of open learning, distance learning and flexible delivery, in particular using a range of information technology and telecommunications. This use of emerging technologies in an open learning approach is being accompanied by a shift to constructivist theory and practice whereby the individual learner, rather than the institution, assumes significant control of the learning process. This unit draws upon recent curriculum theory and research, with particular reference to pedagogical issues, in order to focus on the specific educator skills associated with the introduction and application of open learning and flexible modes of delivery.
Courses: ED13, ED11
Credit Points: 12

PRN611 ADULT & WORKPLACE EDUCATION: PRINCIPLES & PRACTICES
The ethical basis, the contextual basis and the expert knowledge of adult and workplace education are explored through the themes of conceptualisation, teaching adults, change, flexible delivery, assessment and legal risk management. This will provide an extensive basis for further work, including research, in the area.
Courses: ED13, ED11
Credit Points: 12
Contact Hours: 3 per week

PRN612 LEGAL RISK MANAGEMENT & WORKPLACE EDUCATION
The legal environment facing workplace educators is becoming evermore complex with significant increases in legislation and precedents arising from decisions reached in civil and industrial courts. This unit is based on a perception of workplace educators needing a level of legal literacy sufficient to recognise rights and responsibilities that will enable them, in collaboration with other specialists, to implement appropriate legal risk management strategies.
Courses: ED13, ED11
Credit Points: 12
Contact Hours: 3 per week

PRN613 STRATEGIC WORKPLACE EDUCATION & THE LEARNING ORGANISATION
This unit examines the effect of the organisational market niche and other influences on strategic decision making in workplace education. In addition, the literature on learning organisations and organisational learning is expanding rapidly and this discourse needs to be examined in the light of its strategic dependence and influence. This unit will be conducted using
the self-directed methodology of contract learning.

**Courses:** ED13, ED11, ED61  
**Corequisites:** PRN611  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**PRN616 CRITICAL APPROACHES IN SOCIAL & ENVIRONMENTAL EDUCATION**

The most exciting initiatives in social and environmental education over the past two decades have reflected visions of a world that is more peaceful, just and ecologically sustainable. These initiatives have been in areas including Development Education, Environmental Education, Global Education and Futures Education. All of these fields encompass critical pedagogical approaches. In this unit, students initially explore the philosophical assumptions of critical pedagogies, and then investigate their practical applications in major fields of social and environmental education. As well, students analyse current national and state educational policies, to evaluate the support they offer for critical approaches in social and environmental education. Students are able to base their assignment work on their own areas of expertise and interest.

**Courses:** ED13, ED11  
**Credit Points:** 12

**PRN617 ENVIRONMENTAL EDUCATION & INTERPRETATION**

Provides opportunities for students to investigate approaches to social education which are based on significant disciplines within the field – for example, history, geography and economics. There is scope for students to focus and work on this unit on one selected disciplinary area. Studies focus on recent epistemological developments within the selected discipline(s), and on pedagogical debates about the nature and value of disciplinary approaches to social education. Students analyse the ways those debates are reflected in policy formulation and curriculum practice in schools.

**Courses:** ED13, ED11  
**Credit Points:** 12

**PRN618 CURRICULUM ISSUES IN SOCIAL & ENVIRONMENTAL EDUCATION**

Some of the most enduring debates in social and environmental education focus on the role of disciplinary knowledge. For most of this century, educators in major Western countries have argued the relative merits of curricula based on single-disciplinary, multidisciplinary and interdisciplinary approaches. This unit provides opportunities for students to explore these issues in theoretical and practical curricular contexts.

**Courses:** ED13, ED11  
**Credit Points:** 12

**PRN619 ISSUES IN ENVIRONMENT EDUCATION & INTERPRETATION**

The development of research skills in students and providing them with the opportunity to critically explore issues in environmental education and make interpretations of personal professional relevance. Students undertake reading and research in an area of their choice and produce their findings in a seminar. In these seminars students critically evaluate current literature, controversial issues and debates in their area of study as well as present their findings in the form of a research report.

**Courses:** ED13, ED11  
**Credit Points:** 12

**PRN620 CIVICS & CITIZENSHIP EDUCATION – ISSUES OF CURRICULUM & PEDAGOGY**

This unit focuses on current debates about how civics and citizenship education should be theorised and practised in Australia. Students analyse changing notions of civics and citizenship, the challenges of postmodern conditions, and recent initiatives in the field. These provide contexts for the analysis and evaluation of curriculum and pedagogical approaches to civics and citizenship education. Students undertake an assignment involving critical analysis of a selected proposal and/or practice, and negotiate a second assignment task reflecting the focus of the unit.

**Courses:** ED13, ED11  
**Credit Points:** 12

**PRN625 BUSINESS ADMINISTRATION/COMMUNICATIONS EDUCATION**

Business educators and trainers working in the clerical-administrative fields are faced with continual opportunities and challenge, due to changes in the social, cultural, technological, economic and political environments. An opportunity is provided for students to develop the necessary research skills and learning strategies, and competence in advanced training strategies in order to take advantage of these opportunities and challenges.

**Courses:** ED13, ED11, ED61  
**Credit Points:** 12

**PRN626 STRATEGIES FOR BUSINESS EDUCATORS & TRAINERS**

This unit addresses major themes revolving around the workplace of the 1990s and beyond: preparation, planning, operation and management of training; evaluating, marketing and delivering training; and consulting. An opportunity is provided for students to study and critically examine advanced training and consulting methods, and then apply them to developing a training program and a consulting and marketing proposal relevant to their area of work within the field of business education and training. Teaching approaches are based on the principles of adult learning theory and practice.

**Courses:** ED13, ED11, ED61  
**Credit Points:** 12

**PRN627 STRATEGIES IN ACCOUNTING & BUSINESS MANAGEMENT EDUCATION**

This unit provides the opportunity for students to study and analyse important issues and trends relating to Accounting and Business Management Education, and then to apply their knowledge to investigating an issue or trend in their own work context. The unit also focuses on the training and curriculum development of Accounting and Business Management subjects.

**Courses:** ED13, ED11, ED61  
**Credit Points:** 12

**PRN628 TRENDS & ISSUES IN BUSINESS EDUCATION & TRAINING**

This unit provides the opportunity for students to study and analyse current issues and trends, and then to apply their knowledge to investigating an issue or trend in their own work context. The major themes to be covered in the unit relate to the identification and impact of international and national trends on the field of business education and training. Teaching approaches are based on the principles of adult learning and practice.

**Courses:** ED13, ED11, ED61  
**Credit Points:** 12

**PRN629 MARKETING IN EDUCATIONAL CONTEXTS**

This unit develops, then applies, marketing knowledge and skills, to various contexts. It allows students to produce a marketing application package to foster the teaching of marketing education in a variety of learning environments and to assist with the marketing of a variety of educational organisations and programs. It encourages a critically reflective view of the proposed educational response.

**Courses:** ED13, ED11, ED61  
**Credit Points:** 12

**PRN635 ISSUES IN CLASSROOM MANAGEMENT (CORE)**

This unit provides an overview of the domain and research on the various approaches to dealing with the prevention and management of behaviour difficulties in the school setting. These approaches include proposals for change in the structures of the school or education system, curricular strategies and methods of dealing with more difficult emotional or behavioural problems. The main emphasis of this unit however is an analysis of current management theories and the implications of these for school and classroom practice.

**Courses:** ED13, ED11  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**PRP401 TEACHING STUDIES**

Strategies for expository teaching and enquiry-based learning; generic teaching skills; interactive classroom; basic language and text processing strategies; organisation of the learning environment; lesson and activity planning routines and models.

**Courses:** ED37  
**Credit Points:** 12  
**Contact Hours:** 3 per week
- **PRP402 TEACHING STUDIES**
  Strategies for expository teaching and inquiry based learning; generic teaching skills; interactive classroom; basic language and text processing strategies, organisation of the learning environment; lesson and activity planning routines and models.
  **Courses:** ED37 (Part-time)
  **Credit Points:** 12  **Contact Hours:** 3 per week

- **PRP403 PROFESSIONAL & CURRICULUM STUDIES 1**
  The theories and practices which make up the educational repertoire of a classroom teacher; development of a coherent conceptual understanding of teaching and managing learning, particularly as it applies to arts education and physical education.
  **Courses:** ED36
  **Credit Points:** 12  **Contact Hours:** 3 per week

- **PRP404 PROFESSIONAL & CURRICULUM STUDIES 2**
  Investigation of the process of curriculum development, particularly in social environment, human relationships education, health studies and science in primary schools.
  **Courses:** ED36
  **Credit Points:** 12  **Contact Hours:** 3 per week

- **PRP405 ACCOUNTING CURRICULUM STUDIES 1**
  The nature of Accounting/Business Management education and its role and contribution as a medium for education; introduction to the relevant syllabuses and curriculum documents; lesson and curriculum planning activities; teaching strategies designed to promote a range of learning experiences in the Accounting/Business Education areas.
  **Courses:** ED36
  **Credit Points:** 12  **Contact Hours:** 3 per week

- **PRP406 ACCOUNTING CURRICULUM STUDIES 2**
  Consideration and practical application of curricular and teaching principles in the Accounting/Business Management area, emphasis on the use of computers; development of work programs, assessment programs and teaching packages in Accounting/Business Management areas. Establishment of principles which are used to guide school experience during teaching practice and also as a beginning teacher; contemporary issues and emerging trends in Accounting/Business Management education and curriculum development.
  **Courses:** ED37  **Prerequisites:** PRP405
  **Credit Points:** 12  **Contact Hours:** 3 per week

- **PRP407 ECONOMICS CURRICULUM STUDIES 1**
  The nature of Economics and its role in the general curriculum; introduction to relevant syllabuses and curriculum documents; lesson and curriculum unit planning applied to Economics; teaching strategies and resources designed to motivate students and promote a range of interactive learning experiences.
  **Courses:** ED37
  **Credit Points:** 12  **Contact Hours:** 3 per week

- **PRP408 ECONOMICS CURRICULUM STUDIES 2**
  Continuation of PRP407. Curriculum development within the context of contemporary policies, frameworks and agencies; advanced teaching strategies and the use of computers in teaching Economics; unit development; assessment and evaluation in Economics; issues and directions in curriculum development.
  **Courses:** ED37  **Prerequisites:** PRP407
  **Credit Points:** 12  **Contact Hours:** 3 per week

- **PRP409 GEOGRAPHY CURRICULUM STUDIES 1**
  The interpretation of Geography syllabi in Queensland; the nature and role of Geography in general education; lesson and unit planning; teaching and learning approaches designed to promote different classroom activities and cater for different students’ needs.
  **Courses:** ED37
  **Credit Points:** 12  **Contact Hours:** 3 per week

- **PRP410 GEOGRAPHY CURRICULUM STUDIES 2**
  Continuation of PRP409. Examination of the broader issues of Geographical education and the roles of Geography teachers in the community and the profession.
  **Courses:** ED37  **Prerequisites:** PRP409
  **Credit Points:** 12  **Contact Hours:** 3 per week

- **PRP411 HISTORY CURRICULUM STUDIES 1**
  Development of a rationale for inquiry-based curricula in History for secondary schools, application of inquiry-based principles to curriculum development at levels from school programs to individual lessons.
  **Courses:** ED37
  **Credit Points:** 12  **Contact Hours:** 3 per week

- **PRP412 HISTORY CURRICULUM STUDIES 2**
  Continuation of PRP411. Assessment of principles and practices; evaluation of the potential for History to contribute to emerging fields of social education, including global education and development education.
  **Courses:** ED37  **Prerequisites:** PRP411
  **Credit Points:** 12  **Contact Hours:** 3 per week

- **PRP413 LEGAL STUDIES CURRICULUM STUDIES 1**
  Legal Studies in the school curriculum; socially critical approach to the teaching of Legal Studies; overview of the Legal Studies course in Queensland; lesson and curriculum unit planning activities; basic teaching strategies to promote a range of learning experience in Legal Studies; developing basic teaching skills related to the first teaching practice session.
  **Courses:** ED37
  **Credit Points:** 12  **Contact Hours:** 3 per week

- **PRP414 LEGAL STUDIES CURRICULUM STUDIES 2**
  Continuation of PRP413. Curriculum development within the context of contemporary principles; advanced strategies to further promote a range of learning experiences; assessment and evaluation techniques; assessment programs and teaching packages in Legal Studies; issues and directions in curriculum development.
  **Courses:** ED37  **Prerequisites:** PRP413
  **Credit Points:** 12  **Contact Hours:** 3 per week

- **PRP415 OFFICE COMMUNICATIONS TECHNOLOGY CURRICULUM STUDIES 1**
  The nature of office communication technology, its role in the general curriculum; introduction to relevant syllabuses and curriculum documents; basic teaching strategies (including microteaching), and resources designed to motivate students and promote a range of participative learning experiences.
  **Courses:** ED37
  **Credit Points:** 12  **Contact Hours:** 3 per week

- **PRP416 OFFICE COMMUNICATIONS TECHNOLOGY CURRICULUM STUDIES 2**
  Continuation of PRP415. Curriculum development within the context of contemporary policies; advanced teaching strategies; unit development; general principles of measurement, assessment and evaluation; issues and directions in curriculum development which are pertinent to office communications technology; opportunities to assist students reflect on their own professional development, as they prepare for a teaching career.
  **Courses:** ED37  **Prerequisites:** PRP415
  **Credit Points:** 12  **Contact Hours:** 3 per week

- **PRP501 CURRICULUM: LEARNERS WITH SPECIAL NEEDS**
  Introduction to curriculum development and situational/self-analysis; innovative program approaches for learners with special needs; changing ourselves and our educational environments; evaluation of curriculum development; resource teacher support for school-based curriculum development, human relationships education and participation and equity; communication about improved programs.
  **Courses:** ED28
  **Credit Points:** 12  **Contact Hours:** 3 per week
■ PRP012 FINANCIAL MANAGEMENT IN EDUCATION SETTINGS
The financial aspect of managing an educational setting: variables, financial management control problems, the basic accounting principles and skills used in the recording and management of school financial transactions; guidelines for the efficient and effective use of limited school financial resources.
Courses: ED23, ED61
Credit Points: 12

■ PSB010 PLANNING/LANDSCAPE DESIGN 1
(a) Theory – Basic Principles of Design: design vocabulary, design principles. Problem Solving: vocabulary, techniques.
(b) Studio – Projects to encourage an understanding of design: seeing through use of line, form (including land form), colour, texture, etc., using design principles (through exemplars), thinking design (developing design through sequential stages such as intentions, resources, and resolutions).
Courses: BN30
Credit Points: 12
Contact Hours: 4 per week

■ PSB011 PLANNING/LANDSCAPE DESIGN 2
(a) Theory – The Design Process and Objective Setting. Site Planning: exploration of open space theory at regional and local scales; definition of spatial characteristics by edges, nodes, landmarks, districts, and paths; sense of place; structure and form; legibility; imageability; etc.; human responses and user inputs related to the development of methodologies. The process of design: understanding the process, techniques of using the process, and establishing and communicating objectives and strategies. Small group work will be used as support.
Courses: PSB010
Credit Points: 12
Contact Hours: 4 per week

■ PSB012 PLANNING/LANDSCAPE DESIGN 3
Site planning and problem-solving theory; studio exercises developing the capacity to analyse the nature and use of spaces and to understand the role of creative expression in design; formal oral presentation techniques (informal and persuasive) including meetings, conferences, interviews and speeches.
Courses: BN30
Prerequisites: PSB010, PSB011
Credit Points: 21
Contact Hours: 9 per week

■ PSB013 PLANNING/LANDSCAPE DESIGN 4
Site planning techniques. The studio exercises link work commenced in site planning theory and site planning techniques; integrates issues covered in PSB012 with the technical and practical aspects of site planning and design.
Courses: BN30
Prerequisites: PSB010, PSB011, PSB012
Credit Points: 20
Contact Hours: 6 per week

■ PSB014 PLANNING/LANDSCAPE DESIGN 5
Confirms the student’s appreciation of the coherence of the design process by a single integrated semester-long project. Secondly, the exercise focuses on interdisciplinary skills by undertaking joint work with the architecture students.
Courses: BN30
Prerequisites: PSB010, PSB011, PSB012, PSB013
Credit Points: 20
Contact Hours: 6 per week

■ PSB015 PLANNING/LANDSCAPE DESIGN 6
Expansion of students’ planning and design skills by increasing the complexity and scale of projects and introducing problems requiring knowledge and skills drawn from the human environment, natural environment and technology study areas. The three projects for the semester focus on the development of a significant urban area.
Courses: BN30
Prerequisites: PSB010, PSB011, PSB012, PSB013, PSB014
Credit Points: 20
Contact Hours: 6 per week

■ PSB018 LAND USE GENERATION
Courses: BN30, PS47, PS48
Credit Points: 4
Contact Hours: 2 per week

■ PSB019 PLANTING DESIGN
Design characteristics and criteria. Use of plants as structural and design elements within landscape principles to planting design; scale; design for change, growth, replacement and maintenance. Planting design in schemes such as streets, highways, parks, urban forecourts and interior plantscapes, gardens and broad scale regeneration and stabilisation.
Courses: BN30
Prerequisites: PSB057
Credit Points: 3
Contact Hours: 1 per week

■ PSB020 LAND USE POLICIES
Review of the government structure as applied to urban areas and regions. The levels of urban planning. How urban policies are made. Organisations as policy makers and policy implementors. Areas of conflict and their resolution. The various levels and types of land use planning. Major land uses and activities; work, housing, recreation, transport and welfare.
Courses: BN30, PS47, PS48
Prerequisites: PSB018
Credit Points: 4
Contact Hours: 2 per week

■ PSB021 CONSERVATION THEORY
Introduction to the concepts of conservation and preservation. The structure of conservation legislation and responsibility in Australia. ICOMOS and the Burra charter. The particular requirements of places, landscapes and precincts in mixed or public ownership. Application of conservation concepts and their use in the National Listings process.
Courses: BN30, PS47, PS48
Credit Points: 2
Contact Hours: 1 per week

■ PSB030 INTRODUCTION TO THE PROFESSIONS
The concept of professionalism and contemporary social expectations of the design professions; attitudes and roles within current planning and design issues. Roles and employment niches. Organisation and activities of the professional organisations. Powers, responsibilities, and activities of landscape architects, planners, and urban designers in the different forms of private and public employment. Future directions and potential work areas and practices. Introduction to the role and importance of CVs and portfolios.
Courses: BN30
Credit Points: 6 (1st year BN30 students); 3 (2nd year BN30 students)
Contact Hours: 1 per week

■ PSB032 ISSUES & ETHICS
Case studies of successful solutions to environmental problems (e.g. Oregon, London, South Australia). Implications of major environmental problems and environmental awareness for urban form and policies. Environmental impacts of technological change. Contrasting attitudes towards conservation of natural, rural and urban environments. Concept of stewardship.
Courses: BN30, PS47, PS48
Prerequisites: Completion of years 1 and 2
Credit Points: 2
Contact Hours: 1 per week

■ PSB040 GRAPHIC COMMUNICATION
A practice-based program with specialised, formal lecture inputs related to the development of methodologies. The program concentrates on the achievement of a professional standard in basic techniques of production documentation.
Courses: BN30
Prerequisites: PSB084, PSB085
Credit Points: 6
Contact Hours: 3 per week

■ PSB041 REPORT PREPARATION
Formal writing techniques, including reports, instructions, proposals, specifications, correspondence and essays. Report writing. Structure and content of reports. Summaries and subdivision of materials. Precis. Use of tables, charts, and illus-
trations in written presentation. Clarity and the selection of data.

**Courses:** BN30  
**Prerequisites:** PSB096, PSB098  
**Credit Points:** 2  
**Contact Hours:** 1 per week

**PSB051 HUMAN STUDIES**
The role of the self-concept and locus of control in transactions with the world in general: basic research principles, perception, learning processes, motivation, problem-solving; communication, characteristics, and dynamics of interacting with others; needs hierarchy.

**Courses:** BN30  
**Credit Points:** 6  
**Contact Hours:** 2 per week

**PSB052 ENVIRONMENTAL PSYCHOLOGY**
The social and cultural development of Australian urban environments with particular reference to the local built environment: the role of human functioning in urban environments; privacy, personal space, territoriality, environmental meaning and cognition, cognitive ways and wayfinding, intercultural and intra cultural differences. Application of theory by way of analysis of an urban environment with respect to its socio-cultural function.

**Courses:** BN30  
**Credit Points:** 6  
**Contact Hours:** 2 per week

**PSB053 THE HUMAN ENVIRONMENT 4**
Directing society; the roles of government and private enterprise; theories of power in society. The Australian example: three tiers of government; Australian constitution; parliamentary democracy. Queensland state administration; role of local government, quangos and statutory authorities; pressure groups and lobby groups and their influence in the built environment arena.

**Courses:** BN30  
**Credit Points:** 4  
**Contact Hours:** 2 per week

**PSB054 ENVIRONMENTAL STUDIES**

**Courses:** BN30, IF54, PS47, PS48  
**Credit Points:** 6  
**Contact Hours:** 2 per week

**PSB057 LANDSCAPE ECOLOGY 1**
Concepts of plant science and ecology which form the basic understanding necessary for design in dynamic biophysical environments; the biological world, at whatever scale of analysis we use – individual, species, population or community – is responsive in its form and function to the influences of the environment in which it lives. Through understanding the processes which regulate the impact of environment, it is possible to interpret patterns in the landscape, and predict change and design form and function.

**Courses:** BN30  
**Credit Points:** 8  
**Contact Hours:** 4 per week

**PSB058 LANDSCAPE ECOLOGY 2**
The broad division of the earth in relation to climate and soils; the ecosystem concept and its development and application at various geographic scales; concept of community ecophysiology and growth equations; ecological biogeography of Australian vegetation; classification of landscape: concepts of biogeographic regions; landscape structure: patches and corridors and the ideas of matrix and network; analysis of landscape structure and function.

**Courses:** BN30  
**Credit Points:** 8  
**Contact Hours:** 3 per week

**PSB059 POPULATION & URBAN STUDIES**
Topics include: aspects of urban structure including size/function relationships, concentric zone theory, Hoyt’s settlement patterns and problems of rural settlements. The dynamics of urban areas: the relationships and requirements of urban activities (especially residential, work and leisure activities); theories of city form and change; the problems of the CBD; the CBD fringe and the urban/rural fringe. Case studies of Australian settlements.

**Courses:** BN30, PS47, PS48  
**Credit Points:** 6  
**Contact Hours:** 2 per week

**PSB060 INTRODUCTION TO ECONOMICS**
Introduction to the basic economic problem of scarcity. Production possibilities are outlined together with various types of economic regimes. A simple macroeconomic circular flow model is introduced. The second part of the unit deals with microeconomic concepts. The market system and associated concepts of demand, supply and price equilibrium.

**Courses:** BN30, CN32  
**Credit Points:** 2  
**Contact Hours:** 1 per week

**PSB061 IMPACTS & ASSESSMENT**
Forms of impact assessment and analysis considering ecological, social and economic issues; various statutory systems. An analysis of the ecological processes as a background to assessing impact of human activities: urbanisation, resource exploitation, mining and other forms of landscape change.

**Courses:** BN30, PS47, PS48  
**Prerequisites:** PSB058, PSB059  
**Credit Points:** 5  
**Contact Hours:** 2 per week

**PSB062 ECONOMICS OF TOWN PLANNING**
This unit is essentially microeconomic; introduces urban economics and the economic aspects of town planning issues; provides techniques for economic analysis suited to planning needs; illustrates interactions with employment, industry, population and urban studies at the economic interface.

**Courses:** BN30  
**Credit Points:** 5  
**Contact Hours:** 2 per week

**PSB063 HOUSING & COMMUNITY SERVICES**
Population change and households formation. Housing conditions and preference surveys; housing issues and policies. The economics of the building and land development industries. The physical place of educational institutions in communities. Shared use of facilities. Location and space standards. Social and welfare services and their role in the community.

**Courses:** BN30, PS47, PS48  
**Credit Points:** 4  
**Contact Hours:** 2 per week

**PSB071 SITE MEASUREMENT**
Introduction to basic equipment for site measurement: levels, staffs, chains and tapes, the prismatic compass, optical prism, clinometer, range poles and their use in horizontal and vertical measurement. Introduction to recording of field data and the preparation of measured site drawings from recorded data.

**Courses:** BN30  
**Credit Points:** 4  
**Contact Hours:** 2 per week

**PSB072 DESIGN SCIENCE**
The quantity and quality of light and daylight in buildings; macro and micro climatic conditions; students are given the opportunity to conduct experiments and test models.

**Courses:** BN30  
**Prerequisites:** ARB140, CHB204, PHB144, PSB011, PSB056  
**Credit Points:** 4  
**Contact Hours:** 2 per week

**PSB073 COMPUTER TECHNIQUES**
Development of understanding, awareness, and appreciation of computers as aids in data analysis and presentation, and of basic skills to input, manipulate and analyse output; for statistical analysis of data in decision making; the range of information
systems; as a tool in landscape architecture and planning.
Courses: BN30  Prerequisites: MAB195, MAB196
Credit Points: 4  Contact Hours: 2 per week

**PSB074 LAND DEVELOPMENT**
The political, economic and physical contexts of land development; environmental services and utilities at the broad scale; the necessary design criteria for these services. Topics include: characteristics of land development projects; structure and operation of approval authorities; design considerations; impacts of electricity and gas systems on the natural environment; transport systems planning.
Courses: BN30
Credit Points: 8  Contact Hours: 3 per week

**PSB077 TRANSPORT PLANNING**
Studies include alternative modes of transport; methods for planning and forecasting urban transport patterns; techniques of transport planning and management. Movement and its alternative modes. The origin and destination approach to traffic management; interchange studies. Inter-urban traffic and regional transport planning. The relationship between land use and traffic generation.
Courses: BN30
Credit Points: 6  Contact Hours: 2 per week

**PSB078 URBAN LAND DEVELOPMENT**
Continuation of PLB456. Land development projects, their financial, marketing and local authority requirements; the housing industry, firm and industry developments and current trends; the requirements of community, public and utility services.
Courses: BN30  Prerequisites: PSB074
Credit Points: 7  Contact Hours: 3 per week

**PSB080 SOCIOLOGY OF CULTURE**
Introduction to some of the underlying social relationships and their structures in contemporary western urbanisation: concepts and ideas of capitalism and the relationships between production and current restructuring of production; other social relationships of gender, class, race, and sexuality and the construction of these concepts; the concepts of power, the role of the State, and the structure of households and organisations; aspects of consumption, mass consumption, reproduction, and social reproduction.
Courses: BN30
Credit Points: 12  Contact Hours: 3 per week

**PSB085 MEASUREMENT**
(a) Introduction to ergonomics. Static and dynamic anthropometry. Applications of anthropometrics and ergonomics to relevant design. (b) Maps and their interpretation: maps as spatial data information sources; types of maps; terrain analysis. (c) Equipment and techniques for lower level accuracy site measurement: levels, staffs, chains and tapes, prismatic compass, clinometer, optical square, range poles and their uses in horizontal and vertical measurement. Recording of field data and preparation of measured site drawings from recorded data.
Courses: BN30
Credit Points: 6  Contact Hours: 2 per week

**PSB094 GRAPHICS A**
Graphics as a tool within the planning/design process and graphics as communication of results: diagramming as support in concept and detailed exploration, lettering, layout, visual themes, different media and reproductions, scale, legibility, graphic organisation, realism and abstraction, axonometrics, perspectives, freehand and technical drawing.
Courses: BN30
Credit Points: 6  Contact Hours: 3 per week

**PSB095 GRAPHICS B**
Graphics as a tool within the planning/design process and graphics as communication of results: diagramming as support in concept and detailed exploration, lettering, layout, visual themes, different media and reproductions, scale, legibility, graphic organisation, realism and abstraction, axonometrics, perspectives, freehand and technical drawing.
Courses: BN30
Prerequisites: PSB094 prerequisite for PSB095
Credit Points: 6  Contact Hours: 2 per week

**PSB096 FOUNDATION SKILLS**
Introduction to academic life; learning skills; evaluation techniques; the QUT library as a resource; basic information retrieval skills; time and stress management; writing process for design disciplines; types, formats, styles, bibliographic conventions, use of graphics, editing.
Courses: BN30
Credit Points: 6  Contact Hours: 2 per week

**PSB097 GROUP DYNAMICS**
The ways groups work and members interact; small group communication in organised settings; verbal and non-verbal languages; development of listening, debating, and negotiating skills; understanding the role of values and personalities in group functioning.
Courses: BN30
Credit Points: 6  Contact Hours: 2 per week

**PSB098 BASIC RESEARCH METHODS & TECHNIQUES**
Using the QUT libraries; indexing and abstract services; electronic information retrieval; developing a current awareness strategy; personal file management; evaluating information; references and bibliographies; relevant statistical methods and techniques; development of a proposal.
Courses: BN30  Prerequisites: PSB096
Credit Points: 6  Contact Hours: 2 per week

**PSB190 ELECTIVE UNIT (PLANNING)**
Any approved unit selected from the undergraduate programs of the Faculty of Built Environment and Engineering, normally one of the landscape architecture courses. In special circumstances the elective unit may be selected from courses offered by QUT’s other Faculties or by another approved university.
Courses: BN30  Prerequisites: Completion of years 1 and 2
Credit Points: 3  Contact Hours: 2 per week

**PSB244 LANDSCAPE GRAPHICS**
Combined application of freehand, drafting and colour techniques. The selection of colour, theme and emphasis in graphic packages. Realism, abstraction and symbolism in landscape communication. Monochromatic graphics for simple reproduction. Integration of various graphic techniques and media. Efficient processes for production and reproduction.
Courses: BN30  Credit Points: 6  Contact Hours: 2 per week

**PSB275 LANDSCAPE CONSTRUCTION 1**
Materials and methods of construction; skills in detailing and preparation of documents. Topics include: the common building materials; foundation soils; site stormwater drainage, water and electrical services; applied systems, including paving, etc.
Courses: BN30  Prerequisites: PSB071
Credit Points: 8  Contact Hours: 4 per week

**PSB276 LANDSCAPE CONSTRUCTION 2**
Management and cost of resources and materials for professional services, production of documents and implementation of projects. Techniques of land surface manipulation including construction of platforms for building, car parks, sports ovals, etc. and associated provision of surface drainage. Lectures are accompanied by skill development exercises in a grading workbook concluding with the preparation of two set grading plans.
Courses: BN30  Prerequisites: PSB071
Credit Points: 6  Contact Hours: 4 per week

**PSB280 ELECTIVE UNIT (LANDSCAPE ARCHITECTURE)**
Final-year students are required to undertake a minimum of two hours of elective units. The elective unit may be taken in either semester or spread across both semesters depending on unit choice.
Courses: BN30  
Prerequisites: Completion of years 1 and 2  
Credit Points: 4  
Contact Hours: 2 per week

#### PSB303 ANALYSIS OF SPATIAL MEASUREMENT 1

Courses: IF54, PS47, PS48  
Prerequisites: MAB494, MAB893  
Credit Points: 6  
Contact Hours: 3 per week

#### PSB304 ANALYSIS OF SPATIAL MEASUREMENT 2
Generalised Least Squares, linearised observation equations approach to more extensive horizontal and 3-D networks including GPS data; Reliability of solutions and design of networks; Detection and treatment of systematic and gross errors.

Courses: IF54, PS47, PS48  
Prerequisites: PSB303  
Credit Points: 6  
Contact Hours: 3 per week

#### PSB306 CARTOGRAPHY 1
Freehand Drawing: field sketching; base materials: drawing instruments for survey drafting; 3-D representation: relief shading, contour interpolation; precision plotting: earth’s coordinate system; construction of map projections both manual and computer assisted; the cadastre: an introduction to its history and implications for society if the cadastre is not maintained; specifications for cadastral plan preparation: cadastral plan registering authorities requirements, simple subdivision plans; plan reproduction techniques: electrostatic diazo.

Courses: IF54, PS47, PS48  
Credit Points: 8  
Contact Hours: 3 per week

#### PSB307 CARTOGRAPHY 2
Preparation of cadastral plans for survey actions over multiple amalgamations; building units and group titles; background drawing and tenures; detail survey plans; long and cross sections for engineering projects; digital data acquisition: types of digitisers and scanners; raster/vector conversions; digitising techniques; scanning problems; output devices; printers, plotters, scanner plotters, image setters.

Courses: IF54, PS47, PS48  
Prerequisites: PSB306  
Credit Points: 10  
Contact Hours: 3 per week

#### PSB308 CARTOGRAPHY 3
Reprographics: graphic arts photography; film characteristics; emulsion properties; printing methods: offset lithography; gravure letterpress; requirements of originals; type and typesetting layout design; paper technology: ink technology, colour separation techniques and procedures for map production; half-tone photography for relief shading; desktop publishing; software capability and limitations.

Courses: IF54, PS47, PS48  
Prerequisites: PSB307  
Credit Points: 8  
Contact Hours: 3 per week

#### PSB309 CARTOGRAPHY 4
Map Design: map compilation, generalisation; compilation methods; data sources and evaluation; map design elements: composition; organisation; visual hierarchy; gestalt theory; thematic mapping; qualitative and quantitative pre-processing of spatial data; statistical methods; data classification; dot map; choropleth map isarithmic mapping cartograms; colour and visual perception; colour systems; Munsell, Ostwald, CIE, colour in cartographic design.

Courses: IF52, IF54, PS47, PS48  
Prerequisites: PSB308  
Credit Points: 8  
Contact Hours: 3 per week

#### PSB310 GEODESY 1
The earth’s gravity field, geopotential surfaces, geoid, undulations, deflection of vertical, level surfaces, normal, orthomorphic, dynamic heights; heighting systems and AHD; satellite geodesy, the GPS system, configuration, availability, reliability, ephemeredes, error sources and error budgets; GPS receivers and software; GPS applications in point positioning, differential and kinematic mode; non-geodetic applications.

Courses: IF54, PS47, PS48  
Prerequisites: PSB327  
Credit Points: 6  
Contact Hours: 3 per week

#### PSB311 GEODESY 2
Further work on spherical and ellipsoidal harmonics; Gauss’ and Green’s formulæ, Legendrè’s functions, Stokes’ formulæ; determination of geoid and best fitting spheroids; satellite datum, transformation to geodetic datum; local and geocentric geodetic datum, mutual transformations; geodetic and satellite time systems; variations in gravity, gravity measurement, gravity and height anomalies; ocean and earth tides; other geodetic space techniques; VLBI, LRR, INS, Doppler; the incorporation of these data sets into classical terrestrial data sets; geophysical aspects of geodesy: rotation of the earth, length of day, polar motion. UT1 and UT2: work of the International Earth Rotation Service; the Conventional Terrestrial System.

Courses: PS47, PS48  
Prerequisites: PSB310  
Credit Points: 6  
Contact Hours: 3 per week

#### PSB315 LAND ADMINISTRATION 1
Introduction to the nature of politics, political concepts and culture, and public policy; constitutional development in terms of its English origins, evolution of colonial self-government, federalism, and the Australian Constitution with particular reference to the effects on laws relating to land; the roles of parliament, executive government, the judiciary, the public service, local government; the exercise of political influence through pressure groups, political parties, the mass media, and issues of freedom of information; the purpose and aims of resource policy and the role of property rights in resource management.

Courses: IF54, PS47, PS48  
Credit Points: 6  
Contact Hours: 3 per week

#### PSB316 LAND ADMINISTRATION 2
An historical study of the development of land policy in Australia, highlighting the conflicts that have arisen from differing philosophies of land use and ownership; introduction to the elements of the law; the sources of the law, legal systems, the judicial hierarchy, rules of precedents, law reports, where to find the law; the basic principles and objectives of the Torrens system of land titling; concepts of government guarantee and indefeasibility; concepts of Estate, Tenure, Interests; the operation of the Torrens system in Queensland; Certificates of Title, easements, caveats, mortgages, dealings, transfers, lease, etc.

Courses: IF54, PS47, PS48  
Credit Points: 6  
Contact Hours: 3 per week

#### PSB317 LAND ADMINISTRATION 3

Courses: IF54, PS47, PS48  
Prerequisites: PSB316, PSB348  
Credit Points: 8  
Contact Hours: 3 per week

#### PSB318 LAND ADMINISTRATION 4
An introduction to Rural and Urban Sociology; defining sociology, the ecological approach, urban social structure, social patterns in urban society, deviance and urban living, rural social patterns and problems. Social Aspects of Land Administration: the impact of industrialisation land urbanisation on rural societies, the country/city dichotomy; social problems of new town and large scale suburban subdivision and urban redevelopment.

Courses: PS47, PS48  
Credit Points: 6  
Contact Hours: 3 per week

#### PSB319 LAND ADMINISTRATION 5
The role of organisation, learning as a function of time, ten-
dencies towards specialisation, the concept of synergy, problems of co-ordinating activities, the organisation of information and the significance of rule governed behaviour; economic, psychological, administrative, political and sociological perspective on organisation; systems and cybernetic approaches to organisation; the individual as a system, social systems, and adaptive systems; applications in personal psychology and development, the business firm, professional and industry organisations, government and social controls, legal institutions and public policy, and land information systems

Courses: PS47, PS48
Prerequisites: PSB315, PSB323, PSB348
Credit Points: 6 Contact Hours: 3 per week

■ PSB320 LAND DEVELOPMENT PRACTICE 1
The history of land development, especially urban land development, in Australia and in Queensland. The effects of technology and social attitudes on urban land development; sustainable land development; the physical, economic and social determinants of land use; land development as an economic activity; economic and social benefits of land development controls; site analysis and assessment; opportunities and constraints, siege mapping. GIS application; the site in its broader context; spatial models; models for levels of activity and location of activities, optimising models.

Courses: PS47, PS48
Prerequisites: PSB316
Credit Points: 8 Contact Hours: 3 per week

■ PSB321 LAND DEVELOPMENT PRACTICE 2
Elements of traffic planning, road capacities, road hierarchies; geometric layout of rural and urban roads; storm water and sewerage drainage for urban subdivisions; subdivision design; lot geometry, and orientation, road hierarchies and access; open space systems, radburn; provision and location of services; detailed treatment of development controls affecting subdivisions – negotiations, applications, appeals; preparations for Court, precedents.

Courses: PS47, PS48
Corequisites: CEB564
Credit Points: 8 Contact Hours: 3 per week

■ PSB322 LAND DEVELOPMENT PRACTICE 3
Further work on conventional and innovative subdivision design, integration of road and lot design with engineering works, especially drainage; subdivision designs and procedures for canal estates, industrial estates, group title, building units and other strata titles; costing and cash flow analysis for subdivision projects; feasibility studies, designing to a budget; preparation of a complete application for a local authority approval.

Courses: PS47, PS48
Prerequisites: PSB321
Credit Points: 16 Contact Hours: 6 per week

■ PSB323 LAND STUDIES 1
Introduction to the nature and scope of economics as a discipline; analysis of factors affecting supply and demand for goods and services; market structure, market failure and rational for government intervention into the operation of markets; land and natural resources, conservation and the environment, and the role of property rights and obligations; problems of industry location and spatial aspects of economics; consideration of economic efficiency, productivity, technological change and economic growth.

Courses: PS47, PS48
Credit Points: 6 Contact Hours: 3 per week

■ PSB324 LAND STUDIES 2

Courses: IF54, PS47, PS48
Prerequisites: PSB316, PSB323, PSB328
Credit Points: 6 Contact Hours: 3 per week

■ PSB325 LAND SURVEYING 1

Courses: IF54, PS47, PS48
Credit Points: 8 Contact Hours: 3 per week

■ PSB326 LAND SURVEYING 2

Courses: IF54, PS47, PS48
Prerequisites: PSB325
Credit Points: 8 Contact Hours: 3 per week

■ PSB327 LAND SURVEYING 3
Position fixing and resection; Contour and detail surveys, specifications, performance and assessment of DTM’s; Horizontal and Vertical alignment for route surveys; Areas, volumes and earthworks. Field astronomy theory.

Courses: IF54, PS47, PS48
Prerequisites: PSB326
Credit Points: 10 Contact Hours: 3 per week

■ PSB328 LAND SURVEYING 4
Land Title Systems, Reinstatement; an explanation of the options of land title systems, with particular reference to Commonwealth Land Tenure, Private Deeds registration, Public Deeds Registration, and Registration of Title; an analysis of the literature and case law relevant to the reinstatement of property boundaries as applicable to Queensland; an analysis of Legislation, Subordinate legislation and case law that impinges on the reinstatement process; a comparative rendering of spatial relationships. Undertaking of a field survey to reinstate the boundaries of a section in the Brisbane Metropolitan area.

Courses: IF54, PS47, PS48
Prerequisites: PSB326
Credit Points: 8 Contact Hours: 3 per week

■ PSB329 LAND SURVEYING 5
Reconnaissance for geodetic surveys; geodetic observations techniques and reduction of observations; The three classical methods of geodetic surveying, that of triangulation, trilateration and traversing; Precise levelling including the Princeton Test; Satellite surveying using GPS technology; the undertaking of a geodetic survey in accordance with Surveyors Board requirements for Registration as a Surveyor.

Courses: IF54, PS47, PS48
Prerequisites: PSB327
Corequisites: PSB304
Credit Points: 8 Contact Hours: 3 per week

■ PSB330 LAND SURVEYING 6
Field surveys for DTM’s, as-constructed surveys, associated specifications and standards; More complex setting out, control and monitoring for structures; mining surveying for surface and below surface mining activities; hydrographic surveying for exploration and port management.
Introduction to digital photogrammetry: image sampling and resampling; digital image correlation; multi-point and feature-based matching; digital geometric processing of images.

Courses: PS47, PS48
Prerequisites: PSB335, PSB336
Credit Points: 6
Contact Hours: 3 per week

PSB338 PROFESSIONAL PRACTICE

Courses: PS47, PS48
Prerequisites: Completion of not less than 240 course credit points
Credit Points: 16
Contact Hours: 6 per week

PSB340 REMOTE SENSING 1
History and Principles of Remote Sensing: introduction; definitions; principles; Electromagnetic Radiation; introduction; the electromagnetic spectrum; interaction with the atmosphere; interaction with surfaces; Types of Imagery; Image Interpretation: elements of image interpretation; image interpretation strategies; preparation for interpretation; Satellite Systems: history; current platforms. Image Resolution: target variables; system variables; operating conditions; Elementary Image Classification: informational classes and spectral classes; unsupervised classification; supervised classification; other classifications; Applications in the Earth Sciences; Land Use and Land Cover; Remote Sensing and Geographic Information Systems.

Courses: PS47, PS48
Prerequisites: PHB172
Credit Points: 6
Contact Hours: 3 per week

PSB341 REMOTE SENSING 2
Review of aspects from PSB340 Remote Sensing 1; Image Interpretation: activities of image interpretation; elements of image interpretation; techniques of image interpretation; visual requirements of image interpretation; Image Processing and Image Classification; Cartographic Presentation of Remote Sensing Data: fundamentals of cartographic presentation; approaches to cartographic presentation; rectification; Applications Environment; Terrain and Minerals: assessment and evaluation. Forest Lands: inventory and assessment; Water Resources Assessment; The Marine Environment. Weather and Climate: measurement and analysis; Crops and Soils; Urban Environments: inventory and analysis; Regional Analysis.

Courses: PS47, PS48
Prerequisites: PSB340
Credit Points: 8
Contact Hours: 3 per week

PSB342 SPATIAL INFORMATION SCIENCE 1
Introduction: what is spatial information science; maps and map analysis; First Look At Spatial Information Science: Raster SIS; Vector SIS; digital elevation models; Spatial Data Bases: spatial objects and data base models; relationships among spatial objects; data base concepts; Data Acquisition: sampling; data input; coordinate systems; map projections; transformations; georeferencing; Using Spatial Information Systems: spatial analysis; output; graphic output design issues; modes of user/SIS interaction.

Courses: PS47, PS48
Credit Points: 8
Contact Hours: 3 per week
UNIT SYNOPSES

PSB343 SPATIAL INFORMATION SCIENCE 2
Coordinate Systems and Geocoding: common coordinate systems; map projections; transformations. Vector Data Structures and Algorithms; storage of complex spatial objects; storage of lines; algorithms; polygon overlay operation; Raster Data Structures and Algorithms: raster storage; hierarchical data structures; quadtree algorithms and spatial indices; Data Structure and Algorithms for Surfaces, Volumes and Time: digital elevation models; spatial interpolation; temporal and 3-D data bases; Data Bases for Spatial Information Systems; concepts; Error Modelling and Data Uncertainty: accuracy of spatial data bases; managing errors; line generalisation; Visualisation: visualisation of spatial data; colour theory.
Courses: IF54, PS47, PS48
Prerequisites: PSB306, PSB326, PSB334, PSB342
Credit Points: 8
Contact Hours: 3 per week

PSB344 SPATIAL INFORMATION SCIENCE 3
Spatial Information Science Application Areas: application areas; resource management; urban and rural planning; cadastral administration; facilities management; System Planning: system planning overview; functional requirements analysis; system evaluation; benchmarking; System Implementation: database creation; implementation issues; implementation strategies; Other Aspects: standards; legal issues; knowledge based techniques.
Courses: IF52, IF54, PS47, PS48
Prerequisites: PSB342
Credit Points: 8
Contact Hours: 3 per week

PSB345 SPATIAL INFORMATION SCIENCE 4
Spatial Information Application Area: Decision Making in Spatial Information Systems; Spatial Information Planning: system planning; system building; system evaluation; costs and benefits.
Courses: IF54, PS47, PS48
Prerequisites: PSB344
Credit Points: 8
Contact Hours: 3 per week

PSB346 SPHEROIDAL COMPUTATIONS
Properties of the meridian ellipse. Radii of curvature, meridian arc. Spheroid as a geodetic reference surface, latitude, longitude, geod separation and ellipsoidal height. Mutual conversion of geodetic and cartesian co-ordinates. Seven parameter co-ordinate transformations; least squares parameter estimation; Point-to-point computation on the spheroid, Robbin’s long line and simplified formulae. Approximate methods of computation; dilution of precision and error propagation.
Courses: IF54, PS47, PS48
Prerequisites: MAB494
Credit Points: 6
Contact Hours: 3 per week

PSB347 TOPICS IN ENGINEERING SURVEYING
Measurement of Length, Alignment, Direction, Monitoring: Networks for monitoring, structures, subsidence. Large scale, large area, principles, self calibration, portable surveying equipment. Simple deformation assessment. Industrial measurement. Tunnelling and high rise applications.
Courses: PS47, PS48
Prerequisites: PSB304
Credit Points: 3
Contact Hours: 3 per week

PSB348 SEMINAR
Introduction to surveying, and the role of professional surveyors in society. The education and training process required for professional recognition. Verbal and written communication; conventions of academic, business and professional writing; arrangement of materials in libraries; use of bibliographies and bibliographic data bases. Introduction to word processing, editing, preparation and presentation of technical reports, papers and other documents in surveying and mapping. Introduction to electronic calculators and their use in surveying procedures.
Courses: PS47, PS48
Credit Points: 8
Contact Hours: 3 per week

PSB902 URBAN PLANNING 1
Building upon preliminary economic knowledge, urban growth theory and constraints are outlined. Population and employment changes and their effect on employment, industry and residential location are identified together with relevant definition and analytical techniques. Introduction to economic base studies, activity rates and use of multipliers. The urban labour market, unemployment and labour supply are outlined. Theory and methods of industry location are developed: types and needs of industry, retailing, retail hierarchies; office activities, location; shopping centres; and office, industrial and corporate parks. The role of government and the impact of the post-industrial society are considered.
Courses: CN32, PS47, PS48
Credit Points: 8
Contact Hours: 2 per week

PSB907 SURVEYING
Measurement technology of electronic angle and distance measurement (Total Stations) and satellite positioning (GPS) as well as levels and levelling, including single operator systems. Concepts of land information including the cadastral and parcel identification and the principle of boundary reinstatement. Automated titling and land information systems, digital data acquisition and remote sensing. Engineering surveying, digital terrain modelling, areas and volumes. Construction control and monitoring, setting out and asset recording. Industrial metrology.
Courses: CE31, CE42, CE43
Credit Points: 8
Contact Hours: 3 per week

PSB910 CONSTRUCTION SURVEYING
Concepts of surveying and measuring, revision of trigonometry functions. Levels and levelling, reading and recording observations, 2-peg test. Linear measurement, correction to measurement. The theodolite, angles and bearings, traverses and traverse calculations. Setting out, contours and volumes. Photogrammetry and mapping. Cadastre. The compulsory practicals including levelling, measurement, traversing, setting out and use of construction measurement instruments.
Courses: CN41, CN43
Credit Points: 8
Contact Hours: 4 per week

PSB911 REMOTE SENSING
Definitions and major systems for remote sensing; characteristic spectral reflectance of objects and spectral response of sensors; remote sensing acquisition hardware; remote sensing satellites; thermography and radar; data processing for presentation and enhancement; remote sensing digital image analysis and introduction to the remote sensing digital image software.
Courses: EE43
Credit Points: 8
Contact Hours: 3 per week

PSN002 CONCENTRATION STUDIES A
Students, in conjunction with and with the approval of the course Coordinator, elect to study in defined units offered outside the major or a specified reading/research program under tutorial guidance.
Courses: BN73, PS69
Credit Points: 4
Contact Hours: 1 per week

PSN003 CONCENTRATION STUDIES B
Each student undertakes approved study to develop more specialised knowledge and skills related to their specific focus of study or dissertation topic. Study may be either in defined units offered outside the major or a specified reading/research program under tutorial guidance.
Courses: BN73, PS69
Credit Points: 4
Contact Hours: 2 per week

PSN004 APPLIED RESEARCH TECHNIQUES
Research techniques, including surveys of various types, statistical analysis, remote sensing and others.
Courses: BN73, PS69
Credit Points: 4
Contact Hours: 1 per week

PSN099 DISSERTATION
Provides the opportunity to pursue in depth and with innovation an issue or problem within the chosen focus of study. This may be achieved through emphasis on either design or process. The balance between theory and design application may vary; however, a dissertation which focuses on a specific
design must be supported by a theoretical basis and analysis sufficient to define the problem and to explain how the design satisfies the conditions for a solution. Conversely, a dissertation which focuses on the development of a theory must illustrate the practical implications of the theory for the relevant classes of design.

Courses: BN73  Credit Points: 24

■ PSN027 PREPARATORY SPECIALISATION 1

This unit will assist the student to explore their elected research area in greater breadth to assist the definition of the specialisation which will be developed in depth in the Specialisation and Research Project Units; students will undertake study to develop a broad understanding of knowledge and skills related to the specific concentration and supporting the direction of the proposed Research Project topic. Study may be taken from professional level studies offered by the School, or units within the University or, where appropriate, through another university or through specialist studies offered by staff.

Courses: PS71  Credit Points: 12  Contact Hours: 3 per week

■ PSN028 PREPARATORY SPECIALISATION 2

This unit will assist the student to explore their elected research area in greater breadth to assist the definition of the specialisation which will be developed in depth in the Specialisation and Research Project Units; students will undertake study to develop a broad understanding of knowledge and skills related to the specific concentration and supporting the direction of the proposed Research Project topic. Study may be taken from professional level studies offered by the School, or units within the University or, where appropriate, through another university or through specialist studies offered by staff.

Courses: PS71  Credit Points: 12  Contact Hours: 3 per week

■ PSN029 PREPARATORY ELECTIVES 1

This unit allows development of understanding of the breadth of issues related to the elected specialisation; students will elect unit/s from within professional level studies offered by the School, or the University or, where appropriate, from other universities and approved by the Head of School on the recommendation of the student’s supervisor and which will give breadth within the student’s specialisation.

Courses: PS71  Credit Points: 12  Contact Hours: 3 per week

■ PSN030 PREPARATORY ELECTIVES 2

This unit allows development of understanding of the breadth of issues related to the elected specialisation; students will elect unit/s from within professional level studies offered by the School, or the University or, where appropriate, from other universities and approved by the Head of School on the recommendation of the student’s supervisor and which will give breadth within the student’s specialisation.

Courses: PS71  Credit Points: 12  Contact Hours: 3 per week

■ PSN031 RESEARCH PROJECT 1

This unit ensures the understanding and demonstration of relevant research skills and their effective application in a project of genuine substance and significance. Each student will undertake a Research Project in one of the elected specialisations: Landscape Design, Landscape Planning, Landscape Theory, Landscape Practice, Landscape Management. Each student will be assigned to a supervisor approved by the Course Coordinator. In general, the supervisor will provide guidance on the selection of topic, investigation and research, and preparation of the proposals and submission. Research Project 1 will incorporate advanced Information Retrieval Skills. The output will be a proposal for the specific Research Project which outlines the relevant base theory, and clearly communicates the potential extent of the Research Project.

Courses: PS70, PS71  Credit Points: 12  Contact Hours: 3 per week

■ PSN032 RESEARCH PROJECT 2

This unit ensures the understanding and demonstration of relevant research skills and their effective application in a project of genuine substance and significance. Each student will undertake a Research Project in one of the elected specialisations: Landscape Design, Landscape Planning, Landscape Theory, Landscape Practice, Landscape Management. Each student will be assigned to a supervisor approved by the Course Coordinator. In general, the supervisor will provide guidance on the selection of topic, investigation and research, and preparation of the proposals and submission. Research Project 2 requires the completion, communication and presentation of the research project to professional standard.

Courses: PS70, PS71  Credit Points: 12  Contact Hours: 3 per week

■ PSN033 SPECIALISATION

This unit ensures personalised study which will support the student’s elected specialisation and contribute directly to the better understanding of the Research Project topic. Students will undertake study to develop specialised knowledge and skills related to the specific concentration and supporting the direction of the proposed Research Project topic. Study may be taken from specific programs offered by the school or from advanced units within the University or, where appropriate, through another university or through specialist studies offered by staff.

Courses: PS71  Credit Points: 12  Contact Hours: 4 per week

■ PSN034 ELECTIVE

This unit allows development of depth in understanding of issues related to the elected specialisation. The School may offer specific programs in areas of specialisation or students will elect unit/s from within the University or, where appropriate, from other universities and approved by the Head of School on the recommendation of the student’s supervisor and which will give breadth and/or depth within the student’s specialisation.

Courses: PS70, PS71  Credit Points: 12  Contact Hours: 3 per week

■ PSN035 ADVANCED SPECIALISATION

The student develops further the approved specialised topic. Students may apply for approval for a specific Advanced Specialisation utilising units offered elsewhere in QUT or at another tertiary institution which must, for approval, be an extension of the specialisation studied in PSP510 Specialisation in an earlier semester. The Advanced Specialisation is normally linked to the PSN212 Research Project II. Areas of specialisation are Regional and Local Development, Urban Housing and Community Development, Urban Design, Environmental and Resource Planning and Special Topic.

Courses: PS70  Credit Points: 12  Contact Hours: 3 per week

■ PSN036 SPECIAL TOPICS IN PLANNING METHODS

The unit will offer support material appropriate to the specialisation the student is undertaking. For example, advanced computer models for economic and demographic forecasting; advanced Geographical Information Systems and advanced computer graphics; regional accounting and regional economic analysis; post-occupancy evaluation of the urban fabric; and possibly advanced presentation and communication techniques.

Courses: PS70  Credit Points: 12  Contact Hours: 3 per week

■ PSP011 CONSERVATION THEORY

Courses: BN73, PS69  
Credit Points: 3  
Contact Hours: 1 per week

- **PSP020 LANDSCAPE STUDIES 1**
  Landscape Graphics 1: presentation methods which reveal unique characteristics of particular design solution types; lettering and layout with particular reference to the variety of situations. These include perspective sketches, axonometric drawings, section and elevation drawings, quick model making. Introduction to Practice 1 (continues into Landscape Studies 3). The concept of professionalism and contemporary social expectation of the profession. Roles and ranges of employment in the profession, the professional institute, the powers, responsibilities, and activities of landscape architects in private and public employment, future directions, potential and job opportunities associated with landscape architecture. Written and oral communication techniques. Costing related to the professional services of promotion, obtaining commissions, allocating time and resources, and the use of consultants, including the techniques of cost control.  
Courses: PS66, PS71  
Credit Points: 12  
Contact Hours: 6 per week

- **PSP021 LANDSCAPE STUDIES 2**
  Landscape heritage. History of form, content, influencing factors and implication of the creation and development of historically, regionally and religiously significant consciously designed landscapes throughout the world. Introduction to the concepts of conservation and preservation; structure of conservation legislation and responsibility in Australia, ICOMOS and the ‘Burra’ Charter. Landscape Ecology 1 surveys the plant kingdom, emphasising evolutionary trends and consideration of plant systematics and taxonomy as scientific approaches to coping with diversity; classification and the development and use of keys for identification. Life forms as an expression of environmental influences; functional ecological units in plants and animals; populations and population regulation; limiting factors; life cycles; pollination and dispersal.  
Courses: PS66, PS71  
Credit Points: 12  
Contact Hours: 7 per week

- **PSP022 LANDSCAPE STUDIES 3**
  Landscape Graphics 2: combined application of freehand, drafting, monochromatic and colour techniques; selection of colour, theme and emphasis in graphic packages; realism, abstraction, and symbolism in landscape communication. Introduction to Practice 2: see Landscape Studies 1 for common synopsis.  
Courses: PS66, PS71  
Credit Points: 12  
Contact Hours: 4 per week

- **PSP023 LANDSCAPE STUDIES 4**
  Planting design: Introduces the operational influences on planting design (time and change, attitudes, and meanings) plus design characteristics (structure and morphology) and criteria. Naturally and culturally derived methods and precedents will be studied. Horticultural issues of plant production and availability, industry standards, plant handling and establishment for all scales and types of planting, plant disorders and treatments, plant management and maintenance. Landscape ecology 2: the broad divisions of the earth in relation to climate and soils – biomes, formations, alliances, associations and ecosystems; the ecosystem concept and its development and application historically and in Australia; biogeographic regions, provinces, land systems and land units; landscape structure and function; map air photo and remote sensed imagery; introduction to photogrammetry and use of stereoscopes.  
Courses: PS66, PS71  
Credit Points: 12  
Contact Hours: 5 per week

- **PSP024 ADVANCED LANDSCAPE STUDIES 1**
  Advanced Landscape Construction 1 (continues into Advanced Landscape Studies 3): theory and techniques for construction of platforms, land stabilisation, clearing and demolition, earth dams, lakes and flood levees, broadscale stormwater drainage and control, sports facilities and swimming pools, irrigation systems. Associated engineering services and structures and the planning/schedule/control of civil engineering works. Types of documentation used for the implementation of landscape works including working drawings, specifications, bills and schedules of quantities, and methods of production. Emphasis is given to use of computer support to build graphical data and attribute data skills. Landscape Management A: relationship between management and construction, management created/dependent landscapes and construction created landscapes.  
Courses: PS66, PS71  
Credit Points: 12  
Contact Hours: 5 per week

- **PSP025 ADVANCED LANDSCAPE STUDIES 2**
  Advanced Landscape Graphics: develop a variety of techniques of presentation graphics with particular reference to three-dimensional presentation in ‘drawn’ form. Quick techniques of animation additions to presentation drawings will be illustrated and emphasis on detail and understanding of design through section and perspective exploration will be encouraged. Advanced Landscape Practice 1: introduction to research and quality control, principles of marketing, client analysis and promotion; forum discussions will be structured around topical issues as debates, panel discussions or seminars which may involve visiting specialist lecturers and/or participants.  
Courses: PS66, PS71  
Credit Points: 12  
Contact Hours: 6 per week

- **PSP026 ADVANCED LANDSCAPE STUDIES 3**
  Advanced Landscape Construction 2: see Advanced Landscape Studies 1 for common synopsis. Landscape Management B: landscape assessment, including visual and scenic quality, environmental impact assessment components and an outline of current commonwealth, state and local government environmental assessment procedures and applications. Computer techniques: types of GIS, potential problems, and current issues, computerised three-dimensional modelling. Advanced landscape ecology; structure of landscapes and impact of human settlement; interaction between adjacent elements, wind, soil and water; connectivity of habitats and the dispersal of plants and animals; landscape and vegetation dynamics, scales of change; landscape and vegetation evaluation. Rural land use issues, systems, resource planning, rural land evaluation techniques. Resource management issues and systems, resource inventories and evaluation techniques. Approaches to conflict resolution in resource management.  
Courses: PS66, PS71  
Credit Points: 12  
Contact Hours: 6 per week

- **PSP027 ADVANCED LANDSCAPE STUDIES 4**
  Cultural Values: landscape as art or artefact; the scientific, rationalist approach and evolving environmental romanticism; functionalism, symbolism and meaning. Advanced Landscape Practice 2: approved practical experience of at least three weeks will be prerequisite to or corequisite with this unit, principles of contract law, forms of contract, standard conditions of contract and engagement,. principles of contract administration, case study, and professional presentation.  
Courses: PS66, PS71  
Credit Points: 12  
Contact Hours: 7 per week

- **PSP211 RESEARCH PROJECT 1 & ADVANCED RESEARCH METHODS**
  Literature reviews. Review of quantitative and qualitative research methodologies. Forecasting and analysis for planning and use of microcomputer statistics, information and analysis packages. Writing a research report. Preparation of a detailed research proposal with clear aims, an established methodology, a satisfactory outline, and a coherent timeline. The project outline will form the starting point for additional work in PSN212 Research Project II.  
Courses: PS70, PS72  
Credit Points: 12  
Contact Hours: 3 per week

- **PSP212 USER & CHARACTER DESIGN STUDIES**
  The values, rationales and philosophies of site planning. Design processes and dimensions, image ability and liveability
factors. The study of human functioning in environments, concepts of the life space, behaviour settings, genius loci. Design studies will be concerned with user behaviour and requirements within a specific site; analysis of the same or a different space in the light of both its own inherent character and the user needs and responses and the introduction of abstraction and three-dimensional design.

Courses: PS66, PS71
Credit Points: 12
Contact Hours: 3 per week

• PSP213 SITE PLANNING
Introduction to the processes of site planning and detailed site design that lead to defendable and accountable solutions. Application of site planning principles and theory for different scales and types of projects; site utilisation and selection; application of site survey and analysis techniques; natural and human influences in physical design; environmental and social implications of design decisions; siting and integrating activities, structures and services; landform manipulation.

Courses: PS66, PS71
Credit Points: 12
Contact Hours: 3 per week

• PSP214 RESIDENTIAL LANDSCAPE DESIGN
Introduction to the range of housing and subdivision types; how private and common land is controlled and managed; consequences for design. Controls, by-laws, standards and regulations for residential development. Studio: an intensive program requiring both group and individual work; written critique of an existing development, preparation of layouts for a range of housing development types, and detailed landscape design within a specific development type.

Courses: PS66, PS71
Credit Points: 12
Contact Hours: 3 per week

• PSP215 URBAN LANDSCAPE DESIGN
Client and user analysis, data gathering and information requirements, programming of work for site planning and detailed design services, programming of implementation; user/ function analysis and site capacity considerations and preparation of a project brief. A medium scale intensive/multiple use project which demands redesign and rehabilitation will be undertaken. Students will be expected to make time available outside studio hours to visit project site(s) and carry out such site surveys and such ‘Client’ interviews as are necessary to establish project briefs and carry out the design project.

Courses: PS66, PS71
Credit Points: 12
Contact Hours: 3 per week

• PSP216 LANDSCAPE PLANNING
The theoretical framework of landscape planning: relevant theories, methods and techniques for application in the landscape planning process. Studies will include medium to large scale projects involving a range of biophysical, cultural and visual issues with a relatively high degree of complexity. The focus will be on assessment and evaluation of related landscape attributes and issues with emphasis on landscape management options in the form of policies, guidelines and implementation strategies.

Courses: PS66, PS71
Credit Points: 12
Contact Hours: 4 per week

• PSP219 ADVANCED LANDSCAPE DESIGN
Landscape design problems of increased scope, complexity and constraint with particular reference to a specific and relevant site. Emphasis on resolution of design at a broad scale, contextual concept based on a chosen theme, through to a detailed resolution of a particular area.

Courses: PS66, PS71
Credit Points: 12
Contact Hours: 4 per week

• PSP221 LANDSCAPE CONSTRUCTION 1
Reading: understanding of contours, landform and use of sections. Introduction to measurement, recording of field data and preparation of measured site drawings. Terms: types of structures and loadings. Land grading: manual techniques of land surface manipulation; design of platforms for buildings, car parks, sports ovals, and other features and the associated provision of surface drainage. Development of understanding of the properties of common construction materials and their application in landscape construction. Techniques for preparation of construction documents.

Courses: PS66, PS71
Credit Points: 12
Contact Hours: 4 per week

• PSP222 LANDSCAPE CONSTRUCTION II
Reading: understanding of contours, landform and use of sections. Introduction to measurement, recording of field data and preparation of measured site drawings. Terms: types of structures and loadings. Land grading: manual techniques of land surface manipulation; design of platforms for buildings, car parks, sports ovals and other features and the associated provision of surface drainage. Development of understanding of the properties of common construction materials and their application in landscape construction. Techniques for preparation of construction documents.

Courses: PS66, PS71
Credit Points: 12
Contact Hours: 3 per week

• PSP311 PROFESSIONAL PRACTICE MANAGEMENT
Business communication; oral communication, interviews, meetings, workshops and seminar presentations; office management; small business law; trade practice, contract, taxation, employment; workplace and safety legislation; professional ethics, professional bodies, Surveyors Act and Regulations, disciplinary procedures, relationships, clients and marketing; survey integration; aspects of change; roles of barrister and solicitor; brief for court appearance; expert witness; government agencies.

Courses: PS68
Credit Points: 12
Contact Hours: 9 per week

• PSP312 SURVEY COMPUTING & PROCESSING
DOS operating system and computer programming; word processing, project management, spreadsheets, programmable calculators for field use; surveying and drafting packages; management and technical applications.

Courses: PS68
Credit Points: 8
Contact Hours: 6 per week

• PSP313 SURVEY PROJECT MANAGEMENT
Quality assurance; client requirements, submission, execution and wrap-up; complex projects, involving resources, costs and timing; network methods; project management software; time costing, hourly rates and chargeable time; involvement with clients and other consultants; project team building; project specifications; technical requirements field methods, bookkeeping forms and equipment; overseas projects.

Courses: PS68
Credit Points: 8
Contact Hours: 6 per week

• PSP314 BOUNDARY DEFINITION SURVEYS 1
Land registration requirements; cadastral history, field procedures and records; reinstatement theory and practice related to urban and rural boundaries; field survey work involving the redefinition of urban and rural boundaries; office reinstatement exercises of increasing complexity to develop the necessary skills in assessing various types of survey problems; office completion of project work, including plan preparation using appropriate computer technology.

Courses: PS68
Credit Points: 12
Contact Hours: 9 per week

• PSP315 PROPERTY DEVELOPMENT SURVEYS
Legislation; urban and rural subdivision design and requirements; procedures involved with rezoning and subdivision applications; building units and group titles developments; multiple use development.

Courses: PS68
Credit Points: 8
Contact Hours: 6 per week

• PSP321 SPATIAL INFORMATION SYSTEMS
Assessment of maps and aerial photographs as data sources; mapping specifications; planning mapping projects; aerial photography, flight planning and costing; ground control re-
requirements, including placement of ground targets and photo identification of ground points; aerial triangulation, stereo plotting, map production and digital data aspects; planning, costing and preparation of specifications for comprehensive mapping task; GPS theory and practical application; LIS/GIS technology and its practical application.

Courses: PS88
Credit Points: 28

■ PSP322 ENGINEERING SURVEYING
Assessment of available technology, configuration of measuring systems and recording of data; project definition, preparation of specifications including field methodology, documentation requirements of field records, determination and assessment of results; management of engineering survey projects, including costing, submissions, working with other professionals, dealing with on-site variations; long-line survey control; road surveys; flood surveys; curves, batter staking, other marking for construction and road design.

Courses: PS68
Credit Points: 12
Contact Hours: 6 per week

■ PSP332 PROJECT SITE SURVEYS
Detail surveying; methods, equipment, data requirements and data transfer; specifications and estimate of costs; field detail survey; processing of field data, report and plan presentation; types of construction and building control surveys; preparation of plans and specifications; building construction site inspection; instructions, documentation and communication with contractors; high precision survey and error adjustment techniques involved with construction and building control surveys; construction site set out calculations.

Courses: PS68
Credit Points: 8
Contact Hours: 6 per week

■ PSP344 BOUNDARY DEFINITION SURVEYS 2
Complex and difficult reinstatement exercises; field survey project work associated with difficult boundary definition; field survey project work associated with boundary definition for easement surveys and mining lease surveys.

Courses: PS68
Credit Points: 12
Contact Hours: 9 per week

■ PSP354 PROPERTY MANAGEMENT SURVEYS
Requirements for survey and registration of plans in various government Acts relating to surveying; easements for transmission lines; easement surveys; dealing with client, proposal, costing and submission, field survey and plan preparation; road closures, location certificates and lease surveys; cadastral survey problem areas.

Courses: PS68
Credit Points: 8
Contact Hours: 6 per week

■ PSP401 URBAN DESIGN ANALYSIS STUDIO
This unit emphasises the development of skills in analysis related to the urban design process and adequate communication of the results.

Courses: BN73, PS69
Credit Points: 12
Contact Hours: 3 per week

■ PSP402 URBAN DESIGN CONTEXT STUDIO
Students undertake studies typically from a community participation project, a sense of place project, a conservation and infill project for the redevelopment/rehabilitation of urban precincts or residential areas. Techniques of guidance and control: the use of regulations, ratios and performance standards. Positive planning and the use of incentives for good design: bonuses, transferable rights, advance publication of permissible development, rapid decisions, early dissemination of information. Work in other units of study is related to this unit.

Courses: BN73, PS69
Credit Points: 12
Contact Hours: 3 per week

■ PSP403 URBAN DESIGN CONJECTURE STUDIO
Identification and classification of approaches to urban design. The setting of objectives, the adoption of a method and the testing of implications for a particular urban design problem type. Students are required to undertake studies typically from: local area, precinct, part of the city, the city as a whole. Where applicable, work in other units of study is incorporated into this unit.

Courses: BN73, PS69
Credit Points: 12
Contact Hours: 3 per week

■ PSP405 URBAN DESIGN FIELD STUDIES
This unit consists of a field trip of approximately ten days' duration. Visits to successful and unsuccessful examples of urban design and to design offices in the eastern states and the Australian Capital Territory. Students analyse existing and proposed examples in the context of their original design criteria including cultural, social, political, economic and physical aspects to understand the applicable design rules. Examples are reviewed through site visits, discussion and seminars with designers and users.

Courses: BN73, PS69
Credit Points: 4
Contact Hours: 10 days

■ PSP411 ENVIRONMENTAL PSYCHOLOGY
The social and cultural development of Australian urban environments, with particular reference to the local built environment. The study of human functioning in urban environments. Theory: privacy, person space, territoriality, environmental meaning and cognition, cognitive ways and wayfinding, intercultural and intracultural differences. Application via examination and analysis of an urban environment or an artefact with respect to its socio-cultural function.

Courses: BN73, BN75, PS69
Credit Points: 2
Contact Hours: 2 per week

■ PSP416 COMPUTER-AIDED DATA ANALYSIS
The development of skills and application of computer aided data analysis in design. The emphasis is on building graphical data and attribute data skills; database management software; input and manipulation of data; development of graphic skills using the Autocad system.

Courses: BN73, BN75, PS69
Credit Points: 2
Contact Hours: 1 per week

■ PSP421 HISTORY OF URBAN SYSTEMS
Analysis of urban forms and systems in the pre-industrial, industrial and post-industrial periods. Specific topics include urban activities: commerce, manufacture, administration, dwelling, recreation and culture; urban services: water supply, transportation, defence and public order, fire control, sewage and waste disposal, fuel and power, public information; urban form: planning for intelligibility, planning for propriety and symbolism, planning for delight.

Courses: BN73, PS69
Credit Points: 4
Contact Hours: 1 per week

■ PSP424 URBAN DESIGN THEORY & CRITICISM
The characteristics of good theory in the field of urban design in relation to the work of a number of theoretical writers and schools. Specific topics include theoretical writing on urban design before 1800, theory and practice in the nineteenth century, the kunstleriichen Grundsatzen of Camillo Sitte, the Garden City movement, Le Corbusier and Modernism, the Townscape movement, Jacobs and ‘The Death and Life of Great American Cities’, Alexander on the urban system, the intelligible city, the work of Lynch and Appleyard, Rapoport on urban meaning, Habraken, Rowe and the city as independent artefact, Canter, Relph and Tuan on the phenomenology of the city, Maitland’s analysis of urban design concepts.

Courses: BN73, PS69
Credit Points: 4
Contact Hours: 1 per week

■ PSP432 URBAN LANDSCAPE
The city as a landscape unit, examples of city/site relationships; contribution of natural factors and patterns: topography, soils, drainage, vegetation, climate; towards better delineation of urban form and character. Spaces and their organisation, the city as spatial entity, sequential experience; spaces for specific purposes; choreography of spaces: use, settings, and furnishings, enclosures, floors, overhead structures, services, features, finishes. Natural elements and their nurturing within urban areas:
Courses: BN73, IF64, PS69
Credit Points: 4
Contact Hours: 1 per week

PSP434 URBAN SERVICES & FUNCTIONS
Urban services: functional services of power, telephone, gas, water, stormwater and sewerage reticulation; controlling authorities, planning requirements and controls relevant to urban design. Community services related to health, safety and welfare, such as medical, fire, emergency services, libraries, police, community participatory groups; controlling authorities, extent of services provided and controls relevant to urban design. Origins and destinations of traffic movements. The road hierarchy and its characteristics. Features of major terminals, car parks, pedestrian and cycle networks. Modes of travel and transport systems, railway and light rail, water, evaluation of comparative system. Major traffic generators: airports, terminals, CBD circulation. Related environmental and design issues: noise, atmospheric pollution, physical and visual impacts of different systems and traffic channels. Future trends in transport and movement systems and related issues.
Courses: BN73, PS69
Credit Points: 4
Contact Hours: 1 per week

PSP441 COMPUTER APPLICATIONS IN URBAN DESIGN
The use of computers to analyse and solve urban design problems and communicate solutions. Feasibility studies; land use studies; generation of envelope and space layouts; environmental and service systems analysis; development control testing; data handling and manipulation; computer graphics; interactive design systems.
Courses: BN73, PS69
Credit Points: 4
Contact Hours: 1 per week

PSP442 LAW & LEGISLATION IN URBAN DESIGN
Legislative controls and law reform related to urban design and the development process with specific reference to Queensland. Topics include the potential range of legislative controls, principal relevant legislation in Queensland and its impacts on urban design, the development control authority, arbitration processes of the state government and influence of additional legislation (e.g. Group Title, Heritage Acts, pedestrian malls) on the urban design process.
Courses: BN73, PS69
Credit Points: 4
Contact Hours: 1 per week

PSP501 ENVIRONMENTAL PLANNING & ASSESSMENT
Applied studies in geology and geomorphology, climate, soils and hydrology, the broad soil and plant community associations, sustainability and urban planning. Environmental economics. Land capability, Environmental ethics. Environmental impact studies and assessment techniques, including social impact assessment. Public and environmental policy. Approaches to land tenure and beliefs about land. Relevant environmental policy development and alternative strategies at national, state and local levels.
Courses: PS70, PS72
Credit Points: 12
Contact Hours: 3 per week

PSP502 ECONOMIC & SOCIAL FOUNDATIONS OF PLANNING
Courses: PS70, PS72
Credit Points: 12
Contact Hours: 3 per week

PSP503 PLANNING & RESEARCH METHODS
The structure, methodological context and elements of the planning process. The role of objectives, information, interpretation, policy formulation, generation of alternatives, evaluation and monitoring. Use of quantitative methods and reasoning. Qualitative research, including case studies. Survey design, administration and analysis. Use of maps and other cartographic resources. Computer-based methods of analysis and presentation of data. Research design, including writing of research proposals. Oral and written presentation.
Courses: PS70, PS72
Credit Points: 12
Contact Hours: 3 per week

PSP504 URBAN SYSTEMS & INFRASTRUCTURE
Courses: PS70, PS72
Credit Points: 12
Contact Hours: 3 per week

PSP505 PLANNING IN SOCIETY
Major issues in contemporary society, including gender, multiculturalism, etc., public policies in areas such as education, employment, housing, urban and regional development, health, income and education. Public participation and community action; planning aid and advocacy planning. Conflict management, resolution and negotiation. Social impact assessment.
Courses: PS70, PS72
Credit Points: 12
Contact Hours: 3 per week

PSP506 PLANNING THEORY & ETHICS
Major contributions to planning and decision-making theory, including the rational comprehensive, incrementalist, mixed scanning and other models. Critical and political economy theory and other theories for planning. The nature and role of a professional and professionalism; codes of practice and ethics; the role of the professional planner in the private and public practice; situations of professional conflict; the role of the expert witness.
Courses: PS70, PS72
Credit Points: 12
Contact Hours: 3 per week

PSP507 PLANNING PROCEEDURES & LAW
Planning law and administration in Queensland and Australia, with international comparisons. Corporate and strategic planning, project management. Planning communication and negotiation skills, particularly in implementing planning proposals. Evaluation of planning projects and their outcomes. Community and local economic development.
Courses: PS70, PS72
Credit Points: 12
Contact Hours: 3 per week

PSP508 PLANNING PRACTICE I
The core of this unit is a problem-solving group project set in an inner metropolitan or small town location, normally undertaken in conjunction with local communities and councils. A subdivision exercise may be included as part of the major project or as a separate scheme. This unit offers scope for the application of knowledge and skills in the fields of site analysis and planning and land development. Lectures on these and other related topics provide relevant inputs to this practice oriented unit. Lectures will include relevant aspects of planning legislation. The unit will include examples of recent best practice in the planning field (e.g. through the Commonwealth Local Approval Review Process review or related programs).
Courses: PS70, PS72
Credit Points: 12
Contact Hours: 3 per week

PSP509 REGIONAL & METROPOLITAN POLICY
Theories of regional and metropolitan development. Regional analysis methods, including input-output models, economic base studies and the like. The impact of the Australian federal
system and inter-governmental relations on the ways in which metropolitan and other regions are planned and governed. Regional and metropolitan polices and management, including coordinating mechanisms. Regional and metropolitan management models and comparisons. The role of statutory authorities. Planning for rural and regional areas. Principles of regional environmental and land use planning and approaches such as integrated catchment management.

Courses: PS70, PS72
Credit Points: 12
Contact Hours: 3 per week

■ **PSP510 SPECIALISATION**

The student undertakes a supervised program of study in an approved selected field. The student may choose from a limited list of approved fields, depending on staff expertise and availability. Students may apply for approval for a specific specialisation utilising units offered elsewhere in QUT or at another tertiary institution which must, for approval, also lead on to an Advanced Specialisation if they are enrolled in PS70. Students will normally choose a specialisation which relates to their intended Research Project. Areas of Specialisation are Regional and Local Development, Urban Housing and Community Development, Urban Design, Environmental and Resource Planning, and Special Topic.

Courses: PS70, PS72
Credit Points: 12
Contact Hours: 3 per week

■ **PSP512 PLANNING PRACTICE II**

The core of this unit is a problem-solving group project focusing on a planning region which is generally larger and more complex than a single town, such as a town and its hinterland, a metropolitan region or a functional rural region. This unit offers scope for the application of knowledge and skills gained in other units, including PSP509 Regional and Metropolitan Policy. Relevant aspects of planning legislation will be included.

Courses: PS70, PS72
Credit Points: 12
Contact Hours: 3 per week

■ **PSP513 FIELD TRIP**

The field trip will consist of a structured, staff-guided visit of about one week to one or more of a number of appropriate locations, including non-metropolitan areas of Queensland, other metropolitan centres in Australia, and possibly overseas.

Courses: PS70, PS72
Credit Points: 0
Contact Hours: 1 week

■ **PUB103 PRIMARY HEALTH CARE I**

This unit introduces students to the principles, strategies and practice or primary health care with special reference to community, family and workplace settings. The importance of health promotion, prevention, empowerment and intersectoral collaboration in primary health care will also be examined.

Courses: PU40
Credit Points: 12
Contact Hours: 3 per week

■ **PUB105 PSYCHOSOCIAL & CULTURAL STUDIES OF THE FAMILY**

An introduction to the social sciences (Sociology, Psychology and Anthropology) which underpin the study of the family. Special application to the provision of food, clothing and shelter on the basic need of individuals and families.

Courses: PU40
Credit Points: 12
Contact Hours: 3 per week

■ **PUB107 INTRODUCTION TO ENVIRONMENTAL HEALTH**

A brief history of environmental health in Queensland; the current role of environmental health officers within the public health agencies at all levels of government and the principal public health legislation in this state; development of an understanding of introductory law and environmental law, the complexity of environmental systems, the effects of pollutants on such systems and the interdisciplinary approaches needed to address these problems.

Courses: PU40
Credit Points: 12
Contact Hours: 4 per week

■ **PUB112 OCCUPATIONAL HEALTH & SAFETY I**

This subject will introduce students to the basic concepts and theoretical framework of occupational health and safety such that they can identify health and safety problems in the workplace; be aware of strategies for dealing with such problems; and become familiar with the legislation, government agencies and health personnel associated with the working environment. Topics covered will include the physical, Chemical and biological environments, ergonomics. The students will also develop knowledge and skills associated with the actual measurement of the physical and Chemical working environment and evaluation of the data collected.

Courses: PU40
Contact Hours: 3 per week

■ **PUB123 HUMAN DEVELOPMENT & RELATIONSHIPS**

This unit is concerned with the wellbeing of individuals and families; to achieve this goal, individuals must have an understanding of development from conception to old age, and a critical awareness of the social processes which influence this development.

Courses: PU40
Credit Points: 12
Contact Hours: 3 per week

■ **PUB127 HEALTH ISSUES IN AUSTRALIA**

Australians major health concerns; the multidimensional nature of health; initiatives undertaken to address health problems at individual, community and national levels; prevention as a pivotal concept in health status.

Courses: PU40, ED50, ED51, IF74
Credit Points: 12
Contact Hours: 3 per week

■ **PUB130 AUSTRALIAN HEALTH INDUSTRY**

A broad overview of the systems of health care in Australia and their methods of operation. The public and private health and medical care sectors are discussed. The political environment, health care institutions, community health, public health, and the problems of coordination and integration of health services are also studied.

Courses: PU40
Credit Points: 12
Contact Hours: 3 per week

■ **PUB199 HEALTH INFORMATION MANAGEMENT 1**

An introduction to the principles of health record management and their application in hospitals; presents an overview of the interrelationship between the various processes of the medical record department and functionally related areas in health care facilities. Topics include: the structure, format and use of medical records, the function of medical record departments, quantitative analysis of medical records, and health information collection and retrieval systems, both manual and computerised.

Courses: PU40
Credit Points: 12
Contact Hours: 3 per week

■ **PUB200 ENVIRONMENTAL PROTECTION**

The causes, effects, control measures, standards, legislation and management strategies relating to pollution and environmental protection.

Courses: PU40
Prerequisites: LSB118, PUB107
Credit Points: 12
Contact Hours: 4 per week

■ **PUB201 PUBLIC HEALTH NUTRITION 1**

The history of food and nutrition in Australia; the food system, an introduction to proteins, carbohydrates, fats, vitamins and minerals, introduction to food grouping systems, dietary guidelines, the recommended dietary intakes, nutrition through the life cycle; introduction to the food supply, food problems and nutrition problems; nutrition as a public health issue, international nutrition issues.

Courses: PU40, PU43, ED50
Credit Points: 12
Contact Hours: 4 per week

■ **PUB202 APPROACHES TO PUBLIC HEALTH PROBLEMS**

An introductory course for health students on solving public health problems. The unit considers public health care mod-
els in industrialised countries and in less developed countries. Constraints imposed by political, social, cultural, institutional and economic issues are examined. An introduction to problem assessment, strategic planning, program planning, delivery and evaluation are included.

Courses: PU40, PU48
Credit Points: 12
Contact Hours: 4 per week

■ PUB210 OCCUPATIONAL HEALTH & SAFETY
The basic concepts of occupational health and safety, such that they can identify health and safety problems in the workplace; strategies for dealing with such problems, and the legislation, government agencies and health personnel associated with the working environment. Topics covered include the physical, chemical and biological working environments and temporal work patterns.

Courses: ME46
Credit Points: 8
Contact Hours: 4 per week

■ PUB217 MANAGEMENT & CONSUMER STUDIES
This unit details management and consumer issues and concepts pertinent to individual and group living leading to the optimisation of wellbeing.

Courses: PU40, ED50
Credit Points: 12
Contact Hours: 4 per week

■ PUB220 MEDICAL TERMINOLOGY
Exploration of the language of medicine; analyses medical terms into Latin and Greek word roots, prefixes, suffixes and combining forms. Medical terms which relate to specific body systems are defined, spelled and pronounced accurately; common abbreviations and symbols used in medicine are identified; abstracts from patient records are explained and interpreted in non-technical language.

Courses: PU40, PU48
Credit Points: 12
Contact Hours: 3 per week

■ PUB225 SHELTER STUDIES
Critical aspects of shelter as a fulfilment of people’s basic needs; design, technology and legislation linked to decisions affecting provision of shelter for the differing needs of individuals and families.

Courses: ED50, IF74
Credit Points: 12
Contact Hours: 3 per week

■ PUB233 COMMUNICATION, INFORMATION & EDUCATION FOR HEALTH
Introduces students to the practical skills of communication and the theories of communication; the processes of communication; barriers and supportive mechanisms facilitating communication; acquisition of a range of skills necessary for communicating with individuals, groups and communities in the context of competent professionals working in a range of public health settings. Covers public education for health, principles of adult learning, diffusion and adoption of new health-related behaviours; a critique of the use and role of information; the use of mass media; and communication within health organisations.

Courses: PU40, PU43
Credit Points: 12
Contact Hours: 4 per week

■ PUB235 OCCUPATIONAL & ENVIRONMENTAL HEALTH
Study of environmental and occupational health issues in their broadest context and their impact on individual health.

Courses: ED50
Credit Points: 12
Contact Hours: 3 per week

■ PUB251 CONTEMPORARY PUBLIC HEALTH
Introduction to the philosophy and approach of public health; the traditional public health process; the multidisciplinary nature of public health; health policy and its impact on public health; some recent reformulations of traditional public health approaches including: health promotion, intersectoral action for health and healthy public policy. The role of public health in Australia and overseas, its main components and some of the constraints faced by public health.

Courses: PU40, PU43
Credit Points: 12
Contact Hours: 4 per week

■ PUB298 HEALTH INFORMATION MANAGEMENT 2
Continuation of PUB199. There is an emphasis on analysis and improvement of health information management throughout hospitals. The examination of health information services will move outside the medical records department of hospitals to wards, beds allocation and admission officers; accident and emergency departments; outpatients and allied health services and other specialised hospitals services such as radiology, pharmacy and pathology. Skills in health data management, forms design and statistical presentation of hospital or health services activities are developed.

Courses: PU40
Prerequisites: PUB199 and successfully completed hospital placement
Credit Points: 12
Contact Hours: 3 per week

■ PUB301 ENVIRONMENTAL PROTECTION 2
The causes, effects, control measures, standards, legislation and management strategies relating to pollution and environmental protection.

Courses: PU42
Prerequisites: PUB207, CHB242, PHB263
Credit Points: 8
Contact Hours: 4 per week

■ PUB302 PODIATIC MEDICINE 1
The health, social and economic implications of podiatric care in the general population with particular reference to specialised groups, e.g. Children, diabetics, the aged and sports patients. It also provides foundation studies essential to the preclinical student in the diagnosis and treatment of conditions commonly manifest in the foot.

Courses: PU45
Corequisites: PUB303
Credit Points: 8
Contact Hours: 4 per week

■ PUB303 CLINICAL SCIENCE 1
On completion, students should be able to demonstrate competent operating skills; expertise in clinical observation of the patient and the elicitation of an accurate medical record; recognise common clinical entities and implement appropriate treatment and develop a professional attitude towards patients, clinical teaching and care of equipment.

Courses: PU45
Prerequisites: MEB031
Corequisites: PUB302
Credit Points: 12
Contact Hours: 6 per week

■ PUB304 PHYSICAL MEDICINE
Introduction to a wide range of diagnostic and physical treatment modalities used in modern podiatric practice. On completion, students should be able to understand the uses, applications, contraindications and limitations of each modality studied in direct connection with ongoing clinical studies and the theoretical component of podiatric medicine lectures.

Courses: PU45
Prerequisites: LSB451
Corequisites: PUB410, PUB504
Credit Points: 8
Contact Hours: 3 per week

■ PUB306 PHARMACOLOGY
Designed to ensure that students understand basic drug therapies their patients may be using, the groups of drugs used for specific diseases and their application and relevance to podiatric and clinical podiatry. Emphasis is placed on drug groups and their use for specific disease, rather than proprietary brands. Students learn to recognise the drug groups and know the system they are acting on in the body. In addition, differentiation between the different groups within one group of systemic drugs and why they are used for a condition is emphasised.

Courses: PU45
Prerequisites: CHB242 or CHB289
Corequisites: LSB371
Credit Points: 8
Contact Hours: 3 per week

■ PUB309 DESIGN APPLICATIONS
This unit is planned to introduce students to the vocabulary and principles of design, the design process and some of its many applications, and to provide opportunities for practical experience in presentation and evaluation.
UNIT SYNOPSES

Courses: PUB40
Credit Points: 12
Contact Hours: 3 per week

PUB312 HOME ECONOMICS CURRICULUM STUDIES 1
Provides students with a range of understandings and competencies for analysing, interpreting and managing home economics classrooms in order to maximise learning. Long and short term planning is explored with an emphasis on planning, implementing and evaluating lessons using a variety of strategies, resources and assessment techniques. The nature of home economics and how this is manifest in curriculum documents is examined.

Courses: ED50, ED54
Prerequisites: 48 credit points in relevant discipline area
Credit Points: 12
Contact Hours: 3 per week

PUB313 DESIGN
Design has a relevance to both the teaching and learning process and the discipline of home economics. In the areas of textiles, food and shelter there is a role for the application of design as well as critical evaluation and communication of the products of design; provides students with generic design knowledge as well as experience in the application of this knowledge in the specific areas of home economics.

Courses: ED50
Credit Points: 12
Contact Hours: 3 per week

PUB314 EPIDEMIOLOGY & STATISTICS
Fundamental principles of epidemiology as the study of the health, morbidity and mortality of the population; examines the role of epidemiology in identifying health problems as well as seeking measure to control or prevent the occurrence of disease and injury in human populations; introduces students to a wide range of study designs in areas including clinical, social and behavioural epidemiology; application of epidemiology to a range of issues and settings through evaluating the design of selected studies. Introduction to statistics; statistical analyses using a range of techniques and their application in a range of public health contexts; practice in the presentation of statistical data and the application of basic statistical methods.

Courses: PUB251
Credit Points: 12
Contact Hours: 4 per week

PUB316 RESEARCH METHODS
An understanding of research methodology is essential to all Public Health Professionals. This unit will present an overview of the role of quantitative and qualitative methods in Public Health research. Specific topics covered in the unit will include: the scientific approach to research, development of hypotheses and theories, testing of hypotheses, RESEARCH questions, Research design, experimental design, surveys and quasi-experimental design, design and use of questionnaires, accessing and collating the literature, dissemination of Research results, evaluation of Research, ethics and Research, seeking Research funds and development of Research proposals. Case studies in Public Health Research.

Courses: PUB314
Prerequisites: PUB251
Credit Points: 12
Contact Hours: 4 per week

PUB318 CONCEPTUAL FOUNDATIONS
This unit introduces the conceptual foundations of home economics and significant societal issues that impinge the area of study will be analysed and critically examined. The history of home economics and the link between home economics theory and practice will be considered with an emphasis on developing a personal philosophy of home economics.

Courses: PUB40
Credit Points: 12
Contact Hours: 4 per week

PUB319 FOOD & NUTRITION
Issues related to Choosing a diet which will promote health; nutritional needs for humans; translating these to food selection and preparation.

Courses: ED50, IF74
Credit Points: 12
Contact Hours: 6 per week

PUB321 TEXTILES 1
Scientific understanding and aesthetic aspects of textiles, their selection, use and care, with reference to specific end uses; practical aspects of construction and surface design of textile articles; textile project.

Courses: ED50, IF74
Credit Points: 12
Contact Hours: 6 per week

PUB322 HOME ECONOMICS CURRICULUM STUDIES 2
Encourages students to make independent judgements about home economics curriculum decision-making, within syllabus guidelines and broader systems policies concomitant with national and international trends in education and society. Students are given the opportunity to explore current issues and emerging and future trends in home economics and to develop a confident approach to school-based curriculum development. Advanced teaching strategies and current assessment procedures are developed.

Courses: ED54
Prerequisites: PUB312
Credit Points: 12
Contact Hours: 3 per week

PUB323 HOME ECONOMICS: SOCIAL FOUNDATIONS
Home economics is concerned with the well-being of individuals and families; to achieve this goal, individuals must have an understanding of development from conception to old age, and a critical awareness of the social processes which influence this development; home economics issues.

Courses: ED50
Credit Points: 12
Contact Hours: 4 per week

PUB329 FOUNDATIONS OF HEALTH STUDIES & HEALTH BEHAVIOUR
The foundations of the discipline of health education, its theoretical framework and concepts of models of health, health education and health promotion.

Courses: PU40, ED50
Prerequisites: PUB325 or PUB372
Credit Points: 12
Contact Hours: 3 per week

PUB331 SHELTER STUDIES 2
The linking of human physical and psychosocial needs, environmental and technological issues and design aspects to the effective provision of shelter, with emphasis being placed on the development of advanced skills and knowledge; environmental and technological aspects which have implications on shelter design for the well-being of the individual and families; effective design to accommodate Changing family structures; legislative updates.

Courses: PU49, ED50
Prerequisites: PUB325 or PUB372
Credit Points: 12
Contact Hours: 4 per week

PUB336 WOMEN'S HEALTH
Exploration of the data and health issues related to women's health; critically evaluates health-related policies, systems and practices in terms of their impact on women's health.

Courses: ED50, PU40
Prerequisites: Nil
Credit Points: 12
Contact Hours: 3 per week

PUB338 SUBSTANCE USE IN CONTEMPORARY SOCIETY
An introduction to analytical models, statistical evidence and health education and health promotion strategies applicable to substance use and abuse, to familiarise students with the contemporary nature and extent of substance use in Australia; examines models and strategies to address these issues.

Courses: PUB40
Credit Points: 12
Contact Hours: 3 per week

PUB341 NUTRITION EDUCATION

Courses: PU43, ED50
Prerequisites: PUB201
Credit Points: 12
Contact Hours: 4 per week
■ PUB349 FAMILIES & HOUSEHOLDS IN AUSTRALIA
Examination of the emphasis on the family in home economics. Perspectives considered include: structural functionalist, symbolic interactional, conflict and feminist, whether the family provides an appropriate orientation for home economics.
Courses: ED50
Credit Points: 12
Contact Hours: 4 per week

■ PUB355 FOOD SERVICE: PRINCIPLES & PRACTICES
The use of relevant management principles, safe and hygienic work practices, effective communication skills, sound nutrition and mastery of techniques in food production and presentation.
Courses: ED50, PU49
Prerequisites: PUB474
Credit Points: 12
Contact Hours: 4 per week

■ PUB356 CLINICAL CLASSIFICATION 1
Development of skills in one of the major specialities of health information management: clinical classification of diseases and procedures using the International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM). Clinical classification responds to internal and external demands for medical information, for example, in-house Research and education, ABS hospital morbidity data collections, and casemix information systems.
Courses: PU47
Prerequisites: PUB220, LSB142
Credit Points: 12
Contact Hours: 4 per week

■ PUB361 TEXTILES 2
Continuation of PUB321. An understanding of textile consumer issues is developed by a study of relevant commercial enterprises and the implications for the consumer. Creativity is encouraged by students combining skills in pattern development with advanced techniques in constructing textile articles.
Courses: ED50
Prerequisites: PUB321
Credit Points: 12
Contact Hours: 4 per week

■ PUB372 SHELTER STUDIES 1
Housing tenure; advantages and disadvantages of ownership/tenancy; housing finance; housing for special groups; special needs in housing; interior environment; housing heritage.
Courses: PU49, IF74
Credit Points: 12
Contact Hours: 4 per week

■ PUB374 FAMILY STUDIES
Definitions of the family; the family and society; social class and geographical differences in family patterns; influence of changing social conditions; socialisation and child rearing patterns; families in a multicultural society.
Courses: PU49
Credit Points: 12
Contact Hours: 3 per week

■ PUB380 CASEMIX MANAGEMENT
History and development of casemix classification systems; structure of ANDRGs; casemix applications in quality improvement, utilisation review, costing, planning and management; casemix and funding health care services; casemix classification systems for acute inpatients; data quality issues; casemix grouping software; current casemix initiatives and applications.
Courses: PU47, PU48
Credit Points: 12
Contact Hours: 3 per week

■ PUB404 CLINICAL SCIENCE 2
At this stage students are able to follow cases through to observe the short-term effect of therapy and are expected to commence case studies to develop comparative and recording skills. Students should now be adopting the standard medical terminology and abbreviations used in clinical situations.
Courses: PU45
Prerequisites: PUB303
Credit Points: 12
Contact Hours: 9 per week

■ PUB405 NUTRITION SCIENCE
The major nutrients: protein, carbohydrate, lipids, vitamins, minerals, water. Significant food sources, digestion, absorption, transport, metabolism, storage, roles, requirements, the consequences and methods of assessment of inadequate or excess intakes. Other substances occurring in foods, beverages and supplements. Nutrient-nutrient interactions.
Courses: PU43
Prerequisites: LSB308
Credit Points: 12
Contact Hours: 4 per week

■ PUB410 MEDICINE
Following completion of this unit, students should be able to recognise and understand the clinical features, pathogenesis and significance of common conditions affecting the lower limbs, e.g. oedema; obesity; motor, sensory and trophic disturbances and their resultant effects in paralysis, ataxia, deformity and ulceration; intermittent claudication, vascular spasm and cramp are taught so as to emphasise their significance. Medical conditions with manifestations in the feet are given particular attention.
Courses: PU45
Prerequisites: LSB470, LSB451
Credit Points: 8
Contact Hours: 3 per week

■ PUB411 ORTHOPAEDICS
Emphasis on orthopaedic surgery; develops a detailed knowledge of general and specific orthopaedic conditions which have an effect on the lower limbs and the surgical treatment of systemic conditions as seen by the podiatrist, i.e. diabetes; provides an understanding of the special problems associated with Children and specific lower limb conditions with emphasis on the surgical techniques used in their treatment.
Courses: PU45
Prerequisites: PUB505
Credit Points: 8
Contact Hours: 3 per week

■ PUB418 HEALTH COMPUTER SYSTEMS
Principles and applications of electronic data processing in health care settings. Computerised health information systems are analysed from a variety of viewpoints including the objectives of the system, specific methods employed to meet used needs, structure in an overall information system, the technology which makes it operative, the data base, and the various ways information is transferred and used in health facilities.
Courses: PU47, PU48
Prerequisites: BSB112
Credit Points: 12
Contact Hours: 3 per week

■ PUB421 PODIATRIC MEDICINE 2
The foundation for study in the role of therapeutics in patient management including short-term and long-term management of conditions. It expands the range of understanding of the wide variety of conditions presented to the podiatrist. On completion, students should have developed an understanding of the biomechanical principles affecting the joints of the foot and the structural and functional consequences presenting in podiatric practice.
Courses: PU45
Prerequisites: PUB302
Credit Points: 12
Contact Hours: 6 per week

■ PUB422 PODIATRIC ANAESTHESIOLOGY
Provides a sound understanding of the science of anaesthetics as applicable to the practice of podiatry. Students are required to understand the pharmacology of local anaesthetics and clinical usage, and be competent in injection techniques, including local infiltration and local nerve block in the lower limbs.
Courses: PU45
Prerequisites: PUB421
Credit Points: 8
Contact Hours: 2 per week

■ PUB423 FOOD & NUTRITION
Nutrition is an important factor in the provision of health, and prevention and management of many disease states. This unit provides an overview of concepts fundamental to an appreciation of the role of nutrition in health care. Topics include: the Chemical nature, digestion, absorption and assimilation of nutrients; nutrients provided by the food groups; food selection for a healthy diet; nutrient requirements in particular clinical situations.
PUB482 OCCUPATIONAL HEALTH  
Basic concepts of toxicology and the body’s responses to toxic substances; basic disease processes in humans and the various agents in the workplace adversely affecting the health of workers.

Courses: PUB44  
Credit Points: 8  
Prerequisites: LSB242  
Contact Hours: 5 per week
■ PUB505 PODIATRIC SURGERY
Implementation of pediatric surgical techniques based on strong theoretical knowledge. On completion, students should understand the principles and techniques of lower limb surgery.
Courses: PU42, PU44
Prerequisites: PU42, PU44
Credit Points: 12
Contact Hours: 3 per week

■ PUB506 FOODSERVICE MANAGEMENT
Organisation and planning in the foodservice; the hospital environment; the menu and menu planning; purchasing and storage of food; kitchen planning and design; food production systems; food distribution systems; human resource management in foodservice; finance and costing, hygiene, maintenance and safety; information systems; total quality management.
Courses: PU42
Prerequisites: PUB603
Credit Points: 8
Contact Hours: 3 per week

■ PUB507 ADVANCED NUTRITION SCIENCE
Tissue and organ metabolism: metabolic pathways present in various tissues and organs; preferred substrates for energy production; metabolic rates; other metabolic goals of tissues and organs. Metabolic control: factors controlling metabolic pathways in varying physiological states; nutrition and other lifestyle factors and their effects on metabolic control; nutrition and lifestyle as determinants of health.
Courses: PU43
Prerequisites: PUB474
Credit Points: 12
Contact Hours: 4 per week

■ PUB509 PUBLIC HEALTH NUTRITION 2
The measurement of the nutritional status of a community; nutrition monitoring and surveillance; food and nutrition policy at international, national and state levels, international nutrition issues, nutritional epidemiology; nutrition problems within Australia examination of the evidence; at risk groups; tools and their validity for measuring nutritional status and nutrition outcome at the population and group level; dietary intake methodology.
Courses: PU43
Prerequisites: PUB201
Credit Points: 12
Contact Hours: 4 per week

■ PUB512 ERGONOMICS 2
Application of industrial and organisation psychology to the industrial environment; examination of key individual, social and organisational factors contributing to health and safety at work; an appreciation of the interface between humans, machines and the environment, information processing and learning, stress, job design, job satisfaction and work schedules.
Courses: PU44
Prerequisites: PUB483, SSB914
Credit Points: 12
Contact Hours: 4 per week

■ PUB513 EPIDEMIOLOGY & DISEASES
Enables students to become familiar with the terminology used in the epidemiology and the study of diseases; includes the conducting of various types of study including the analysis of data in the workplace; topics include: the causes and preventative factors of the most common non-infectious diseases, their incubation periods, modes of infection and transmission of infectious diseases, and the principles and applications of vaccination.
Courses: PU42, PU44, PU48
Credit Points: 12
Contact Hours: 4 per week

■ PUB516 OCCUPATIONAL HEALTH & SAFETY PRACTICE 1
Field studies are used to provide students with a practical insight into the application of the principles to which they have been introduced in their previous studies. In addition students will examine the legislative and other standards which form the basis for the enforcement of occupational health and safety.
Courses: PU44
Prerequisites: MEB035, PHB404, PUB483
Credit Points: 12
Contact Hours: 3 per week

■ PUB517 FOOD HYGIENE STUDIES
Food hygiene standards, food borne illnesses, food hygiene audits, licensing systems.
Courses: PU42
Prerequisites: PUB107, LSB401
Credit Points: 12
Contact Hours: 4 per week

■ PUB520 ENVIRONMENTAL HEALTH MANAGEMENT 1
Management of an environmental health unit; legal and professional procedures associated with the duties of environmental health officers. Emphasis is placed on management of diseases, vectors and nuisance insect and mammals, water supplies and communicable diseases.
Courses: PU42
Prerequisites: PUB207, PUB481
Credit Points: 12
Contact Hours: 4 per week

■ PUB526 CLINICAL DIETETICS 1
An introduction to the principles of nutritional care and the dietetic process. Interpretation of anthropometric, biometrical, dietary and psychosocial data. The role of the dietitian nutritionist in the clinical setting. Determination of the altered nutrient requirements of individuals in disease states. The aetiology, epidemiology, medical and surgical treatment of energy imbalance, eating disorders, food allergies and intolerances, the musculoskeletal system, the cardiovascular system, and diabetes mellitus. The nutritional management of individuals requiring dietary intervention, standards of nutritional care and the evaluation of clinical outcome.
Courses: PU43
Prerequisites: PUB405, LSB408, LSB845
Credit Points: 12
Contact Hours: 5 per week

■ PUB529 HEALTH PLANNING & EVALUATION
This unit is designed to address the conceptual and procedural issues of program management; health planning and program management and evaluation; community participation in health planning; planning for future evaluation; steps for program planning and evaluation; resources management; and health resource inventories. The unit also focuses on the conceptual basis of economic evaluation techniques including cost benefit analysis, cost effectiveness analysis and cost utility analysis; the role of economics/econometrics in health planning; concept of marginal analysis; the relevance of economic/econometric data and their interpretation; and the rudiments and applications of evaluation Research.
Courses: PU47, PU48
Prerequisites: PUB314 or equivalent
Credit Points: 12
Contact Hours: 3 per week

■ PUB540 THE HOME ECONOMIST AS A COUNSELLOR
The counselling process; major approaches to counselling; models of helping and the helping relationship; communication skills; the home economist as counsellor; moral, ethical and legal responsibility of the home economist as a helping professional.
Courses: PU49
Prerequisites: PUB574, SSB961 or equivalent
Credit Points: 12
Contact Hours: 3 per week

■ PUB553 PROFESSIONAL EXPERIENCE
This unit provides an opportunity to increase knowledge and level of understanding of health information management in health care facilities through direct observation and participation. The managerial role of the health information services with medical, administrative and allied health professionals, reinforcement of clinical classification skills by coding from medical records.
Courses: PU47
Prerequisites: 16 units in health information management major or equivalent
Credit Points: 12
Contact Hours: 3 per week

■ PUB556 FOOD PRESENTATION & PROMOTION
Advanced techniques and complex skills of food production and presentation; commercial production and presentation of food; production and presentation of food for photography or display purposes; food demonstrations; special occasion cookery.
Courses: PU49
Prerequisites: PUB474 or equivalent
Credit Points: 12
Contact Hours: 6 per week

■ PUB572 APPAREL DESIGN 1
Factors influencing garment and household goods designs;
design development; yarn structure; techniques of fabric construction and decoration; the textile industry.

Courses: PUB49  Prerequisites: PUB272 or equivalent  Credit Points: 12  Contact Hours: 4 per week

■ PUB574 HOME ECONOMICS 3
The family as a social system; resources and constraints related to the life cycle; management in the family context; the family in Australia; managing finance.

Courses: PUB49, IF74  Prerequisites: PUB272 or equivalent  Credit Points: 12  Contact Hours: 3 per week

■ PUB575 HOME ECONOMICS PRACTICUM
Experience in working in industry, commerce or government; placement in a number of organisations for 10 weeks.

Courses: PUB49  Prerequisites: COB160 or equivalent  Credit Points: 12

■ PUB585 OCCUPATIONAL HYGIENE 2
This subject extends the knowledge gained in Occupational Hygiene 1 and concentrates on the application of the principles to which the student has already been introduced. The subject will extend students' ability to recognise, evaluate, and suggest the most efficient control strategies for physical and chemical hazards in the working environment. It will include an analysis of the principles and design of ventilation systems. The subject will examine the elements of successful monitoring program in the workplace.

Courses: PUB44  Prerequisites: PUB485, CHB411  Credit Points: 12  Contact Hours: 4 per week

■ PUB590 PRODUCT DEVELOPMENT & MARKETING
The consumer market; product development; critical path analysis and network planning; idea generation and product evaluation; feasibility study and product cost analysis; quality assurance; the production and marketing of products; career prospects.

Courses: PUB49  Prerequisites: PUB478 or equivalent  Credit Points: 12  Contact Hours: 3 per week

■ PUB592 HOME ECONOMICS INDEPENDENT STUDY 1
Self-initiated and self-directed academic study in an interest area consistent with the course's overall aims.

Courses: PUB49  Credit Points: 12  Contact Hours: 1 per week

■ PUB594 HOME ECONOMICS INDEPENDENT STUDY 2
Self-initiated and self-directed academic study in an interest area consistent with the course's overall aims.

Courses: PUB49  Credit Points: 12  Contact Hours: 1 per week

■ PUB599 HEALTH INFORMATION MANAGEMENT 3
Health information systems outside acute care hospitals; special purpose health systems, ambulatory health record systems, and those used in health care facilities other than acute care hospitals, systems for the registration and notification of disease problems, clinical classification systems other than ICD9Cm and nomenclatures, which may be used in specialised health settings; concepts and processes of quality assurance in health (e.g. accreditation, criteria audits, etc.).

Courses: PUB47, PUB48  Prerequisites: PUB199, PUB298  Credit Points: 12  Contact Hours: 3 per week

■ PUB602 SPORTS MEDICINE
The importance of a multidisciplinary approach to the diagnosis, evaluation and treatment of sports injuries. Students study the symptomology of lower limb functional pathologies as related to specific sports and devise treatment programs. An understanding of the principles of human fitness and potential in relation to athletic injuries and expectations forms the foundation for further studies.

Courses: PUB45  Prerequisites: PUB503, PUB410  Credit Points: PUB411  Contact Hours: 4 per week

■ PUB603 CLINICAL SCIENCE 4
Prepares the student for the transition to private practice. Students are introduced to the sports medicine patient in terms of the range of injuries which occur affecting the lower back, hip, knee, ankle and foot. Case presentations are an integral part of clinical learning and sessions conclude with exchange between students and staff over case management.

Courses: PUB45  Prerequisites: PUB504  Credit Points: 8  Contact Hours: 12 per week

■ PUB606 DIETETIC MANAGEMENT
History of dietetics and the role of management in dietetics; planning and organisation; leadership; peer review systems; total quality management; clinical costing; program evaluation and measuring effectiveness; information systems applied to dietetic management; managing Change; casemix funding, management tools, marketing, planning community based programs; team building; managing role conflict.

Courses: PUB43  Prerequisites: PUB506  Credit Points: 12  Contact Hours: 4 per week

■ PUB610 PROJECT & PROFESSIONAL MANAGEMENT
This unit explains firstly how a professional practice may be set up and how a small practice can operate as a business enterprise. Methods of budgeting, finance and control are explained. Secondly it develops an interest in podiatry Research using scientific methods of investigation and presentation. Students are encouraged to publish these projects as original material in related professional journals.

Courses: PUB45  Credit Points: 8  Contact Hours: 3 per week

■ PUB611 RISK MANAGEMENT
This unit will provide students with the knowledge and skills for the assessment and quantification of risk in the workplace. It will investigate various models available to investigate, classify and analyse accidents and propose strategies to prevent similar incidents in the future. Various hazard identification techniques such as HAZOP, Fault Tree Analysis and FMEA will be discussed. The subject will provide students with the ability to position occupational health and safety within an organisation's strategic decision making process.

Courses: PUB42, PUB44  Credit Points: 12  Contact Hours: 4 per week

■ PUB612 HEALTH PROMOTION & EDUCATION
The scope and nature of health promotion; use of resources for such activities; planning, conduct and evaluation of health promotion programs; adult learning principles; training needs analysis; training program development and evaluation; specific training methods.

Courses: PUB44, PUB42  Prerequisites: SSB914  Credit Points: 8  Contact Hours: 3 per week

■ PUB613 OCCUPATIONAL HEALTH & SAFETY PRACTICE 2
This unit is designed to enable students to apply the theoretical knowledge gained throughout the course. It uses field studies and exercises to further extend students' competence in the practical application of the various principles of occupational health and safety in the workplace. This unit also examines the current issues in the field of occupational health and safety and aims to equip students to play a role in debates around these issues.

Courses: PUB44  Prerequisites: PUB516  Credit Points: 12  Contact Hours: 2 per week

■ PUB614 INDUSTRY SPECIALISATION
The hazards associated with particular industries including construction, manufacturing, Chemical and mining through field trips and specialist lectures; the various laws and standards that apply to these industries and an investigation of the control strategies applicable to the management of hazards in industry; introduction to the principles of workplace rehabilitation.
This unit will exercise the 'manager' in the student and prepare Administration and Health Information Management majors.  

12 units in the BBus HAd or equivalent  

Prerequisites:  
- Policies pertaining to social groups.  
- Policy using analytical frameworks; health policy impact;  
- Between policy in use and espoused policy; analysis of health  
- Role of the mass media; an appreciation of the difference be-  
- How health policy is created; the role of vested interests; the  
- PUB619 HEALTH INFORMATION MANAGEMENT 4  
- The role and function of the health information manager in the management of health care services; the principles and processes of management as applied to health information services; current issues in health information management.  

Courses: PUB40, PUB48  
Credit Points: 12  
Contact Hours: 3 per week  

PUB620 ENVIRONMENTAL HEALTH MANAGEMENT 2  
Integration of the student’s theoretical understanding of physical and biological sciences and application of such to the management of a range of environmental health problems encountered in the professional practice of an environmental health officer.  

Courses: PUB42  
Credit Points: 12  
Contact Hours: 4 per week  

PUB621 PROFESSIONAL PRACTICE  
Visits to all types of establishments studied in units relating to environmental health management, pollution sciences and food studies for the purpose of practical demonstration, evaluation and professional experience.  

Courses: PUB40, PUB42  
Prerequisites: PUB518, PUB519, PUB520  
Corequisites: PUB620  
Credit Points: 12  
Contact Hours: 6 per week  

PUB625 CASE STUDIES IN PUBLIC HEALTH NUTRITION  
An indepth study of a number of programs which have been or are currently underway in different settings and with different groups both in Australia and overseas.  

Courses: PUB43  
Prerequisites: PUB509, PUB510  
Credit Points: 12  
Contact Hours: 4 per week  

PUB627 CLINICAL DIETETICS 2  
Nutritional assessment parameters and their application to the clinical setting. The principles of nutritional care and dietary intervention in complex disease states. The clinical dietitian and medical specialist perspective on the nutritional and medical management of gastrointestinal, liver, renal, neoplastic and paediatric disorders. The role of nutritional support in hypermetabolic conditions. Practice in nutritional and dietary assessment through case studies conducted in a variety of hospital settings.  

Courses: PUB43  
Prerequisites: PUB526  
Credit Points: 12  
Contact Hours: 5 per week  

PUB628 ADVANCED FOOD STUDIES  
This course offers students an introduction to food science and technology, and food standards and regulations. It also provides students with an opportunity to acquire practical skills in the planning, preparation and delivery of nutrient-aided foods suitable for a wide range of therapeutic diets. Students evaluate the outcome of incorporating nutrient modified food products into dietary regimens.  

Courses: PUB43  
Prerequisites: PUB474, PUB526  
Credit Points: 12  
Contact Hours: 5 per week  

PUB655 HEALTH POLICY & PLANNING  
How health policy is created; the role of vested interests; the role of the mass media; an appreciation of the difference between policy in use and espoused policy; analysis of health policy using analytical frameworks; health policy impact; policies pertaining to social groups.  

Courses: PUB48  
Prerequisites: 12 units in the BBus HAd or equivalent  
Credit Points: 12  
Contact Hours: 3 per week  

PUB659 MANAGEMENT OF HEALTH SERVICES  
This unit represents the capstone core unit for both the Health Administration and Health Information Management majors. This unit will exercise the 'manager' in the student and prepare them for middle and senior level management positions. Topics include: SWOT analysis; vision, mission and culture; stakeholder analysis and achieving win-win negotiations; thinking strategically; best practice and benchmarking in health.  

Courses: PUB40, PUB48  
Prerequisites: 16 units in the health administration major or 16 units in the health information management major  
Credit Points: 12  
Contact Hours: 3 per week  

PUB675 HOME ECONOMICS 4  
The conceptual, theoretical and philosophical foundations of family and consumer studies; societal issues relating to the provision of food, textiles and shelter; a critical examination of social, economic, technological and ethical issues on individual and family wellbeing.  

Courses: PUB49  
Prerequisites: PUB574  
Credit Points: 12  
Contact Hours: 3 per week  

PUB695 INDUSTRIAL TRAINING EXPERIENCE  
Ten to twelve months placement in paid employment related to the Occupational Health and Safety under the joint supervision of an industry supervisor and an academic adviser. The academic adviser obtains reports from the student and their work supervisor at regular intervals. The student is required to complete a progressive assessment program. Results are determined on the basis of reports, continuous assessment and the employer’s report.  

Courses: PUB44  
Prerequisites: Completion of Years 1 and 2 of the Degree and a GPA of 4.5 or above  
Credit Points: 24  

PUB724 RESEARCH IN DIETETICS  
This unit provides an opportunity for students who may be thinking of a research career to undertake a small project. Students are expected to conduct a project as part of an on-going project within the school.  

Courses: PUB43  
Credit Points: 12  
Contact Hours: 4 per week  

PUN600 DISSERTATION  
Undertaken by full-time Master of Public Health students following successful completion of course work. This unit is intended as a practicum, offering experience in investigating and/or solving a public health problem.  

Courses: PUB85  
Credit Points: 48  

PUN601 CONTEMPORARY HEALTH POLICIES  
An examination of the social, political, geographical and economic factors which have shaped the organisation of health care services at local, state, national and/or international levels; funding and resource management; the level and nature of responsibility for health care and health care maintenance; planning for structural change.  

Courses: HL88, IF64, LS85, NS62, NS85  
Credit Points: 12  
Contact Hours: 3 per week  

PUN607 DISSERTATION  
Undertaken by part-time Master of Public Health students following successful completion of course work. The unit is intended as a practicum, offering experience in investigating and/or solving a public health problem.  

Courses: PUB85  
Credit Points: 48  

PUN608 HEALTH ECONOMICS & FINANCE  
This subject is designed to introduce students to some elementary microeconomic theory and its application to economic issues in the health sector. Aspects of health care financing are discussed in the context of their impact upon the market for health care services in Australia and abroad. Some fundamental principles of public finance are also addressed.  

Courses: HL88, IF64, PUB85, PUB60, HL68  
Credit Points: 12  
Contact Hours: 3 per week  

PUN610 HEALTH SERVICES MANAGEMENT  
This subject is designed to assist health service managers to understand their roles, duties and responsibilities and to in-
vestigate relevant rules, principles, models, or modus operandi that may be available to guide their actions. It reviews some of the classical and more modern approaches to management and examines their relevance and application in the management of health services. In this way the health service manager's role and responsibility should become clear. Some guiding principles will emerge from which the manager can select, depending on the circumstances and type of the decision required.

Courses: HL88, IF64, NS85, PU85, PU60, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN611 COMMUNITY HEALTH PLANNING
This subject deals with the principles and methods of planning for health development in the community. It explores a number of models of health planning and the role of key groups and decision-makers in developing plans. Community participation and empowerment is discussed together with constraints and feasibility associated with health planning. The subject examines, using a social and economic development perspective, the complex relationships between communities, health, planning and evaluation. The contribution of a range of disciplines is explored, as well as the importance of resources and intervenability. It is essentially a practical course which introduces principles and theory at appropriate points. Students are required to produce a Health Plan which is applicable to the health related organisations and structures in Queensland.

Courses: PU85, PU60
Credit Points: 12
Contact Hours: 3 per week

PUN620 ENVIRONMENTAL HEALTH 1
This unit considers water and atmosphere as finite resources which must be properly managed to ensure continued health and well-being for individuals and communities. It examines water and atmosphere as resources, management strategies and adverse pressures on these components of the environment. Adverse impacts resulting from various forms of pollution and use are considered together with strategies for prevention and management.

Courses: HL88, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN622 CLOTHING: THE HUMAN CONSTRUCTED ENVIRONMENT
Clothing has physiological, psychological and sociological connotations that affect the self-image and the social relationships of all people. For those who deviate from the norms, the physically disabled, the Chronically ill, the mentally handicapped, the visually impaired, and those with extreme problems of weight and stature, these connotations become more important. In this unit of study the requirements of specific target groups are investigated and students will then be challenged to meet their needs through functional clothing design.

Courses: HL88, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN623 HOME ECONOMICS, THE FAMILY & THE POLITICS OF FEMINISM
Theories of family and the politics of feminism are investigated and the relationship between family and feminist thought are juxtaposed. Topics include: contextualising the study of feminism and the family in home economics; what is family?, sociology of the family; the family in Australia; history of feminist thought and current feminist thinking; feminism in Australia; critique of feminism; whiCh way feminism?; feminism and the family; feminism and home economics; well-being of individuals and families – what does it mean?

Courses: ED13, HL88, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN624 HOME ECONOMICS FOOD & NUTRITION
A significant factor influencing food patterns is the changing food market with concomitant political, psychosocial, economic, technical and ethical aspects affecting the supply of food to the consumer. Students are directed to research nutritional practices, and to uncover the factors influencing such practices. This research will then form the basis for not only developing strategies for individuals accepting responsibility for their own food-related experiences, but also for examining critically existing nutrition education programs and recommended nutrition goals and guidelines. Topics include: the individual; the food supply; nutritional science; nutrition education.

Courses: HL88, HL68
Credit Points: 12
Contact Hours: 3 per week

PUN625 HOME ECONOMICS PHILOSOPHICAL FOUNDATIONS
An examination of relevant political, social, economic, tech-
nological and ethical issues which influence the well-being of individuals and families. Topics include: what is home economics?; societal issues; implications for home economics praxis; developing a courses: ED13, HL88, HL68
credit points: 12
contact hours: 3 per week
■ PUN626 HOME ECONOMICS FIELD STUDY
Enables students to develop an area of their own choosing and to explore this in depth. The format and content of the program are negotiated between student and lecturer. However it is intended that the focus of the study be investigating home economics theory and practice within the school and/or community setting. Possible areas of study might include: education issues for home economics; home economics and feminisms; family studies; human development; human relationships; food and nutrition; textiles; shelter; consumerism; management; design; environmental issues; technology. Areas available are determined by the expertise and research interests of the staff.
courses: HL88, HL68
credit points: 12
contact hours: 3 per week
■ PUN627 ADVANCED PHARMACOLOGY
Topics include: an in-depth study of drugs relevant to podiatric practice; including their actions, indications, contraindications, adverse reactions, drug interactions and dosages; indications and contraindications and adverse effects of the use of antibiotics, sedatives, NSAIDs analgesics, corticosteroids, epinephrine in relevant local anaesthetics; the actions of systemic drugs on the nervous system, cardiovascular, endocrine and muscular skeletal systems; prescription writing and drug regulations.
courses: HL88, HL68
credit points: 12
contact hours: 3 per week
■ PUN628 CLINICAL PATHOLOGY & DIAGNOSIS
Provides students with advanced clinical management skills commensurate with the Master’s Degree level of education: an important practical adjunct to the theoretical concepts of clinical pathology and associated diagnostic techniques; gives the podiatrist the opportunity to apply acquired knowledge in a supervised clinical environment facilitating a comprehensive approach to the evaluation and treatment of foot pathology in the community; students undertake the management of patients attending the QUT clinical facility.
courses: HL88, HL68
credit points: 12
contact hours: 3 per week
■ PUN629 GENERAL MEDICINE
Provides an advanced level of knowledge necessary for an holistic medical approach to the management of disease processes. The relationship between pathogenesis and advanced therapeutic treatment is explored; designed to enhance the theoretical and clinical knowledge gained from the advanced pharmacology and clinical pathology/diagnosis units. Topics include: haematopoietic and lymphoid system; immune system; endocrine system; musculoskeletal system; hereditary and genetic; nervous system; cardiovascular system; gastrointestinal system; the liver, the biliary tract and the pancreas; respiratory system; the renal system.
courses: HL88, HL68
credit points: 12
contact hours: 3 per week
■ PUN630 COMPUTERISED GAIT ANALYSIS
Students have the opportunity to further their study and understanding of human movement and gait analysis; and to enhance their clinical biomechanical assessment of a patient, thus allowing for better evaluation and treatment regimes. This is achieved using computerised video motion assessment and foot force assessment systems. Particular emphasis is directed to providing the student with the opportunity of applying this information to specialised areas of podiatric sports medicine.
courses: HL88, HL68
credit points: 12
contact hours: 3 per week
■ PUN631 PODIATRIC SURGERY
Introduces professionals to the more technical aspects of foot surgery. It deals with preoperative planning of procedures as well as postoperative complications. By the end of the unit students will gain sufficient knowledge to be able to make informed referrals to those qualified to perform appropriate procedures.
courses: HL88, HL68
credit points: 12
contact hours: 3 per week
■ PUN641 CLINICAL DATA MANAGEMENT
Development of skills in data management systems and techniques used in clinical trials and epidemiological research. Methods of collecting and organising clinical data for research purposes; organisation of clinical trials; protocol design and interpretation; quality control and maintaining the integrity of trials; software applications for clinical data management; presentation skills in data management. Offered in 1997 subject to sufficient student numbers.
courses: HL88, HL68
credit points: 12
contact hours: 3 per week
■ PUN642 CLASSIFICATION & CASEMIX IN HEALTH
The use of classification systems in health services and their applications; statistical classifications (such as ICD) and nomenclatures (such as SNOMED); specialist classification systems for different health care settings (e.g. hospitals, ambulatory care, general practice); the development, application and use of casemix classification systems, especially ANDRGs. Offered in 1997 subject to sufficient student numbers.
courses: HL88, NS64, NS85, HL68
credit points: 12
contact hours: 3 per week
■ PUN643 HEALTH INFORMATICS
The use of information technology in health services; computers, telecommunications and electronic storage systems (such as optical disk); technical, financial, human resource management and legal issues associated with the use of health informatics; applications for health authorities, hospitals, other health institutions and private practice. Field trips are included. Offered in 1997 subject to sufficient student numbers.
courses: HL88, NS64, NS85, HL68
credit points: 12
contact hours: 3 per week
■ PUN644 CASE STUDIES IN HEALTH INFORMATION MANAGEMENT
Either individually or in groups, students analyse case studies, assess the situation and propose a solution or alternative solutions. The case studies are based on recent or current situations in local health care settings. Offered in 1997 subject to sufficient student numbers.
courses: HL88, HL68
credit points: 12
contact hours: 3 per week
■ PUN692 HEALTH CARE DELIVERY SYSTEMS
This subject offers an overview of health care delivery systems, examining the context in which public health operates in Australia. It is an introduction to the health administration branch of public health, being concerned with the coordination of human, physical, financial and information resources at all levels, including international, national, state, regional, community, facility and program levels. Health care delivery is examined from an organisational perspective in its ability to solve exiting problems, to prevent future problems, and to promote good health.
courses: IF64, PU60, PU85, HL68, HL88
credit points: 12
contact hours: 3 per week
■ PUN696 AN INTRODUCTION TO HEALTH PROMOTION
This subject introduces students to the discipline of health promotion, an essential component of study for students of public health. It places health promotion, and provides an overview of its role, within the context of public health. Provides a critique of the relationship between health promotion and contemporary public health, including health policy formation. Outlines the theories and principles underpinning
health promotion, enabling students to evaluate the relationship between theory and practice. Provides a broad overview to policy formation, placing it within the social, environmental and economic policy context, and introducing students to health public policies advocacy and lobbying, as well as to social and organisational concepts and strategies. Overviews health planning, implementation and evaluation, and enables students to critique the processes concerned through case study analysis.

**Courses:** PUP014 SCHOOL HEALTH EDUCATION

**Credit Points:** 12

**Contact Hours:** 3 per week

**PUP007 SOCIAL & BEHAVIOURAL EPIDEMIOLOGY**

This subject focuses on the relationship between the determinants of health risk behaviour and health or disease outcomes. Knowledge and skills of descriptive and analytical methodological approach gained in the Core subject “An Introduction to Epidemiology & Biostatistics” will be developed further in this subject to provide an understanding of the social and behavioural factors influencing health status and the risk of disease; an understanding of theoretical models which may be used to describe both the development of and Changes in health behaviours; and a framework for population health interventions. It will also enable students to become familiar with national and international population research studies and interventions which focus on the relationship between behavioural and social factors and health outcomes; to develop critical and objective analytical skills in relation to social and behavioural epidemiology data and its application to the process of promotion of health and preventing disease; and to utilise both epidemiological information and appropriate models of intervention in the development of health promotion interventions. Skills enabling critical and objective analysis of social and behavioural epidemiology data and its application to the process of promotion of health and preventing disease will be developed as will the ability to utilise both epidemiological information and appropriate models of intervention in the development of health interventions.

**Courses:** HL88, PU69, PUP5, PU60

**Credit Points:** 12

**Contact Hours:** 3 per week

**PUP010 HEALTH IN AUSTRALIAN SOCIETY**

Addresses significant issues associated with the multifactorial relationships between health and social, economic, political and lifestyle factors. Examination of the structure of Australian society as it impacts on health; patterns of mortality and morbidity and the nature and extent of health care delivery systems.

**Courses:** HL88, IF64, PU65, PU69, HL68

**Credit Points:** 12

**Contact Hours:** 3 per week

**PUP012 PROGRAM EVALUATION**

An introduction to the role of evaluation in a broad range of health education and promotion contexts. The unit focuses on the development of skills in program evaluation, skills to analyse and interpret current evaluation literature and the development of evaluation proposals.

**Courses:** PU69

**Credit Points:** 12

**Contact Hours:** 3 per week

**PUP014 SCHOOL HEALTH EDUCATION**

Introduction to the field of school health education. Focuses on the nature, scope and place of school health education in the total school environment; major issues facing schools and educators involved in developing and implementing school health education; structural and organisational factors impacting on program development.

**Courses:** HL88, PU69

**Credit Points:** 12

**Contact Hours:** 3 per week

**PUP018 HEALTH PROMOTION STRATEGIES**

Examines and analyses the process of selection and implementation of appropriate strategies for promoting health; a broad range of theories, methods and strategies for improving health across a range of settings.

**Courses:** HL88, PU69, NS64, NS85, PUP5, PU60

**Credit Points:** 12

**Contact Hours:** 3 per week

**PUP021 CASE STUDIES ON CONTEMPORARY HEALTH ISSUES**

Focuses on current issues facing practitioners in health education and promotion. Includes critical analysis of strategies and policies designed to address contemporary health issues and encourages students to become informed and critical practitioners.

**Courses:** HL88, NS64, NS85, PU69

**Credit Points:** 12

**Contact Hours:** 3 per week

**PUP022 HEALTH PROMOTION CONCEPTS & POLICY: A CRITICAL ANALYSIS**

Essential advanced study for practitioners engaged in the application of health promotion strategies. Acknowledges the importance of knowledge and skills to reduce behavioural risks; however, it emphasises the significant strategies and policies of health promotion including healthy public policy, social view of health, laws and regulations and leadership and advocacy.

**Courses:** HL88, IF64, PU69

**Credit Points:** 12

**Contact Hours:** 3 per week

**PUP023 PROGRAM PLANNING IN SCHOOL & COMMUNITY HEALTH**

Major components of health education and health promotion: the planning and implementation of intervention strategies and comprehensive programs. Provides a conceptual synthesis of the foundation of health education and promotion and analyses models of program planning and evaluation.

**Courses:** HL88, PU69

**Credit Points:** 12

**Contact Hours:** 3 per week

**PUP024 FOUNDATIONS OF HEALTH EDUCATION**

Introduction to the theoretical and practical dimensions of health education as a major component of the process of health promotion. This unit introduces knowledge, skills and practices necessary to implement health education strategies.

**Courses:** HL88, PU62, PU69

**Credit Points:** 12

**Contact Hours:** 3 per week

**PUP025 COMMUNITY HEALTH PROMOTION**

The field of health education and health promotion specifically focusing on the nature of the community health and environment promotion; examines the environmental, social and educational elements supporting and encouraging behaviours conducive to health.

**Courses:** HL88, PU69, NS85

**Credit Points:** 12

**Contact Hours:** 3 per week

**PUP027 INDEPENDENT STUDY**

Research work in an area of personal or professional interest to the student in the health sciences. The focus may be one of specific content area or process in health education or health promotion. Involves liaison with academic adviser.

**Courses:** PU69

**Credit Points:** 12

**PUP115 OCCUPATIONAL HEALTH & SAFETY LAW & MANAGEMENT 1**

Introduces students to basic concepts in occupational health and safety; develops an understanding of and skills not only in basic management principles as they apply to this discipline but also in the development and delivery of health and safety training programs. Develops a sound foundation in the principles and practice of health promotion.

**Courses:** PU65

**Credit Points:** 12

**Contact Hours:** 3 per week

**PUP116 ERGONOMICS**

The relationship between the worker, the work environment and the work space. Occupational ill-health and injury arise from a lack of fit between the capabilities of workers and the design of the working environment, the work processes and the physical and mental demands of Queensland University of Technology Handbook 1996 the task. Insight into ergonomics can assist practitioners to enhance the worker’s safety and comfort, improve work efficiency and performance, and optimise work performance. Topics include: basic anatomy and physiology of body systems; occupational biomechanics; psychology.
Courses: HL88, PU65  
Credit Points: 12  
Contact Hours: 3 per week

■ PUP122 PRACTICE IN CLINICAL DIETETICS
Practical experience and seminar presentations relevant to clinical dietetics conducted in institutions off-campus (40 hours per week for 11 weeks).
Courses: PU62  
Prerequisites: Completion of all Semester 1 and Semester 2 units  
Credit Points: 24  
Contact Hours: 11 weeks

■ PUP123 PRACTICE IN COMMUNITY NUTRITION
Students gain experience in the nutrition and health care of individuals and groups in the community through off campus practice (40 hours per week for 3 weeks).
Courses: PU62  
Prerequisites: Completion of all Semester 1 and Semester 2 units  
Credit Points: 12  
Contact Hours: 4 weeks

■ PUP132 PRACTICE IN FOOD SERVICE MANAGEMENT
Practical experience and seminar presentations. Conducted in institutions off-campus (40 hours per week for 4 weeks).
Courses: PU62  
Prerequisites: Completion of all Semester 1 and Semester 2 units  
Credit Points: 12  
Contact Hours: 3 weeks

■ PUP215 OCCUPATIONAL HEALTH & SAFETY LAW & MANAGEMENT
Students develop an understanding of both the legal framework within which the discipline operates and industrial relations concepts and practices insofar as they impinge upon occupational health and safety. Basic statistical techniques are reviewed as an introduction to the study of concepts of epidemiology applicable to an occupational setting.
Courses: HL88, PU65  
Credit Points: 12  
Contact Hours: 3 per week

■ PUP250 OCCUPATIONAL HYGIENE
Lectures, practical work and industrial visits to instruct students so that they may recognise, evaluate and control the physical, biological and Chemical environmental factors which can adversely affect the health, safety, comfort and efficiency of workers.
Courses: HL88, PU65  
Credit Points: 12  
Contact Hours: 3 per week

■ PUP415 OCCUPATIONAL HEALTH
Exploration of Chemical hazards in the working environment, epidemiological principles and practice, and identification of special risk groups in the workforce. Topics include: the pathological bases of disease in humans; Chronic occupational diseases; occupational skin conditions; respiratory diseases; biological hazards in the work environment (bacteria, parasites, viruses, rickettsia and fungi); Chemical and physical stresses and their physiological responses; physiological monitoring – principles and practice; special risk groups; epidemiological principles and practice.
Courses: HL88, PU65  
Credit Points: 12  
Contact Hours: 3 per week

■ PUP430 HOME ECONOMICS CURRICULUM STUDIES 1
The bases for making decisions about home economics curriculum design and implementation are explored in order for participants to appreciate the complexity of this process and the necessity to clarify their own philosophical base for teaching in the area. The skills appropriate for preparing and implementing sequenced units of work are developed.
Courses: ED37  
Credit Points: 12  
Contact Hours: 3 per week

■ PUP431 HOME ECONOMICS CURRICULUM STUDIES 2
Development of further skills in writing programs of work with an emphasis on advanced teaching/learning strategies, assessment and evaluation and the processes of accreditation and certification concomitant with BOSSSSS requirements; current developments in education and implications for home economics curriculum; feasible teaching/learning approaches congruent with the needs of specific groups are developed to achieve more equitable education outcomes for all students.
Courses: ED37  
Credit Points: 12  
Contact Hours: 3 per week

■ PUP511 OCCUPATIONAL HEALTH MANAGEMENT
Provides students with the necessary skills to plan, organise, coordinate, control and evaluate a successful occupational health program in the workplace. Includes the study of the implementation of successful health assessment and surveillance programs, and the planning, implementation and evaluation of health education and promotion programs. The issues of the maintenance of occupational health records in accordance with legal, ethical and confidentiality guidelines are addressed.
Courses: PU65, HL88  
Credit Points: 12  
Contact Hours: 3 per week

■ PUP521 RISK MANAGEMENT
This unit will provide students with the knowledge and skills for the assessment and quantification of risk in the workplace. It will investigate the various models available to investigate and analyse accidents and propose strategies to prevent similar incidents in the future. Various hazard identification techniques such as HAZOP, Fault Tree Analysis and FMEA will be discussed. The subject will provide students with the ability to position occupational health and safety within an organisation’s strategic decision making process.
Courses: HL88, NS85, PU85, PU65, PU60  
Credit Points: 12  
Contact Hours: 3 per week

■ SCB001 LEARNING AT UNIVERSITY
Aims to develop students’ awareness and use of learning processes necessary for quality learning at university. It encourages a more meaningful approach to learning through the development of active learning strategies effective in scientific study. The content is closely allied to other first year units. Classes have an interactive format which require active student involvement.
Courses: SC30  
Credit Points: 2  
Contact Hours: 1 per week

■ SCB100 COOPERATIVE EDUCATION
Ten to 12 months placement in paid employment related to their course, in a commercial environment under the joint supervision of an industry supervisor and an academic adviser. An academic adviser obtains reports from the student and their work supervisor at regular intervals. The student is required to submit a written report on the conclusion of their placement. Results are determined on the basis of these reports and the employer’s evaluation of the student’s performance and development.
Courses: CH32, MA34, SC30  
Prerequisites: Completion of 4 semesters of a standard full-time degree-level course, normally with a GPA of not less than 4.5 overall

■ SCB202 SCIENCE, TECHNOLOGY & SOCIETY
The origins of modern science and technology in a social and historical context leading to the study of their role and impact in contemporary society; includes case studies of the development of particular concepts, issues and science and technology based industries. Topics include: the study of the nature of science and technology; the sociological functioning of the scientific enterprise – its norms and values; the nature of scientific knowledge – objectivity and epistemological issues; the future of science and technology – policy and influences.
Courses: ED50  
Credit Points: 12  
Contact Hours: 4 per week

■ SCB222 EXPLORATION OF THE UNIVERSE
Introduction to optical observational astronomy; instrumentation; celestial sphere and astronomical coordinates, observa-
tions of constellations, stars, planets, clusters and other interesting celestial objects. Theory: physical geology of the planets and formation of the solar system, gravitation, optics of telescopes, spectra and their measurement, phenomena of astronomical origin, brief introduction to stars and galaxies. Practical exercises and field trips.

Courses: ED50, SC30
Credit Points: 12
Contact Hours: 5 per week

■ SCB246 ENGINEERING PHYSICS & CHEMISTRY
The physics of heat and properties of matter; including heat, energy transfer, heat engines, thermodynamics, entropy and order; and the chemistry of materials including such topics as pH control; polymers and composites and corrosion and its prevention.

Courses: CE42
Prerequisites: CHB002 or equivalent
Credit Points: 8
Contact Hours: 3 per week

■ SCB402 EARTH RESOURCES MANAGEMENT
Appreciation of earth resources; their distribution and uses; societal and environmental impacts and future alternatives; economic mineral resources; energy sources; water and soil resources; realities and limits of earth resources; resource management; conservation versus exploitation; waste disposal; environmental pollution; future technological developments and their possible effects on earth resources. Management in applied geology; professionalism and ethics together with an introduction to civil and mining law. Mining acts and miner’s rights; licensing procedures for prospecting, search and exploration; mining leases on crown lands and mining on private land; the enforcement of mining interest; petroleum legislation in Australia; company structure; joint ventures; practical work involves applications for exploration licences, claim and leases.

A field trip may be included.

Courses: SC30, ED50, IF34, IF71
Credit Points: 12
Contact Hours: 5 per week

■ SCB510 INTRODUCTION TO QUALITY MANAGEMENT
Introduction to quality management principles and the quality improvement journey concept. Topics include quality assurance and the AS9000 series, TQM, quality costs, statistical process control, flow charts, cause and effect diagram, team decision techniques.

Courses: SC30, IF34, IF42, IF44, IF58, IF71, MA34
Prerequisites: MAB237 or MAB347 and successful completion of at least 192 credit points
Credit Points: 12
Contact Hours: 4 per week

■ SSB000 AUSTRALIAN SOCIETY: INTRODUCTION TO SOCIOLOGY
This unit is designed to introduce students to the way sociology approaches the understanding of the social world in general and Australian society in particular. The unit is organised into three sections. The first section tries to define sociology and its place in the social sciences. The second section looks at some of the key concepts of contemporary sociology and will attempt to demonstrate their pertinence to the analysis of Australian society. The third and final section looks at some of the key theoretical debates and how they elucidate some fundamental changes in contemporary societies like Australia.

Courses: PU49, SS07
Credit Points: 12
Contact Hours: 3 per week

■ SSB001 HUMAN DEVELOPMENT 1
Theories of human development; theories of child development; life-events, transitions and stresses of childhood; values clarification regarding children; disturbances in children; applying developmental theory to service provision for children; cross-cultural and Aboriginal child development; moral development; gender development; child abuse; play and creativity in children; bonding and attachment in early childhood; historical development of childhood; family life cycle; biological bases of child development; the impact of political oppression on child development.

Courses: SS07
Credit Points: 12
Contact Hours: 3 per week

■ SSB002 INTRODUCTION TO HUMAN RIGHTS
Historically, social science inquiry has sustained a particular interest in both explaining, and changing, human situations characterised by deprivation, exploitation, oppression, persecution, disadvantage and disempowerment. This unit, the first of three dealing with the study of human rights, explores such situations from a human rights perspective. It begins an exploration idea of individual and collective human rights and assesses selected international and national situations in terms of civil, political, economic, social and cultural rights.

Courses: SS07
Credit Points: 12
Contact Hours: 3 per week

■ SSB003 INTRODUCTION TO PSYCHOLOGY 1A
Using an inductive learning approach, this unit examines ways of conceptualising and understanding behaviour and focusses on social perception; learning theories and paradigms; the nature of emotions and defensiveness; the social psychology of attitudes/values, self concept, roles, gender, power, groups; models of verbal and non-verbal communication; stress.

Courses: SS07
Credit Points: 12
Contact Hours: 3 per week

■ SSB004 SOCIAL INEQUALITY IN AUSTRALIA
This unit explores the nature of social inequality exemplified in approaches to the construction and explanation of ‘inequality’. The subject outlines the way notions such as inequality are constructed and explained with reference to sociological perspectives. Both nineteenth century and contemporary approaches to the construction and explanation of ‘inequality’ are examined in relation to dimensions of inequality such as power, class, status, gender, race and ethnicity. These perspectives are then applied to fields such as the State, Economics, Politics and Culture in contemporary Australia. Students will be encouraged to look critically at the usefulness of the concept of inequality.

Courses: SS07
Credit Points: 12
Contact Hours: 3 per week

■ SSB007 INTERPERSONAL PROCESSES & SKILLS
Examines complex communication skills and understandings; communication as a change process and as narrative; awareness and skills with regard to social style, assertion, confrontation and other influencing skills; conflict; stress and burnout; gender and cross-cultural issues in communication; interviewing skills.

Courses: SS07
Credit Points: 12
Contact Hours: 3 per week

■ SSB008 COUNSELLING THEORY & PRACTICE 1
Analyses and develops skills associated with the nature of counselling, process and helping relationship; theoretical bases of major counselling approaches; counselling skills of major approaches; ‘re-authoring’ and deconstructionist perspectives; ethical, gender and cultural issues in counselling; counselling applied in particular situations; group counselling; change processes in counselling; sociological analysis of the role and function of counselling.

Courses: SS07
Prerequisites: SSB007
Credit Points: 12
Contact Hours: 3 per week

■ SSB010 PROFESSIONAL RESOURCES 1
Develops two key themes: ‘worker as a resource’ theme introduces students to frameworks for practice; human service worker roles and interventions; notions of need and assessment; ‘government and non-government services as resources’ theme introduces students to the legislative base, referral and appeal mechanisms of government and non-government services.

Courses: SS07
Credit Points: 12
Contact Hours: 3 per week

■ SSB011 CHILD & FAMILY SERVICES 1
Introduction to child and family welfare theory and practice and contemporary services, particularly family violence; successes, family functioning and adaptation through the life span; basic needs and rights of families; developmental stages and transitions of the family life cycle; family relationship dynamics, causes of family dysfunction, crises and disruption;
theoretical approaches working with families, family assessments, planning interventions and recording data; legislation, ethical and practice standards.

**Courses:** SSB07  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB012 DISABILITY SERVICES: INTRODUCTION**  
History and attitudes to disability; discourses on disability; assumptions underlying relationships and services provision; impact of disability upon individuals and their families; critical review of the principles and theoretical frameworks (normalisation, social role valourisation, least restrictive alternatives, dignity of risk, self-advocacy) which underpin services; personal futures planning for and with individuals.

**Courses:** SSB07  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB013 CORRECTIVE SERVICES: INTRODUCTION**  
This unit is designed to introduce students to the development and function of corrective services within the Australian criminal justice system. Examining the history and changing role and functions of prisons, and the emergence of Community Corrections, the unit assists students in understanding social and philosophical underpinnings about the purpose and function of prisons and community corrections. This includes social order and social control, theories of deviance, Aboriginal and women incarcerates and the implications of Australia’s multicultural society on law, order and imprisonment.

**Courses:** SSB07  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB014 AGED SERVICES: INTRODUCTION**  
This unit is the first of three focusing specifically on human service work with older adults. It introduces the historical, social, cultural and legislative scene within which services to older adults operates, aspects of intelligence, memory and learning in relation to ageing and perspectives of work and retirement. In addition the home environment and living with change, relations with family members and dealing with death and grief are discussed.

**Courses:** SSB07  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB015 MULTICULTURAL SERVICES 1**  
The unit aims to provide a basic orientation to the context, options and difficulties associated with human service programs for multicultural Australia. It introduces the policies, concepts and issues surrounding multicultural services. Students will gain and understanding of the experiences of immigration and resettlement.

**Courses:** SSB07  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB016 SERVICES TO YOUNG PEOPLE: INTRODUCTION**  
This unit will provide an introduction to youth work practice and to the contemporary provision of youth services. Major theoretical approaches to understanding young people will be examined. The social construction of “youth” in contemporary Australian society will be an area of specific focus. The nature of contemporary issues affecting young people will be investigated under the broad headings of health, education, vocational training and the labour market; accommodation/housing; juvenile justice; and young people in the context of families. Contemporary service provision to young people will be identified, together with contemporary policy and practice issues.

**Courses:** SSB07  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB017 GROUP WORK**  
This unit provides an intensive group experience in either a camp, weekend residential or two single day program and examines types of groups and varieties of group experiences; the importance and uniqueness of group medium; understanding behaviour in the group context; theories and models of group development; leader and member behaviours; planning, implementing and evaluating group methods; establishing groups and planning group approaches; the group as a therapeutic community; evaluating group work; ethical issues.

**Courses:** SSB07  
**Prerequisites:** SSB007  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB019 PROFESSIONAL RESOURCES 2**  
Extension of ‘the worker as a resource’ and ‘government and non-government services as resources’ themes. Most particularly, students integrate welfare interviewing and referral skills with their knowledge of service networks through a series of interview role plays. Introduction to the use of statistics (from electronic and print resources) in service planning and submission writing.

**Courses:** SSB07  
**Prerequisites:** SSB007  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB020 CHILD & FAMILY SERVICES 2**  
An overview of the frameworks, assessments and intervention skills necessary for human service work with children in the following contexts: child protection, alternative care, domestic violence, divorce, juvenile justice and chemical dependency.

**Courses:** SSB07  
**Prerequisites:** SSB011  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB021 DISABILITY SERVICES: PRACTICE ISSUES**  
Major life domains of home, work, education, leisure, relationships as they relate to people with a disability; critiquing service response-underpinning philosophies, effects on service users and providers; promoting valued social roles, quality of and empowering environments for people with a disability; examination of the regulatory environment affecting services; preparation for Industry Practicum; impact of specific disabling conditions-intellectual, physical, sensory and psychiatric.

**Courses:** SSB07  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB022 CORRECTIVE SERVICES: PRACTICE ISSUES**  
This unit investigates current corrective services policies and practices by examining empirical data, legislation and political influences on the policies and practices. It explores prison operations, prisoner management and rehabilitation programs, criminal behaviour trends, community corrections practices, managing juvenile offenders and the victims of crime. The course provides students with relevant information in preparation for the field education component of the course.

**Courses:** SSB07  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB023 AGED SERVICES: PRACTICE ISSUES**  
This unit builds on the knowledge, skills, and abilities developed in Aged Services: Introduction. It has an emphasis on investigating and addressing the needs of people as they grow older in the Australian environment. The unit offers an overview of programs and services available to older adults locally and federally. It also develops critical awareness of practice regulations imposed by legislation and other regulatory bodies. This unit is instrumental in preparing students for their field practicum.

**Courses:** SSB07  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB024 MULTICULTURAL SERVICES 2**  
This unit aims to increase the knowledge and understanding of the characteristics and circumstances of Australia’s ethnic minorities and their implications in the use of welfare intervention techniques. The needs and issues of specific interest groups are explored. The unit promotes cultural sensitivity by exploring the social mores of Australia’s ethnic minorities.

**Courses:** SSB07  
**Prerequisites:** SSB105  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB025 SERVICES TO YOUNG PEOPLE: PRACTICE ISSUES**  
This unit is composed of three inter-related elements. The first explores differences in the situation and experience of young people using the major organisers of gender, ethnicity, race,
locality, disability, sexual orientation and socio-economic status/class. Implications for youth work practice will be examined. The second element identifies and develops analysis regarding current and emerging service delivery models. The third element examines a range of issues, skills and knowledge necessary for beginning practice in service delivery to young people.

**Courses:** SSB07
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB027 COMMUNITY WORK**
Community work as a distinct intervention skill is defined. The background to Community Work in Australia. Models of community work are introduced and analysed. Basic skills and techniques are developed: entering a community; building community involvement; developing community action; managing common problems.

**Courses:** SSB07
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB030 CHILD & FAMILY SERVICES 3**
Work with disadvantaged parents, foster parents and adoptive parents; human services responses by women for women; parents’ and women’s participation in services; service characteristics consistent with user rights, empowerment and social justice; parents and families involuntarily receiving services; application of skills in ethical decision-making, policy development, development of interpersonal processes and group work.

**Courses:** SSB07  
**Prerequisites:** SSB020  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB031 DISABILITY SERVICES: ADVANCED PRACTICE**
Review of Industry Practicum experiences; federal, state and local government policies, legislation and programs; analysis of international influences on Australian scene; policy areas of disability-income maintenance, housing, education, transport, employment; legal and ethical issues confronting individuals and agencies working with people with disabilities and their families; team building, teamwork and collaboration among professionals, service agencies and consumers, approaches to advocacy.

**Courses:** SSB07  
**Prerequisites:** SSB021, SSB059  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB032 CORRECTIVE SERVICES: ADVANCED PRACTICE**
This unit is designed to enhance students' knowledge and understanding of contemporary issues currently facing corrective service administration based on analysing the students’ field education experiences. From this understanding students will be assisted in developing their critical thinking and problem solving skills, and undertake strategies to prepare for employment opportunities in corrective services.

**Courses:** SSB07  
**Prerequisites:** SSB022, SSB059  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB033 AGED SERVICES: ADVANCED PRACTICE**
This unit analyses and builds on the field experience and assists the integration of theory and practice. It also critically evaluates the range of human service responses in the field of aged services. It develops capacities to analyse the health and wellness status of older adults. Topics covered include: self care, physical fitness, nutrition, sexuality, dementia, substance abuse, depression and coping. Skills for planning programs and workshops with a health focus are developed.

**Courses:** SSB07  
**Prerequisites:** SSB023, SSB059  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB034 MULTICULTURAL SERVICES 3**
This unit aims to develop the students’ ability to critically evaluate Australia’s social institutions for their relevance and fairness to ethnic minorities. Explores contemporary principles which direct service delivery as it relates to ethnic minorities and evaluate current promotion methods employed.

**Courses:** SSB07  
**Prerequisites:** SSB024  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB035 SERVICES TO YOUNG PEOPLE: ADVANCED PRACTICE**
This unit focuses on the development of specific skills and knowledge required in the professional practice within services to young people. The unit utilises the experiences of students on the field practicum as a starting point for examining particular areas of specialist skill. The skill areas chosen reflect both micro and macro aspects of contemporary practice in services to young people. Practice frameworks and skills in the following areas are included: statutory juvenile justice, crime prevention, mental illness, suicide prevention, drug and alcohol misuse, prevention and early intervention in relation to homelessness, consumer rights, grief and loss, youth policy analysis and development, and ethics in working with young people and in services to young people.

**Courses:** SSB07  
**Prerequisites:** SSB025, SSB059  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB037 STUDIES IN HUMAN RIGHTS 3**
This is the third unit dedicated to studies in human rights. It maintains and expands the human rights framework by examining notions of collective or solidarity rights. It applies such a framework to linguistic, religious, legal, social and political issues relating to ethnic minorities and indigenous peoples. It uses a collective rights framework to explore the inter-relation between human rights and global issues including peace, international security, sustainable development, environmental degradation and the national rights to economic, social and cultural development.

**Courses:** SSB07  
**Prerequisites:** Course: SSB006  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB038 SOCIAL POLICY & SOCIAL CHANGE**
Conceptualising economic, population and structural change in Australia; understanding emergent ideas about state and society; identifying and contrasting alternative social policies and strategies.

**Courses:** SSB07  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB039 CONTEMPORARY SOCIAL POLICIES**
Major debates in social policy will be explored. Analyses of Australia’s response and the impact on redistribution in the Welfare State. Current analyses of health, housing, income security, legal immigration and family policies at federal, state and local government level.

**Courses:** SSB07  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB046 DIRECTED STUDIES IN HUMAN SERVICE PRACTICE & THEORIES**
This unit will provide an opportunity for students to undertake a directed reading and study project within their chosen service area. Students will undertake study which has a high level of specificity within an area or areas of practice identified by each Service Coordinator. Contents will be tailored to the specific service area.

**Courses:** SSB07  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB048 ORGANISATIONAL SKILLS 2**
The managerial task in human service organisations; managerial paradigms and an empowering managerial framework; developing collaborative work environments; recruitment, selection and development of workers; managing disagreement and conflict; introducing change.

**Courses:** SSB07  
**Prerequisites:** SSB047  
**Credit Points:** 12  
**Contact Hours:** 3 per week

**SSB049 FIELDWORK PRACTICUM**
This unit will run only in 1997 and only for transitional students. A two-stage program of pre-placement tutorials and a ten week block placement (or negotiated equivalent) in a human service setting (offering a professionally supervised, contract learning experience of human service work). This unit challenges students to consolidate and extend critical human service competencies, attitudes and knowledge.
Courses: SSB07
Prerequisites: SSB026 and enrolment in the Bachelor of Social Science (Human Services). All preceding units are prerequisites/corequisites at the discretion of the Course Coordinator and Field Education Coordinator.
Credit Points: 24

SSB050 INTRODUCTION TO HUMAN SERVICES
This unit is designed to introduce students to the human service industry in Australia and to the role of professional human service practitioners. It provides foundation knowledge about the industry, its size, composition, role in the society and economy, historical, cultural, economic and political foundations. In doing so it places Australia in a comparative and global context.
Courses: SSB07
Credit Points: 12

SSB051 HUMAN DEVELOPMENT
This course takes students through the human life span with an emphasis placed on how structural disadvantage, social stressors and oppressive conditions can impact on the developing human. The unit attempts to help the students develop skills to assess and intervene in issues affecting children, youth, adults and the aged. It attempts to help students develop an understanding of how broad social factors can impact upon individual lives. Issues to be addressed in this unit include child abuse, domestic violence, children’s rights, children’s political development, the effect of bias on children, the social construction of the periods of life, child resiliency, unemployment and employment, the development of gender and sexuality, relationships, and ageism, as well as some of the well-known theories of child and adult development. Students are encouraged to use their own life experiences in applying these ideas.
Courses: SSB07
Credit Points: 12

SSB052 INTERPERSONAL SKILLS FOR HUMAN SERVICES
This unit introduces the skills and processes of interpersonal relationships with emphasis on microskills such as attending, questioning, reflective listening and confronting which are essential to understanding, building empathy with and advocating for clients of human services. The skills and knowledge of process and theories also facilitate growth of teamwork among colleagues and effective personal relationships. The processes which follow when people interact in small groups to set and achieve goals, make decisions, solve problems and offer mutual support are also covered.
Courses: SSB07
Credit Points: 12

SSB053 POLICY & SOCIAL CHANGES IN HUMAN SERVICES
Conceptualising economic, population and structural change in Australia: understanding emergent ideas about state and society; identifying and contrasting alternative social policies and strategies. The major debates in Social Policy will be explored. Analyses of Australia’s response and the impact on redistribution in the Welfare State. Current analyses of health, housing, income security, legal, immigration and family policies at federal, state and local government level.
Courses: SSB07
Credit Points: 12

SSB054 WORKING IN HUMAN SERVICE ORGANISATIONS
Service quality in organisational dimension; industrialisation and development of work organisations; power based organisational paradigm and managerial tasks; organisational cultures and gender; empowering organisational paradigm; personal skills for human service workers such as career, time and stress management; interpersonal skills for working collaboratively and resolving disagreement.
Courses: SSB07
Credit Points: 12

SSB055 ETHICS, RIGHTS & HUMAN SERVICES
Review of major international instruments dealing with political, civil, economic, social and cultural rights; specific rights based legislation in Australia; integrity of administration in public and private sectors; introduction to ethics and models of ethical decision making; principles underpinning codes of conduct for professional workers.
Courses: SSB07
Credit Points: 12

SSB056 PRACTICE THEORIES & CONTEXTS
This unit introduces students to the theories and models underpinning human service practice. It provides ways of conceptualising human service practice, and encourages students to develop workable practice frameworks. It contextualises human services practice within the orienting disciplinary theories and introduces specific human service practice theories. In doing so, the application of the various practice theories and models in the field are stressed.
Courses: SSB07
Credit Points: 12

SSB057 HUMAN SERVICES INDUSTRY EXPERIENCE
Introduction to locating work within the human service industry; theories relating learning processes to reflective practice; issues facing beginning practitioners; role of professional development; development of industry skills, eg. writing case reports, office procedures.
Courses: SSB07
Credit Points: 12

SSB058 SOCIAL ENQUIRY
Part of human service work involves the capacity to analyse and critique policy documents and to understand the logic of program evaluation. This unit is designed to acquaint students with both the philosophies, principles and practical skills required for this aspect of their work. Social scientific knowledge, its uses and political and ethical implications in the human service context; research designs and methodologies; and interpreting policy and evaluation research are discussed.
Courses: SSB07
Credit Points: 12

SSB101 INTRODUCTION TO PSYCHOLOGY & HEALTH CARE
An introduction to the principal content areas and methodology of psychology. Topics include: developmental theory; perception and cognition; personality; emotions, stress, anxiety and coping; self-esteem and self-identity and learning.
Courses: NS40
Credit Points: 12

SSB440 LOGIC OF SOCIAL INQUIRY
Questions relating to the nature of social explanation such as: types of objectivity, the relationship of theory and observation, the nature of social causation, and the process of model construction, are applied to the translation of philosophies and principles of research into concrete research strategies.
Courses: AT22
Credit Points: 12

SSB442 ADVANCED SEMINAR IN SOCIOLOGICAL RESEARCH
Introduces students to important contemporary debates in sociological research, in order to deepen their understanding of social issues and enable them to critically evaluate issues, theories, policies and differing images of society.
Courses: SS13
Credit Points: 12

SSB444 RESEARCH COLLOQUIUM
Provides a forum for the discussion of problems associated with research and writing. Allows students to share with each other the outcomes of their scholarly activities. Invited researchers will provide insights into the research process.
Courses: SS13
Credit Points: 12
**SSB448/1 RESEARCH THESIS 1**
The design and initial development, including the literature review, of the Sociology Honours dissertation topic, under the direction of the supervisor.

- **Courses:** SS13
- **Credit Points:** 12
- **Contact Hours:** 0.5 per week

**SSB448/2 RESEARCH THESIS 2**
The further design and initial development, including the literature review, of the Sociology Honours dissertation topic, under the direction of the supervisor.

- **Courses:** SS13
- **Credit Points:** 12
- **Contact Hours:** 0.5 per week

**SSB448/3 RESEARCH THESIS 3**
The further researching and preliminary drafting of the Sociology Honours dissertation, under the direction of the supervisor.

- **Courses:** SS13
- **Credit Points:** 12
- **Contact Hours:** 0.5 per week

**SSB448/4 RESEARCH THESIS 4**
The further researching and drafting of the Sociology Honours dissertation, under the direction of the supervisor.

- **Courses:** SS13
- **Credit Points:** 12
- **Contact Hours:** 0.5 per week

**SSB448/5 RESEARCH THESIS 5**
The further researching, final drafting and submission of the Sociology Honours dissertation, under the direction of the supervisor.

- **Courses:** SS13
- **Credit Points:** 12
- **Contact Hours:** 0.5 per week

**SSB802 TECHNOLOGY & CULTURE**
Investigates the social and cultural aspects of technology practices; the relationship between social and cultural organisations and behaviour; and the technical aspects of human development; historical, anthropological, sociological, and cultural perspectives are used to analyse the relationship between technology and culture.

- **Courses:** ED26
- **Credit Points:** 12
- **Contact Hours:** 3 per week

**SSB8803 SOCIAL PSYCHOLOGY**
General study of applied social psychology and its relevance to a variety of professional roles and work environments; group dynamics and related concepts; analysing small group development; behaviours affected by stress or pressure; health, environmental design and work space.

- **Courses:** PU49
- **Credit Points:** 12
- **Contact Hours:** 3 per week

**SSB804 PSYCHOLOGY & GENDER**
What is gender?: theories of gender; male and female; masculine and feminine; roles versus power; counselling issues; old and new paradigms; history of psychology of gender; sexuality; mothers and fathers; ‘psychology constructs the female’; psychology in patriarchal discourse; family therapy theory and feminist critiques; psychological constructs and the media; film and media; psychology of gender and power.

- **Courses:** SS07
- **Prerequisites:** SSB003 or SSB912
- **Credit Points:** 12
- **Contact Hours:** 3 per week

**SSB806 INTERPERSONAL & GROUP PROCESSES**
Understanding relationships and small group dynamics with emphasis on skill development in listening, helpful responding, assertion, conflict resolution, disclosure, feedback; models of group development and roles lead to facilitation and leadership skills. Skills are applied and analysed outside the class.

- **Courses:** ED50
- **Credit Points:** 12
- **Contact Hours:** 3 per week

**SSB807 HUMAN SEXUALITY**
Sexuality; model strategies for dealing appropriately with sensitive, value-laden issues; personal comfort in discussion of sexual matters; aspects of sexuality relevant to the student’s own development; the sexual development of adolescents; issues of social concern such as sexual abuse of children.

- **Courses:** ED50
- **Credit Points:** 12
- **Contact Hours:** 3 per week

**SSB890 PSYCHOLOGY**
Students critically evaluate statements about behaviour; state and give examples of higher order motives and apply this knowledge to work and interpersonal situations; understand factors which cause people to misperceive others, and explain how to minimise misperception; use of effective social skills in interpersonal and group settings; understand theories of attitude, change and know implications of changing the behaviour of others; use skills necessary for starting a successful small business.

- **Courses:** PU47
- **Credit Points:** 8
- **Contact Hours:** 3 per week

**SSB903 SOCIOLOGY FOR HEALTH PROFESSIONALS**
An examination of sociology’s origins, theories, perspectives and methodologies with reference to health and wellness, illness and premature mortality; empirical data on mortality and morbidity in contemporary Australia are presented and subjected to sociological analyses to indicate social patterns, processes promoting or constraining levels of health.

- **Courses:** PU42
- **Credit Points:** 6
- **Contact Hours:** 3 per week

**SSB904 SOCIOLOGY OF HEALTH & ILLNESS**
This unit analyses in detail the statement that: ‘The major determinants of health and illness are social, cultural, behavioural, occupational, regional, environmental and parental.’ Indigenous, migrant and rural health determinants in Australia are investigated. The importance of a social and cultural approach to environmental health issues is highlighted.

- **Courses:** PU42
- **Prerequisites:** SSB903
- **Credit Points:** 6
- **Contact Hours:** 3 per week

**SSB905 PSYCHOLOGY FOR HEALTH PROFESSIONALS**
Presents particular aspects of the theories, skills and approaches of interpersonal, social and organisational psychology which are relevant to nursing practice. Topics include: humanistic, cognitive, behavioural and social models for understanding the individual; communication processes; self-concept and self-esteem; protection of the ego; the impact of emotions and beliefs on health behaviour; and interpersonal communication skills.

- **Courses:** NS40, NS48
- **Credit Points:** 8
- **Contact Hours:** 3 per week

**SSB906 SOCIOLOGY FOR HEALTH PROFESSIONALS**
Sociological theories and methods are studied to identify and analyse social relationships, social processes and social patterns relating to the social origins of illness and wellness; analysis trends in morbidity and mortality in society which are not randomly distributed but associated with social structural variables such as ethnicity, gender, social class, age and geographical location; examines the health care system internally and in relation to its public use and its effectiveness in addressing contemporary health issues in Australia.

- **Courses:** NS40, NS48
- **Credit Points:** 8
- **Contact Hours:** 3 per week

**SSB908 BEHAVIOURAL SCIENCE**
An introduction to perception, motivation, individual personality, social attitudes, group interaction and dynamics; social motives and the sources and resolution of conflict; the practical application and limitations of behavioural studies; readings and case studies drawn from the building industry; the job and responsibilities of management; the functions and role of the manager including planning, organisation, control, budgeting and decision-making; styles of leadership; employee selection training, appraising and promotion; worker efficiency and working conditions.

- **Courses:** CN31, CN32
- **Credit Points:** 6
- **Contact Hours:** 2 per week

**SSB910 INTRODUCTORY PSYCHOLOGY FOR HEALTH PROFESSIONALS**
A course of lectures and tutorials on psychology as a science...
and interpersonal behaviour and skills and its relevance to the radiographer.

Courses: PH38  
Credit Points: 4  
Contact Hours: 2 per week

SSB911 GENERAL PSYCHOLOGY
This course is designed to give optometry students an ability to demonstrate effective interpersonal skills in relation to patients and other health professionals; indicate bases of individual differences; diagnose patient needs and respond appropriately; state causes of stress, effects on health, and indicate appropriate techniques to reduce stress; indicate techniques that may be used to modify patient attitudes.

Courses: OP42  
Credit Points: 4  
Contact Hours: 3 per week

SSB912 PSYCHOLOGY
An introduction to general psychology to give a base for subsequent studies in the various fields of psychology and to provide limited skills training in some areas for personal development; research approaches; learning and motivation; individual differences; development of groups and the assessment of individuals within groups; perception, human development, and stress management, individual differences, psychological testing and personality.

Courses: HM42, PU49  
Credit Points: 12  
Contact Hours: 3 per week

SSB913 DEVELOPMENTAL PSYCHOLOGY
A basis for the study of the promotion of psychological health of individuals at differing developmental stages. The content includes psychological adjustment, developmental theories, development of childhood, adolescence, middle and old age and specific areas such as sexual development, death and dying; relationships to work and professional environments.

Courses: SSB003 or SSB932  
Credit Points: 12  
Contact Hours: 3 per week

SSB915 SOCIAL PSYCHOLOGY
Philosophy of social science; historical perspective; social and self and personal space; social perception and groups; research methodology; stereotypes and prejudice; conformity; persuasion; attraction and intimacy; help seeking and giving; aggression; leadership.

Courses: SSB003, or SSB932  
Credit Points: 12  
Contact Hours: 3 per week

SSB917 PHYSIOLOGICAL & HEALTH PSYCHOLOGY
The physiological and cognitive bases to human behaviour; the nervous and endocrine systems of the body, the brain and its functioning; learning, information processing, memory and problem solving; consciousness and altered states of consciousness; hormones and drugs and their effects on emotional expression; the development of intelligence; the relation of physiological and cognitive factors to motivation and behaviour.

Courses: SSB003 or SSB912 or SSB932  
Credit Points: 12  
Contact Hours: 3 per week

SSB921 COUNSELLING & CRISIS MANAGEMENT
The basic theories and principles of crisis intervention methodology; the roles of nurses in counselling clients who are currently experiencing difficulties; appropriate interpersonal and specific counselling skills to assist with this therapeutic communication process; short-term strategies in crisis management.

Courses: NS48  
Credit Points: 8  
Contact Hours: 3 per week

SSB922 SOCIAL & CULTURAL ASPECTS OF HEALTH
A broad overview of the key theoretical and practical questions currently being addressed in the field of the sociology of health and illness providing a framework for individuals wishing to develop professional skills in health education.

Courses: ED50  
Credit Points: 12  
Contact Hours: 3 per week

SSB930 PSYCHOLOGICAL RESEARCH METHODS
An overview of the purposes and strategies of research; elementary research design; operationalising variables; descriptive statistics; distributions; measures of central tendency and spread; standard scores and percentiles. Comparing variables through correlation; introduction to the use of SPSS.

Courses: SSB07  
Credit Points: 12  
Contact Hours: 3 per week  
Incompatible with: MAB237, MAB247

SSB931 PERCEPTION
Explores the way we gain information about the world through our various senses. Whilst most emphasis is given to hearing and vision, the senses of touch, smell, taste, and orientation are also covered. In each case, the unit provides an overview of the nature of the physical stimulus, the peripheral and central structures involved in processing these stimuli, and the various theories which have been proposed regarding how each modality operates. In all cases, a strong emphasis is placed on critical assessment of theories and the experimental evidence supporting them. The unit also introduces the major psychological procedures employed in perceptual research, and highlights applied research in each domain.

Courses: SSB07  
Credit Points: 12  
Contact Hours: 3 per week

SSB932 INTRODUCTION TO PSYCHOLOGY 1B
A more detailed consideration of a range of topics considered in introductory psychology units with a focus on research processes, in particular branches of psychology to be studied in second and third years. Includes topics in social and organisational psychology, developmental psychology and cognitive psychology, physiological psychology, personality and abnormal psychology.

Courses: SSB003 or SSB912  
Credit Points: 12  
Contact Hours: 3 per week

SSB933 COGNITIVE PSYCHOLOGY
This unit explores both the cognitive mechanisms involved in processing information and behavioural models of learning. The information processing component covers topics including: sensory storage, attention, pattern recognition, working memory, long-term memory, and applied psychology. The learning component deals with the phenomenology of behavioural learning paradigms including classical and operant conditioning. In both cases, the unit emphasises the need for critical analysis of theories and the experimental evidence supporting them.

Courses: SSB003 or SSB912  
Contact Hours: 3 per week

SSB934 PHYSIOLOGICAL PSYCHOLOGY
The physiological and cognitive bases to human behaviour; the nervous and endocrine systems of the body, the brain and its functioning; learning, information processing, memory and problem solving; consciousness and altered states of consciousness; hormones and drugs and their effects on emotional expression; the development of intelligence; and overall the relation of physiological and cognitive factors to motivation and behaviour. Some attention is also given to comparative psychology, with reference to animal/human behaviour.

Courses: SSB003, or SSB932  
Credit Points: 12  
Contact Hours: 3 per week

SSB936 PERSONALITY & PSYCHOPATHOLOGY
Overview of some of the major personality theorists and theories in order to develop an understanding of contemporary approaches to normal personality and psychological function; disordered psychological function and Perspectives of research and theory relating to the major classes of mental disorder iden-
ified in DSMIV, the diagnostic and classification manual most frequently employed in Australia and the United States.

Courses: SS07  Prerequisites: SSB915  Credit Points: 12  Contact Hours: 3 per week

SSB937 APPLIED COGNITIVE PSYCHOLOGY
An introduction to cognitive psychology; perception processes in cognition; memory processes; problem-solving and decision-making; development of intelligence application of cognitive psychology. Artificial intelligence, ergonomics and job design are also included as topics.

Courses: IF52, IF54, IS43, IT20  Prerequisites: SSB912 or 96 credit points of approved study  Credit Points: 12  Contact Hours: 3 per week  Incompatible with: SSB933

SSB939 ALCOHOL & OTHER DRUG STUDIES
A second or third year elective work giving attention to the following: what is a drug?; an overview of licit and illicit drugs; states of consciousness; models of use: assessment; and referral practices; theories and research into dependency, historical examples of drug use; Australian drug use; social reinforcement of drug use; gender issues; cultural issues; physiology of drug use; power issues; crisis intervention; legal issues; mythology and drug use.

Courses: SS07  Credit Points: 12  Contact Hours: 3 per week

SSB941 PSYCHOLOGICAL ASSESSMENT
Principles of psychological assessment and testing in normal and clinical, child and adult groups, with an emphasis on psychometric theory. Theory and applications of testing in normal populations, looking at intelligence testing, educational and vocational guidance; industrial and organisational assessment; evaluation of the environment, and computerised assessment procedures. Assessment in clinical and special normal populations, including the clinical interview, personality testing, neuropsychological assessment, and issues concerning assessment of children, families, and the elderly. Legal and ethical considerations in psychological and psychometric assessment.

Courses: SS07  Prerequisites: 36 credit points of second or third year psychology units  Credit Points: 12  Contact Hours: 3 per week

SSB942 INDEPENDENT STUDY (PSYCHOLOGY)
This unit gives students the opportunity to work on a program of study of interest to them, under supervision. Intending students must be in semester two of year three, with a GPA of 5.0 or above, have a staff member willing to supervise their work and be able to demonstrate that their project relates to their proposed program of postgraduate study. Intending students must also have the permission of the unit coordinator. This unit will not be approved if other electives are available.

Courses: SS07  Prerequisites: 36 credit points of second or third year psychology units  Credit Points: 12  Contact Hours: 3 per week

SSB943 OCCUPATIONAL & VOCATIONAL PSYCHOLOGY
The well-being and productivity of individuals and groups in the workforce; the psychological and social effects of unemployment; career planning and choice; the transition from school or college to work; adjustment at work; interests, values and ethics inherent in or related to the different workplaces and professions; theories and models of career choice and development; health and adjustment at work; unemployment.

Courses: SS07  Prerequisites: 36 credit points of second or third year psychology units  Credit Points: 12  Contact Hours: 3 per week

SSB944 INDUSTRIAL & ORGANISATIONAL PSYCHOLOGY
This unit examines human factors in job design, occupational health and safety, work and personal motivation, the assessment of suitability and/or of performance, and the qualities needed in career advancement.

Courses: SS07  Prerequisites: SSB915, SSB930  Credit Points: 12  Contact Hours: 3 per week

SSB946 COUNSELLING THEORY & PRACTICE 2
Counselling issues and approaches in relation to loss and grief, post-traumatic stress, rehabilitation, drugs and substance abuse, relationship counselling, separation, sexual abuse, suicide, cultural differences, psychosis; current approaches to counselling including process work, brief psychotherapy, laycounselling and the construction of problems; group therapy; group counselling; analytic psychotherapy; ethical, social and moral issues in counselling.

Courses: SS07  Prerequisites: SSB908  Credit Points: 12  Contact Hours: 3 per week

SSB948 ADVANCED DEVELOPMENTAL PSYCHOLOGY
Primary attention is given to research methods in developmental psychology and major issues in life development will be covered including infant development, cognitive development, social development, ageing, parenthood and marriage. Students will be asked to carry out a major class research project. The primary aim is to promote the skills necessary to critically evaluate and carry out solid research in developmental psychology.

Courses: SS07  Prerequisites: 36 credit points of second level psychology units including SSB005 or SSB913 as one of the units  Credit Points: 12  Contact Hours: 3 per week

SSB949 INTRODUCTION TO FAMILY THERAPY
Major concepts of systemic therapy as applied to families; major models of family therapy, e.g. structural, strategic, systemic, solution focused; assessment of family structures and dynamics; using therapeutic teams, e.g. reflecting team; contemporary issues in family work, e.g. gender, ethnicity, changing family foundations; specific ethical issues, e.g. confidentiality, record keeping, interaction with other systems, referral management; family dynamics.

Courses: SS07  Prerequisites: SSB908  Credit Points: 12  Contact Hours: 3 per week

SSB950 RESEARCH DESIGN & DATA ANALYSIS
An overview of the scientific method; the use of the null hypothesis; Type I and Type II errors; issues of control; underlying assumptions; basic experimental and non-experimental design; inferential statistics; t tests; simple regression; one-way analysis of variance; correlations and correlational analysis, computer-based statistical analysis; introduction to non-parametric analyses including Chi-Square and the analysis of ranked data. Introduction to the use of SPSS in statistical analysis.

Courses: SS07  Prerequisites: SSB930  Credit Points: 12  Contact Hours: 3 per week

SSB951 ADVANCED STATISTICAL ANALYSIS
A specialist statistical program is taught for the preparation and support of students using quantitative procedures for research; procedures are practised on data available in ACSPRI archives and/or from school and other research projects and will prepare for the collection of their own database for their major project; may be offered to postgraduate students enrolled in other QUT Schools and Faculties.

Courses: SS07  Prerequisites: SSB950  Credit Points: 12  Contact Hours: 3 per week

SSB953 SPECIAL TOPIC
As determined by the special topic presenter in conjunction with the Head of School; usually at third year level.

Courses: SS07  Prerequisites: At least 144 credit points at degree level and specific units as required  Credit Points: 12  Contact Hours: 3 per week

SSB960 SOCIOLOGICAL THEORY
The unit focuses on a sustained treatment of the concept of globalisation and the theories that it has provoked in contemporary sociological debates. This will entail a look at processes of globalisation in contemporary societies and state-systems. We shall look, therefore, at the new zonal groupings – the European, North-East Asian and North American – now in the process of formation; and the economic, political and cultural trends

UNIT SYNOPSES
that are leading in this direction. It will also look at Australia’s place in the new world order/disorder.

**Courses:** SS07  
**Credit Points:** 12  
**Contact Hours:** 3 per week  

**SSB961 AUSTRALIAN SOCIETY: INTRODUCTION TO SOCIOLOGY**

Placing sociology in its own socio-historical context, tracing the origins and development of the discipline and identifying the forces that shaped the various perspectives and theories of sociology and the associated research methodologies. Major theoretical perspectives are introduced, compared and contrasted, and sociological concepts, theories and debates are discussed within the context of the analysis of contemporary Australia. A particular emphasis in the course is directed towards those factors that appear to promote, constrain or influence social stability, social change and social inequality.

**Courses:** PU49  
**Credit Points:** 12  
**Contact Hours:** 3 per week  

**SSB962 SURVEY METHODS**

This unit introduces students to the use of social surveys in sociological research. Students will be asked to design and conduct a survey using basic statistical techniques and the SPSS computer package designed for social scientists.

**Courses:** SS07  
**Credit Points:** 12  
**Contact Hours:** 3 per week  

**SSB964 SEX, GENDER & SOCIETY**

This unit focuses on the history of feminist thought and contemporary perspectives with reference to issues of sociological inquiry. It examines the significance of perspectives from critical theory, structuralism, post-structuralism and action approaches in the development of feminist theory. The implications of feminist perspectives for research strategies will be considered with reference to feminist philosophers of science and metatheorists such as Sandra Harding and Dorothy Smith.

**Courses:** SS07  
**Credit Points:** 12  
**Contact Hours:** 3 per week  

**SSB965 CULTURAL STUDIES**

This unit will focus on culture and its role in the construction of the person and of social life. Much of the emphasis of this unit is on historical sociology and cross-cultural sociology; this strategic emphasis is taken in order to throw modern experiences into relief. We shall study a series of experiences which have only recently made their way into the sociological mainstream: the ‘limit experiences’ of madness, death, sexuality and criminality; and the ‘miscellany’ of social life – those experiences that were once thought too unimportant to study, such as swimming, walking, spitting and eating.

**Courses:** SS07  
**Credit Points:** 12  
**Contact Hours:** 3 per week  

**SSB966 INDEPENDENT STUDY (SOCIOLOGY)**

This unit gives students the opportunity to work on their own research programs under supervision. Students will, either individually or in small groups, undertake a reading program in an approved content area leading to written work of around 4000 words.

**Courses:** SS07  
**Prerequisites:** 60 credit points in sociology  
**Credit Points:** 12  
**Contact Hours:** 3 per week  

**SSB969 SOCIOLOGICAL THEORY & ANALYSIS**

This unit confronts two central issues in sociological work: the relationship between the sphere of social positions and that of culture, and the place of theory in the broader task of sociological analysis. Theoretical approaches to the determination of cultural practices are explored from the major nineteenth century theorists to contemporary challenges from ethnomethodological, feminist, poststructural and postmodern perspectives. These approaches are also explored with reference to their relationship to research strategies.

**Courses:** SS07  
**Credit Points:** 12  
**Contact Hours:** 3 per week  

**SSB970 ECONOMIC SOCIOLOGY**

This unit examines major perspectives in the study of work and organisations and their implications for research strategies. Specifically, it looks at the development of an orthodoxy in industrial sociology, and challenges to this orthodoxy with reference to Taylorist, Fordist and Post-Fordist accounts of work organisation. The relevance of this ‘discourse on industry’ is examined in the light of contemporary perspectives such as feminism, poststructuralism and ethnomet hodology.

**Courses:** SS07  
**Credit Points:** 12  
**Contact Hours:** 3 per week  

**SSB971 POLITICAL SOCIOLOGY**

This unit examines a variety of sociological themes which might broadly be termed ‘political’. Central to the unit will be an examination of sociological conceptions of power. Typically, sociologists have examined power in connection with the state; power has frequently been regarded as flowing from the state. We shall examine these debates, and move on to recent theorisations which have begun to detach power from the state. We shall take some case studies to make these distinctions clearer, including the construction of an Australian administrative elite, the notion of ‘police’ in seventeenth and eighteenth century Europe, and compulsory education as the sphere of the reproduction of social relationships.

**Courses:** SS07  
**Credit Points:** 12  
**Contact Hours:** 3 per week  

**SSB972 ETHNICITY, NATIONALISM & CULTURAL DIVERSITY IN THE CONTEMPORARY WORLD**

Ethnicity and nationalism appear to play the central role in shaping the contemporary condition in many different parts of the globe. After clarifying definitional problems, students will be given comprehensive overviews of different theories in the field of ethnicity and nationalism. The main emphasis will be placed on ‘instrumental’, ‘primordial’ and ‘modernist’ approaches and the sorts of explanations they offer for the powerfulness and persistence of the phenomenon. Finally, we shall look at how nationalism influences the construction of individual and collective identities by examining myths, ideology and symbols employed by nationalist discourses.

**Courses:** SS07  
**Credit Points:** 12  
**Contact Hours:** 3 per week  

**SSB973 SOCIAL THEORY & SOCIAL CHANGE IN CONTEMPORARY EUROPE**

This unit will address contemporary European social theory and the way it reflects upon societal change. The focus will be placed on three major changes that occurred since the 1960s: firstly, the emergence of new social movements; secondly, the end of the Cold War which brought about rapid change in Eastern Europe; and thirdly, the formation of the European Union. Historical and social theoretical perspectives will be used simultaneously. It will be shown how new social movements in Eastern Europe contributed to the collapse of imposed rationality and the existing order. The end of the Cold War and the subsequent ideological and political fragmentation of Eastern Europe have profoundly affected the European landscape. The ideology of the New World Order was quickly to hand to legitimize these contemporary European as well as global events. Theory developed both fatalistic as well as critical and modest accounts of this change.

**Courses:** SS07  
**Credit Points:** 12  
**Contact Hours:** 3 per week  

**SSB974 SOCIOLOGY OF SCIENTIFIC KNOWLEDGE**

In recent years, sociologists have come to see the value of studying the construction of scientific knowledge, overcoming a vague distaste for scientific activity and recognising the importance of understanding the major truth-providing discourse of our age. This unit will introduce students to the various methodological approaches used in the study of scientific knowledge, go through a variety of case studies which will demonstrate the ‘constructedness’ of such knowledge; and demonstrate the implications of such study for an understanding of our changing society.
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Courses: SS07 Credit Points: 12 Contact Hours: 3 per week

SSB975 HISTORY OF THE HUMAN SCIENCES
Since the nineteenth century, a variety of sciences have emerged which have taken the activities of ‘man’ as their object. Economics, biology and linguistics were radically reformed, and a variety of new sciences such as sociology, psychology and anthropology joined in the attempt to make the human body and soul ‘calculable’, as Nietzsche put it, to translate human life into a register of numbers, graphs, and dossiers. This unit will examine the conditions which allowed for the genesis of these human sciences; examine how these sciences transformed their putative object of study; and assess the interconnection between these new forms of knowledge and new ways of administering the conduct of life.
Credit Points: 12 Contact Hours: 3 per week

SSB980 CONTEMPORARY SOCIOLOGICAL THEORY
This unit will examine a range of social theory which has had an increasing impact on sociological work in the last decade or so. The unit will concentrate on the so-called ‘post-marxist’ tradition (e.g. Althusser, Poulantzas, Bourdieu), on poststructuralism and postmodernism (e.g. Lyotard, Baudrillard, Derrida, Foucault), on German critical theory (e.g. Habermas), and on theories of the breakdown of modernity and the birth of the risk society (e.g. Giddens, Beck). This social theory will be introduced with an emphasis on its practical uses for the empirical sociologist.
Courses: SS07 Prerequisites: SSB960 Credit Points: 12 Contact Hours: 3 per week

SSB981 QUALITATIVE RESEARCH METHODS
This unit is designed to introduce students to the logic/s, techniques and specific contributions of qualitative methods. Specifically, it aims to: develop an understanding of the contribution of qualitative methods to social scientific knowledge and its progress; explore issues relating to qualitative research design and strategies; examine a number of research methodologies (research traditions and theoretical rationales) commonly used in qualitative research; and apply the above insights to a range of specific research methods.
Courses: SS07 Prerequisites: SSB960 Credit Points: 12 Contact Hours: 3 per week

SSB989 HEALTH & THE LIFE CYCLE
An examination of changing patterns of individual wellness, illness, and mortality often coinciding with life cycle changes; or ‘rites of passage’: the social, cultural, anthropological and technological aspects of the pre-birth and post-death phases; analysis of the cyclical process; compared and contrasted with a psychological human developmental approach.
Courses: ED26, ED50 Credit Points: 12 Contact Hours: 3 per week

SSB990 THESIS
This unit is the first of two units whereby students select a research topic and design a related research program using appropriate quantitative/qualitative methods of analysis. Assessment of the thesis will be in accordance with University assessment procedures.
Courses: SS09 Credit Points: 48 Contact Hours: 3 per week

SSB991 ADVANCED RESEARCH METHODS
The unit provides a critical review of the scientific methods as used in psychological research, and other issues in experimental and non-experimental research design. In addition there will be continued exposure to advanced quantitative statistical analysis techniques, including multivariate analysis of variance, multiple regression, discriminant analysis, multidimensional scaling and factor analysis. Qualitative research issues and techniques will also be considered.
Courses: SS09 Prerequisites: SSB951 or equivalent Credit Points: 12 Contact Hours: 3 per week

SSB992 COUNSELLING PSYCHOLOGY
This unit builds on the major undergraduate specialisation in counselling and examines professional practice issues in counselling, such as supervision and ethical practice and critical integration of theory, research and practice. Assessment by literature review and demonstration of skills.
Courses: SS09 Prerequisites: SSB008 and either SSB946 or SSB949 Credit Points: 12 Contact Hours: 3 per week

SSB993 COGNITIVE NEUROPSYCHOLOGY
This unit helps develop an understanding of the nature and behavioural consequences of neuropathology with respect to the various stages of cognitive processing: perception and attention; learning and memory; language and concept formation; and higher-order intellectual and executive functions. The role of neuropsychological assessment in differential diagnosis is emphasised. Assessment involves evaluations of case study material, an essay and examination including multiple-choice and short-answer questions.
Courses: SS09 Prerequisites: SSB933 and SSB934 and SSB941 Credit Points: 12 Contact Hours: 3 per week

SSB994 ADVANCED SOCIAL & DEVELOPMENTAL PSYCHOLOGY
This unit addresses issues in developmental and social psychology in a multicultural context. Students are required to investigate in depth one of four broad areas: gender issues; temporal perspectives; the construction and impact of bias; and themes in adult development. The course proceeds through introductory lectures to student presentations on topics of interest chosen from the four broad areas above. Assessment is by the development of a research proposal, a literature review and presentation.
Courses: SS09 Prerequisites: SSB913, SSB915, SSB948 Credit Points: 12 Contact Hours: 3 per week

SSB995 ADVANCED ORGANISATIONAL PSYCHOLOGY
This unit builds on studies in SSB944 Industrial and Organisational Psychology or its equivalent at advanced undergraduate level. Special attention will be given to human interactions at work, including concepts and issues relating to selection and assessment, work design, team development, performance measures and management, management theory and practice, role of change agents, competency-based assessment and training, community and environmental factors, the effects of organisational structure and group dynamics, including conflict analysis and resolution.
Courses: SS09 Prerequisites: SSB915 and SSB944 Credit Points: 12 Contact Hours: 3 per week

SSB997 RESEARCH & PROFESSIONAL DEVELOPMENT SEMINAR
This unit will be conducted in association with SSB996. Presentation of research data, analysis and associated psychological research issue will be discussed. In addition, the unit will give attention to all aspects of the Code of Professional Conduct including the provision of psychological services, legal and ethical responsibility and interaction with other professional and personnel responsible for ongoing training. Assessment will be on a presentation of a written paper covering the above areas.
Courses: SS09 Prerequisites: SSB991 Credit Points: 12 Contact Hours: 3 per week

SSN000 COUNSELLING STUDIES 1
Provides a conceptual overview of the history of counselling and the most significant contemporary developments in the field: selected models of brief problem-oriented and solution-focused therapies, and their application across a variety of counselling contexts; the analysis of human problems in lifespan developmental and social contexts, and on the conceptual understanding of practical skills, and critical evaluation of the above therapeutic approaches.
Courses: SS12 Credit Points: 12 Contact Hours: 3 per week

SSN001 PROFESSIONAL STUDIES 1
The development of foundational interpersonal and relation-
ship-building skills which are viewed as relevant to the counselling process regardless of theoretical orientation. Interpersonal skills and insights are developed through an introduction to groupwork, together with micro-skills workshops involving interpersonal process recall. The development of ethical practices in counselling and an ongoing commitment to critical reflection on counselling (e.g. the ideology of counselling, the status of counselling knowledge, and issues relating to gender, ethnicity and class).

**Courses:** SS12
**Credit Points:** 12
**Contact Hours:** 3 per week

**SSN002 COUNSELLING STUDIES 2**
The historical development of psychoanalysis; psychodynamics in counselling practice; hypnosis and unconscious phenomena in counselling; scientific credibility of psychoanalytic psychotherapy; assessment of neurosis and psychosis in counselling.

**Courses:** SS12
**Prerequisites:** SSN000
**Credit Points:** 12
**Contact Hours:** 3 per week

**SSN003 GROUP STUDIES**
The development of skills and experience in organising and facilitating group work, in the context of personal support and therapeutic groups. Establishing group norms; facilitating stages of group development; responding to member behaviour and facilitator interventions; planning, implementing and evaluating ethical group work practices; dealing with defensiveness and hidden agendas; applying brief solutions-focused and other counselling theory to groups; examining the motion of the therapeutic milieu.

**Courses:** SS12
**Prerequisites:** SSN001
**Credit Points:** 12
**Contact Hours:** 3 per week

**SSN004 COUNSELLING STUDIES 3**
The theory and research relating to family/marital developmental transitions, contemporary changes to family life, and the field of relational or systemic therapies. A selective emphasis is made on models which build on the knowledge and skills developed in SSN001 and SSN002. Thus major emphases will include solution-oriented and psychodynamic approaches to relationship counselling.

**Courses:** SS12
**Prerequisites:** SSN002
**Credit Points:** 12
**Contact Hours:** 3 per week

**SSN005 RESEARCH METHODS & ISSUES**
Different approaches to, and perspectives on, research used across the disciplines of social science. Philosophical and ethical issues will be related to questions of methodology. The unit consists of formal teaching input from lecturers, together with a seminar component in which students will present preliminary proposals for their independent project for group discussion and feedback.

**Prerequisites:** SSN002 (for Counselling major only)
**Credit Points:** 12
**Contact Hours:** 3 per week

**SSN006 PROFESSIONAL STUDIES 2**
This unit continues the themes of integration and reflection introduced in SSN001. It has two related parts: (a) The experience of group supervision is used as a context for reflection, critical analysis and integration in relation to both specific counselling skills and broader issues of professional practice (e.g. professional ethics, case management, assessment and referral). (b) As well as meeting fortnightly for group supervision, students attend seminars on selected topics and issues relating to the theme of critical reflection on counselling practice. This will involve perspectives from outside traditional counselling discourse (e.g. sociology, history, political theory, gender studies) and will focus on their relevance and implications for counselling practice. The student’s experience of ongoing casework and the supervisory process will be used to focus critical reflection in these areas.

**Courses:** SS12
**Prerequisites:** SSN001
**Credit Points:** 12
**Contact Hours:** 3 per week

**SSN007 PROFESSIONAL STUDIES 3**
Continuation of SSN006. Additionally, however, there is an emphasis on students learning and demonstrating supervision skills. The other major aspect of the subject consists of a graduate seminar in which students will present work based on their research projects.

**Prerequisites:** SSN005
**Credit Points:** 12
**Contact Hours:** 3 per week

**SSN008 PROJECT**
Students undertake an individual project of theoretical and/or empirical research in a selected area of counselling. The project is supervised by a member of the teaching staff. The completed project is to be presented in the form of a dissertation of not more than 15,000 words.

**Courses:** SS12
**Prerequisites:** SSN006
**Credit Points:** 36

**SSN009 FAMILY THERAPY PRACTICE**
This unit builds upon and extends the family therapy concepts and skills provided in SSN004. Greater emphasis is placed on tailoring a family therapy role to the needs of the student’s individual work context. Where practicable, students will also have the opportunity to participate in the actual practice of family therapy sessions in the School’s Family Therapy and Counselling Clinic. Students will either conduct therapy sessions under supervision, or participate as members of consulting teams.

**Courses:** SS12
**Prerequisites:** SSN004
**Credit Points:** 12
**Contact Hours:** 3 per week

**SSN010 CAREER COUNSELLING**
Theoretical approaches to career guidance; resources and information for career guidance; the development and implementation of career education programs; and specific counselling skills related to career guidance. Major areas of study will include developmental theory, contemporary changes to the world of work (e.g. industrial relations, workplace changes) and computer applications (e.g. the Job and Course Explorer Program). Provision is made for students to carry out independent research in the field.

**Courses:** SS12
**Prerequisites:** SSN000
**Credit Points:** 12
**Contact Hours:** 3 per week

**SSN011 INDEPENDENT STUDY**
Students may elect to undertake an individual reading or research study in an area of counselling which is of personal or professional interest, and which is not covered in other parts of the course. The project must be approved by the Course Coordinator, and will be supervised by a member of staff, with whom the student will negotiate the precise topic and mode of assessment.

**Courses:** SS12
**Prerequisites:** SSN000
**Credit Points:** 12

**SSN012 COUNSELLING & ORGANISATIONS**
Examination of helping organisations as bureaucracies; organisational responses to social change; stress within helping organisations; issues of teamwork among professional helpers; and the negotiation of effective counselling roles within organisations.

**Courses:** SS12
**Prerequisites:** SSN000
**Credit Points:** 12
**Contact Hours:** 3 per week

**SSN013 ADVANCED COUNSELLING STUDIES**
This unit provides for advanced studies in a chosen area of counselling theory and practice. It is designed to either provide a greater depth of study in one of the major theoretical covered in the course (e.g. brief therapy, psychodynamic therapy, group work) or to allow specialised studies in orientations which are not heavily emphasised in the course. Such areas could include experiential therapies (e.g. Gestalt, Process-Oriented Psychotherapy, Psychodrama), Art Therapy, Couples Therapy, etc. The particular focus of this elective in any year would depend upon student interest plus the availability of suitable staff and resources.

**Courses:** SS12
**Prerequisites:** SSN004
**Credit Points:** 12
**Contact Hours:** 3 per week