Faculty of Information Technology

Entry Programs (International)
QC01 Foundation Program (1 Semester)
QC02 Foundation Program (2 Semesters)
QC03 Bridging Program
QC04 Extended Foundation Program (3 Semesters)
QC10 English for Academic Purposes for degree programs
QC20 General English
QC21 General English Extension
QC22 English for Tertiary Preparation

Diploma
IT10 University Diploma in Information Technology

Bachelor Degree
IT04 Bachelor of Games and Interactive Entertainment
IT06 Bachelor of Corporate Systems Management
IT21 Bachelor of Information Technology (FOR CONTINUING STUDENTS ONLY)
IT22 Bachelor of Information Technology
IT22 Bachelor of Information Technology & Bachelor of Information Technology (Honours) - Dean's Scholars Accelerated Honours Program
IX25 Bachelor of Engineering (Software Engineering)

Bachelor Degree (Double)
IF29 Bachelor of Applied Science/Bachelor of Information Technology (FOR CONTINUING STUDENTS ONLY)
IF38 Bachelor of Information Technology/Bachelor of Laws
IF58 Bachelor of Mathematics/Bachelor of Information Technology (FOR CONTINUING STUDENTS ONLY)
IF59 Bachelor of Engineering (Electrical)/Bachelor of Information Technology
IF90 Bachelor of Creative Industries (Communication Design)/Bachelor of Information Technology
IX26 Bachelor of Applied Science / Bachelor of Information Technology
IX27 Bachelor of Creative Industries / Bachelor of Information Technology
IX29 Bachelor of Information Technology / Bachelor of Mathematics
IX33 Bachelor of Business/Bachelor of Information Technology
IX49 Bachelor of Arts/Bachelor of Information Technology

Honours
IT22 Bachelor of Information Technology & Bachelor of Information Technology (Honours) - Dean's Scholars Accelerated Honours Program
IT28 Bachelor of Information Technology (Honours)
IT29 Bachelor of Information Technology (Honours) - Accelerated Program

Graduate Certificate
IT73 Graduate Certificate in Information Management (Library Studies)
IT74 Graduate Certificate in Information Management (Information and Knowledge Management)
IT75 Graduate Certificate in Information Management (Records Management)
IT76 Graduate Certificate in Information Management (Web Management)
IT89 Graduate Certificate in Information Technology (Wireless Games Technology)
IT90 Graduate Certificate in Information Technology (Computer Networks)
IT92 Graduate Certificate in Information Technology (Information Security)
IT93 Graduate Certificate in Information Technology (Enterprise Wide Software)
IT94 Graduate Certificate in Information Technology (Electronic Commerce)
IT95 Graduate Certificate in Information Technology (Project)
IT96 Graduate Certificate in Information Technology (Information Technology Management)
IT98 Graduate Certificate in Information Technology (Multimedia)
IT99 Graduate Certificate in Information Technology (Component Software and Web Services)
IX97 Graduate Certificate In Research Commercialisation

Graduate Diploma
IT35 Graduate Diploma in Information Technology (IT Graduates)
IT38 Graduate Diploma in Information Technology (Non-IT Graduates)

Masters Degree (Coursework)
IT40 Master of Information Technology (IT Graduates)
IT45 Master of Information Technology (Non-IT Graduates)
IT48 Master of Information Technology (Advanced)
IT70 Master of Information Management

Masters Degree (Research)
IT60 Master of Information Technology (Research)

Doctoral
IF49 Doctor of Philosophy (Information Technology)

Study Abroad (Non-degree)
NA05 International Visiting Students
NA06 International Visiting Students
UO80 University Study Abroad Certificate
UO90 University Study Abroad Diploma

University wide unit sets
Unit sets: Accounting and Economics
Unit sets: Advertising, Marketing and Public Relations
Unit sets: Communication
Unit sets: Creative Industries
Unit sets: Health and Psychology
Unit sets: Indigenous Studies
Unit sets: Information Technology
Unit sets: International Studies
Unit sets: Languages
Unit sets: Management
Unit sets: Multimedia and Technologies
Unit sets: Physical and Chemical Sciences
Unit sets: Science
Unit sets: Society and Culture
OVERVIEW

QUT’s Faculty of Information Technology is one of the leading providers of information technology courses in Australia. The Faculty is also well known internationally for research excellence in six key areas:

- Business Process Management
- Complex and Smart Systems
- eResearch
- Information Research
- IT Professional Services
- Security and Trust.

The Faculty is located at QUT’s inner-city Gardens Point campus and also offers courses at the University’s north campus in Brisbane—Carseldine.

The Faculty comprises two schools:

- School of Information Systems
- School of Software Engineering and Data Communications.

QUT benefits from close linkages with industry in our education and research activities. Industry representatives actively contribute to the development and continual refinement of our course offerings, collaborate on multiple research projects with the University, and utilise our expertise through consulting engagements. The Faculty of Information Technology coordinates a very successful student internship program—the Cooperative Education Program—with its industry and government partners. This program offers high achieving IT students the option of completing 10-12 months paid professional experience in the workforce.

The Faculty has almost 3000 students, with a third being international students from some 54 countries. Our courses are geared to develop graduates who can face today’s challenges and also tackle an unimagined future with confidence and innovation.

Students are attracted to QUT’s focus on real-world experience which involves practical teaching in addition to leadership in applied research that directly benefits industry and the professions. Our lecturers are real-world professionals with years of relevant experience in a variety of industry sectors.

The Faculty draws on the talents of academic staff from diverse backgrounds allowing a dynamic exchange of culture, knowledge and expertise.

SENIOR STAFF

Faculty Office

Executive Dean: Professor S.M. Kaplan, BSc PhD Cape Town, FACS, HonFIEAust, MACM, MIEEE

Assistant Dean (Research): K Raymond, BSc BSc(Hons) PhD Qld PGradDipPFPP USQ

Assistant Dean (Teaching and Learning): Dr S Edwards, DipLib RMIT, GCed(HE), MIT (Res), PhD, QUT, AALIA, MACS

Assistant Dean (External Relations): M.G. Roggenkamp, BEd James Cook, DipCompSc MScSt Qld, MACS, MACM, AIEEE

Assistant Dean (Strategy and Innovation): Professor W. Caelli, BSc(Hons) Newcastle(NSW), PhD ANU, FACS, FTICA, MIEEE

Director, Business Development and International: E. Armstrong, BCom Griff, MCom(InSys) Qld

Director, Postgraduate Studies: H.H. Bentley, CertED Exe, BSc(Hons) Manc, MSc Qld, MACS, MACM

Director, Undergraduate Studies: R. Christie, Dip Teach NCAE, BA(Maths) DipCompSc UNE, MAAppSc QUT

Administration Manager: P. Smith, BBus(Com) GradCertEd(HigherEd) QUT

School of Information Systems

Head: Dr A.B. Tickle, BSc DipCompSc MSc Qld, Grad-DipMgt QUT, PhD QUT

Deputy Head: Dr J. Reye, BSc(Hons) Qld, PhD Griff

Professors:

P. Bruza, BSc Qld, MSc KUN, PhD KUN
G.G. Gable, DipCompSys NAIT, BCom Alta, MBA W Ontario, PhD Brad, ACS, AIR, IRMA
B. Pham, BSc(Hons) PhD Tas, DipEd Monash, ACM, IEEE, ACSA, APRS
M. Rosemann, MBA PhD Univ of Münster Germany
A. Spink, BA ANU, DipLib UNSW, MBA Fordham Univ NY, PhD Rutgers Univ New Jersey

Associate Professors:

C. Bruce, BA Qld, GradDipLibSc MEd(Res) QUT, PhD UNE
G. Stewart, BA DipEd MLItSt (CompSci) Qld, PhD QUT, FACS, PCP, AIIM, MIEEE, MACM
A. ter Hofstede, MSc PhD KUN

School of Software Engineering and Data Communications

Head: Professor M. Looi, BEng(Hons) BAppSc PhD QUT, MIEEE, MACS, CDec

Deputy Head: Dr W Kelly, BSc (Hons) Qld, MSc PhD UMD

Professors:

C. Boyd, BSc, PhD Warwick, CMath
E. Dawson, BSc DipEd Wash, MA Syd, MLitStu MSc Qld, PhD QUT, FTICA, MIEEE, MCMSA, MIACR, MACS
C. Fidge, BAppSc RMIT, MAAppSc RMI, PhD ANU
K. Raymond, BSc BSc(Hons) PhD Qld

Adjunct Professors:

D. Longley, BSc(Physics)(Hons) Manc, MSc(Tech)
UMIST, PhD Leic, CEng, FIEE, FAIM
G. Mohay, BSc(Hons) W Aust, PhD Monash

Associate Professors:

A. Josang, BSc Telematics NTH, MSc Security Univ of London, PhD NTNU
P. Roe, MEng(Hons) York, PhD Glas, MACM
J. Sitte, PhD Uppsala, SIEEE

RESEARCH CENTRE

Information Security Institute (ISI)

QUT’s Information Security Institute (ISI) is a multi-disciplinary institute that builds real solutions for government, business and the community by undertaking research in technology, legal, policy and governance issues related to information security.
ISI has been formed as a collaborative research undertaking of the Faculty of Built Environment and Engineering (BEE), the Faculty of Business (BUS), the Faculty of Information Technology (IT), and the Faculty of Law (LAW). The ISI is a dynamic research facility that integrates the research of the four founding faculties to answer information security, information protection and technology policy challenges that confront business, government and the community as a whole. The creation of the ISI consolidates the already acknowledged expertise that QUT has developed in all aspects of information security over the last 15 years, through the Information Security Research Centre (ISRC).

This multi-disciplinary approach provides QUT with an opportunity to play a leading role in research in the area of Safeguarding Australia which has been identified by the Australian Research Council as one of the key areas of applied research for Australia.

Research Director: Professor E. Dawson, BSc DipEd Wash, MA Syd, MLitStu MSc Qld, PhD QUT, FTICA, MIEEE, MCMSA, MIACR
Phone: +61 7 3138 9551
Email: e.dawson@qut.edu.au

General Manager, Director Business Development: Mr Eric Hall
Phone: +61 7 3138 9547
Email: eric.hall@qut.edu.au

Deputy Directors:
Professor Colin Boyd, Faculty of Information Technology
Associate Professor Peter Best, Faculty of Business
Professor Sharon Christensen, Faculty of Law
Professor Sridha Sridharan, Faculty of Built Environment & Engineering
Bachelor of Applied Science/Bachelor of Information Technology (FOR CONTINUING STUDENTS ONLY) (IF29)

Year offered: 2007
Admissions: No
CRICOS code: 020327M
Course duration (full-time): 4 Years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: $210 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $20,160
International Fees (per semester): 2007: $9,000 per semester (subject to annual review)
Domestic Entry: February
International Entry: February
QTAC code: 419302; Dfee: 419306
Past rank cut-off: 72. Dfee places were not offered last year.
Past OP cut-off: 13. Dfee places were not offered last year.
OP Guarantee: Yes
Assumed knowledge: English (4, SA) and Maths B (4, SA)
Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging.
ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com
Total credit points: 408 (Note: The minimum course load per semester required for full-time enrolment may be more than 36 credit points)
Standard credit points per full-time semester: 48
Course coordinator: Dr Megan Hargreaves (Science); Ruth Christie(InTech)
Campus: Gardens Point

Career Opportunities
The course prepares you for an increasing range of careers that involve the application of information technology to science. As a graduate of the double degree, you are also qualified for employment in the areas of software engineering and data communications.

The Bachelor of Applied Science allows multi-disciplinary programs of study to help position you within the broad range of science disciplines and qualify you as a competent professional within your chosen field.

Recommended study
At least one of the sciences. For the majors in biochemistry, biotechnology, forensic science and microbiology - Biological Science and Chemistry are recommended; for the major in physics - Maths C is recommended.

Course Design
The science component of the course offers you a choice of one of the major areas of study available in the Bachelor of Applied Science (SC01) course. To allow you to complete the double degree in a shorter period of time, your co-major will be taken from the information technology program therefore it is not possible to choose any of the co-majors listed under the Bachelor of Applied Science course.

The information technology component gives you the opportunity to undertake a combined major in Data Communications and Software Engineering. Theoretical aspects are balanced by strong practical components in both of the Science and Information Technology degrees.

Professional Recognition
Graduates will satisfy the requirements for membership in the relevant professional body for their chosen science major. See the Bachelor of Applied Science (SC01) course for details. Graduates are also eligible for membership of the Australian Computer Society (ACS).

Cooperative Education Program
An optional one-year period of paid work experience in an area of information technology is available to eligible full-time students. The Cooperative Education Program is a joint venture between employers and educators to better prepare students for employment upon graduation. Companies that QUT's Cooperative Education students have worked with include Energex, Boeing, CITEC, Global Banking and Securities Transaction, various Queensland Government departments, Dialog, TABQ, RACQ and Sun Microsystems.

For more information visit www.fit.qut.edu.au/courses/undergrad/coop/

Contact Details
Science Coordinator
Dr Megan Hargreaves
Phone: +61 7 3138 2244
Email: m.hargreaves@qut.edu.au

Information Technology Coordinator
Dr Alan Tickle
Phone: +61 7 3138 2782
Email: fit.enquiry@qut.edu.au

Deferment
QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Find out more on deferment.

Course structure - Major in Biochemistry

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
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<tbody>
<tr>
<td>ITB001</td>
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<td>ITB004</td>
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<td>PCB101</td>
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<td>ITB002</td>
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<td>ITB003</td>
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<tr>
<td>ITB005 Systems Architecture</td>
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<tr>
<td>LSB238 Cell and Molecular Biology 1</td>
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<tr>
<td>NRB270 Animal and Plant Structure and Function</td>
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<th>Year 2, Semester 1</th>
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<tbody>
<tr>
<td>ITB006 Networks</td>
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<tr>
<td>ITB008 Modelling Analysis and Design</td>
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<tr>
<td>ITB711 Programming Abstraction</td>
</tr>
<tr>
<td>MAB101 Statistical Data Analysis 1</td>
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<tr>
<td>Either</td>
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<tr>
<td>PCB140 Introductory Chemistry</td>
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<tr>
<td>Or</td>
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<tr>
<td>PCB142 Chemistry 1</td>
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<tr>
<th>Year 2, Semester 2</th>
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<tbody>
<tr>
<td>LSB258 Principles of Human Physiology</td>
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<td>PCB242 Chemistry 2</td>
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<tr>
<td>ITB712 Software Engineering Studies</td>
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<td>ITB744 Computer Architecture</td>
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<tbody>
<tr>
<td>LSB308 Biochemistry</td>
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<tbody>
<tr>
<td>LSB408 Metabolism</td>
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<td>LSB468 Molecular Biology</td>
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<td>ITB720 Internet Protocols and Services</td>
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<tr>
<td>LSB508 Advanced Metabolism</td>
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<tr>
<td>LSB527 Biomedical Research Technologies</td>
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<td>LSB607 Protein Purification</td>
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<td>LSB608 Protein Science</td>
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**Course Structure - Major in Biotechnology (Medical Strand)**

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<tr>
<th>Year 1, Semester 1</th>
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<tbody>
<tr>
<td>ITB001 Problem Solving and Programming</td>
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<th>Year 1, Semester 2</th>
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<tbody>
<tr>
<td>ITB004 Database Systems</td>
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<td>LSB118 Life Science</td>
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<td>PCB101 Physical Science</td>
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<tbody>
<tr>
<td>ITB002 IT Professional Studies</td>
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<tr>
<td>ITB003 Object Oriented Programming</td>
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<td>ITB006 Networks</td>
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<tr>
<td>LSB308 Biochemistry</td>
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<td>LSB338 Cell and Molecular Biology 2</td>
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<td>ITB745 Operating Systems</td>
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<tr>
<td>LSB468 Molecular Biology</td>
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<td>LSB469 Introduction to Genomics and Bioinformatics</td>
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<td>LSB537 Genetic Engineering</td>
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<td>LSB509 Medical Biotechnology 1</td>
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<tr>
<td>LSB609 Medical Biotechnology 2</td>
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<td>LSB619 Genomics and Bioinformatics</td>
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### Course structure - Major in Chemistry

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<td>ITB004</td>
<td>Database Systems</td>
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<td>MAB100</td>
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<tr>
<td>PCB101</td>
<td>Physical Science</td>
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<td>ITB005</td>
<td>Systems Architecture</td>
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<tr>
<td>LSB118</td>
<td>Life Science</td>
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<td>MAB101</td>
<td>Statistical Data Analysis 1</td>
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<tr>
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<td>ITB006</td>
<td>Networks</td>
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<td>ITB008</td>
<td>Modelling Analysis and Design</td>
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<td>PCB150</td>
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<tbody>
<tr>
<td>PCB334</td>
<td>Inorganic Chemistry</td>
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<td>PCB354</td>
<td>Structure and Mechanism in Organic Chemistry</td>
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<tr>
<td>ITB745</td>
<td>Operating Systems</td>
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<td>PCB405</td>
<td>Principles of Physical Chemistry</td>
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<td>PCB444</td>
<td>Spectroscopy</td>
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<td>ITB720</td>
<td>Internet Protocols and Services</td>
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<td>ITB009</td>
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### Course Structure - Major in Ecology

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<tr>
<td>MAB101</td>
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<tr>
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**IT Elective Unit selected from list**

**IT Elective Unit selected from list**
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<td>PCB414 Industrial and Environmental Analytical Chemistry</td>
<td>ITB711 Programming Abstraction</td>
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<td>SCB222 Exploration of the Universe</td>
<td>PCB242 Chemistry 2</td>
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<td>ITB712 Software Engineering Studies</td>
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<td>ITB712 Software Engineering Studies</td>
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<td><strong>Year 2, Semester 2</strong></td>
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<td>ITB744 Computer Architecture</td>
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</table>
### Course structure - Major in Geoscience

| Year 1, Semester 1 | | Year 2, Semester 2 | | Year 3, Semester 1 | | Year 3, Semester 2 | | Year 4, Semester 1 | | Year 4, Semester 2 |
|-------------------|--------------------------|------------------------|----------------------|------------------------|----------------------|----------------------|----------------------|----------------------|
| ITB001 Problem Solving and Programming | | ITB002 IT Professional Studies | | NRB240 History of Life on Earth | | NRB434 Structural Geology | | ITB009 Core Project Initiation | | NRB534 Geophysics |
| ITB004 Database Systems | | ITB003 Object Oriented Programming | | NRB440 Environmental Chemistry | | NRB436 Introduction to Igneous and Metamorphic Petrology | | NRB536 Petrology and Geochemistry | | NRB536 Petrology and Geochemistry |
| MAB100 Mathematical Sciences 1A | | ITB005 Systems Architecture | | ITB009 Operating Systems | | NRB601 Field Mapping and Monitoring of Natural Resources | | ITB745 Operating Systems | | NRB633 Hydrogeology |
| NRB230 Planet Earth | | MAB101 Statistical Data Analysis 1 | | IT Elective Unit selected from List | | NRB635 Plate Tectonics and Advanced Structural Geology | | IT Elective Unit selected from List | | IT Elective Unit selected from List |

| Year 1, Semester 2 | | Year 3, Semester 1 | | Year 3, Semester 2 | | Year 4, Semester 1 | | Year 4, Semester 2 |
|-------------------|--------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| ITB002 IT Professional Studies | | NRB240 History of Life on Earth | | NRB434 Structural Geology | | NRB534 Geophysics | | ITB009 Core Project Initiation | | NRB633 Hydrogeology |
| ITB003 Object Oriented Programming | | NRB440 Environmental Chemistry | | NRB436 Introduction to Igneous and Metamorphic Petrology | | NRB536 Petrology and Geochemistry | | ITB002 IT Professional Studies | | NRB635 Plate Tectonics and Advanced Structural Geology |
| ITB005 Systems Architecture | | ITB009 Operating Systems | | ITB745 Operating Systems | | IT Elective Unit selected from List | | ITB002 IT Professional Studies | | IT Elective Unit selected from List |
| MAB101 Statistical Data Analysis 1 | | IT Elective Unit selected from List | | IT Elective Unit selected from List | | NRB536 Petrology and Geochemistry | | ITB003 Object Oriented Programming | | NRB635 Plate Tectonics and Advanced Structural Geology |
| PCB101 Physical Science | | NRB601 Field Mapping and Monitoring of Natural Resources | | ITB745 Operating Systems | | OR | | ITB005 Systems Architecture | | NRB635 Plate Tectonics and Advanced Structural Geology |

### Course structure - Major in Microbiology

| Year 1, Semester 1 | | Year 2, Semester 1 | | Year 1, Semester 2 | | Year 2, Semester 1 |
|-------------------|--------------------------|------------------------|----------------------|----------------------|----------------------|
| ITB001 Problem Solving and Programming | | NRB100 Environmental Science | | ITB002 IT Professional Studies | | ITB001 Problem Solving and Programming |
| ITB004 Database Systems | | Either | | ITB002 IT Professional Studies | | ITB004 Database Systems |
| LSB118 Life Science | | Or | | ITB003 Object Oriented Programming | | LSB118 Life Science |
| PCB101 Physical Science | | PCB140 Introductory Chemistry | | ITB005 Systems Architecture | | PCB101 Physical Science |
| NRB238 Cell and Molecular Biology 1 | | Or | | NRB238 Cell and Molecular Biology 1 | | NRB238 Cell and Molecular Biology 1 |
| ITB140 Introductory Chemistry | | PCB142 Chemistry 1 | | NRB270 Animal and Plant Structure and Function | | NRB270 Animal and Plant Structure and Function |
| ITB006 Networks | | ITB008 Modelling Analysis and Design | | OR | | OR |
| ITB011 Programming Abstraction | | OR | | OR | | OR |

### Course structure - Major in Geoscience

| Year 1, Semester 2 | | Year 3, Semester 1 | | Year 3, Semester 2 | | Year 4, Semester 1 | | Year 4, Semester 2 |
|-------------------|--------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| ITB002 IT Professional Studies | | NRB240 History of Life on Earth | | NRB434 Structural Geology | | NRB534 Geophysics | | ITB009 Core Project Initiation | | NRB633 Hydrogeology |
| ITB003 Object Oriented Programming | | NRB440 Environmental Chemistry | | NRB436 Introduction to Igneous and Metamorphic Petrology | | NRB536 Petrology and Geochemistry | | ITB002 IT Professional Studies | | NRB635 Plate Tectonics and Advanced Structural Geology |
| ITB005 Systems Architecture | | ITB009 Operating Systems | | ITB745 Operating Systems | | IT Elective Unit selected from List | | ITB002 IT Professional Studies | | OR |
| MAB101 Statistical Data Analysis 1 | | OR | | IT Elective Unit selected from List | | OR | | OR | | OR |
Year 2, Semester 1
MAB101 Statistical Data Analysis 1
Either
PCB140 Introductory Chemistry
Or
PCB142 Chemistry 1
ITB006 Networks
ITB008 Modelling Analysis and Design
ITB711 Programming Abstraction

Year 2, Semester 2
LSB258 Principles of Human Physiology
PCB242 Chemistry 2
ITB712 Software Engineering Studies
ITB744 Computer Architecture
OR
IT Elective Unit selected from List

Year 3, Semester 1
LSB308 Biochemistry
LSB328 Microbiology 1
ITB745 Operating Systems
IT Elective Unit selected from List

Year 3, Semester 2
ITB720 Internet Protocols and Services
IT Elective Unit selected from List
LSB428 Microbiology 2
LSB468 Molecular Biology

Year 4, Semester 1
ITB009 Core Project Initiation
IT Elective Unit selected from List
Two units from:
LSB528 Environmental Microbiology
LSB547 Bacterial Pathogenesis and Disease Diagnosis
LSB568 Electron Microscopy
LSB578 Virology

Year 4, Semester 2
IT Elective Unit selected from List
IT Elective Unit selected from List
Two units from:
LSB628 Food Microbiology
LSB647 Clinical Mycology and Parasitology
LSB648 Molecular Microbiology

Course structure - Major in Physics

Year 1, Semester 1
ITB001 Problem Solving and Programming

ITB004 Database Systems
MAB111 Mathematical Sciences 1B
PCB101 Physical Science

Year 1, Semester 2
ITB002 IT Professional Studies
ITB003 Object Oriented Programming
ITB005 Systems Architecture
MAB112 Mathematical Sciences 1C

Year 2, Semester 1
MAB311 Advanced Calculus
PCB107 Physics and Quantitative Techniques
ITB006 Networks
ITB008 Modelling Analysis and Design
ITB711 Programming Abstraction

Year 2, Semester 2
MAB101 Statistical Data Analysis 1
PCB250 Physics 1
PCB260 Physics 1A
ITB712 Software Engineering Studies
ITB744 Computer Architecture
OR
IT Elective Unit selected from List

Year 3, Semester 1
PCB361 AC Theory and Electronics
PCB362 Physics 2
ITB745 Operating Systems
IT Elective Unit selected from List

Year 3, Semester 2
ITB720 Internet Protocols and Services
IT Elective Unit selected from List
PCB460 Instrumentation and Computational Methods
PCB462 Thermodynamics and Solid State Physics

Year 4, Semester 1
PCB561 Quantum and Condensed Matter Physics
PCB562 Physical Methods of Analysis
ITB009 Core Project Initiation
IT Elective Unit selected from list

Year 4, Semester 2
PCB661 Experimental Physics
PCB665 Physics 3
IT Elective Unit selected from List
IT Elective Unit selected from List

IT Elective Unit List
Information Technology Elective Unit List

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<th>Unit Title</th>
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<td>Web Development</td>
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<tr>
<td>ITB009</td>
<td>Core Project Initiation</td>
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<td>ITB010</td>
<td>Core Project Implementation</td>
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<tr>
<td>ITB218</td>
<td>Applications Programming</td>
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<tr>
<td>ITB222</td>
<td>Systems Analysis and Design</td>
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<td>ITB223</td>
<td>Software Development with ORACLE</td>
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<td>ITB228</td>
<td>Enterprise Systems</td>
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<td>ITB229</td>
<td>Database Design</td>
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<td>Project</td>
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<td>Enterprise Systems Applications</td>
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<td>Games Production</td>
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<td>ITS702</td>
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<td>ITS703</td>
<td>Ccnp 1: Advanced Routing</td>
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<tr>
<td>ITS704</td>
<td>Ccnp 2: Remote Access Networks</td>
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<tr>
<td>ITS705</td>
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<td>ITS706</td>
<td>Ccnp 4: Network Troubleshooting</td>
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<td>MAB281</td>
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Please check with the relevant School for further information on Special Topics.

Potential Careers:
Bachelor of Information Technology/Bachelor of Laws (IF38)

Year offered: 2007
Admissions: Yes
CRICOS code: 006385G
Course duration (full-time): 5 Years

Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: $160 per credit point (subject to annual review)
Domestic fees (indicative): 2007: Full fee tuition $15,360; CSP $7,157
International Fees (per semester): 2007: $9,000 per semester (subject to annual review)

Domestic Entry: February
International Entry: February
QTAC code: 419622; Dfee: 419626
Past rank cut-off: 90; Dfee: 85
Past OP cut-off: 6; Dfee: 8

Assumed knowledge: English (4, SA), and for games technology and security majors, Maths B (4, SA), or for all other majors, Maths A, B or C (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Total credit points: 528
Course coordinator: IT: Ruth Christie; Law, Director, Undergraduate Programs
Campus: Gardens Point

OP Guarantee
The OP Guarantee does not apply to this program.

Overview
An objective of this double degree is to provide graduates with the ability to practise law in light of the complex environments generated by manufacturers, data processing consultancies and private and government organisations. Alternatively, graduates can choose to practise as computing professionals specialising in legal applications or information systems.

Cooperative Education Program
An optional one-year period of paid work experience in an area of information technology is available to eligible full-time students. The Cooperative Education Program is a joint venture between employers and educators to better prepare students for employment upon graduation. Companies that QUT’s Cooperative Education students have worked with include Energex, Boeing, CITEC, Global Banking and Securities Transaction, various Queensland Government departments, Dialog, TABQ, RACQ and Sun Microsystems.

For more information visit the Faculty's Cooperative Education program home page at www.fit.qut.edu.au/courses/undergrad/coop/

Career Outcomes

Graduates of the Bachelor of Information Technology component may find employment as: Programmer Systems Programmer Systems Manager Systems Designer Systems Analyst Computer Sales and Marketing Consultant Data Processing Manager

Professional Recognition
The Bachelor of Information Technology component meets the knowledge requirements for membership of the Australian Computer Society. The Bachelor of Laws component covers the areas of law required for the purposes of admission to practise as a Solicitor and/or Barrister in all Australian states and territories.

Further Information
Faculty of Information Technology: phone +61 7 3864 2782, fax +61 7 3864 2703, email fit.enquiry@qut.edu.au

Deferment
QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

For more information visit: www.fit.qut.edu.au/undergrad/coop/about/deferment.html
LWB144  Laws and Global Perspectives

Year 3, Semester 1
ITB009  Core Project Initiation
LWB136  Contracts A
LWB138  Fundamentals of Torts
LWB238  Fundamentals of Criminal Law

Year 3, Semester 2
ITB232  Database Management
LWB137  Contracts B
LWB139  Select Issues in Torts
LWB239  Criminal Responsibility

Year 4, Semester 1
LWB231  Introduction to Public Law
LWB236  Real Property A
LWB240  Principles of Equity
LWB333  Theories of Law

Year 4, Semester 2
LWB235  Australian Federal Constitutional Law
LWB237  Real Property B
LWB241  Trusts
LWB334  Corporate Law

Year 5, Semester 1
LWB332  Commercial and Personal Property Law
LWB431  Civil Procedure
LWB432  Evidence
LWB434  Advanced Research and Legal Reasoning

Year 5, Semester 2
LWB331  Administrative Law
LWB433  Professional Responsibility

IT Elective Unit List

IT Elective Unit List

ITB007  Web Development
ITB009  Core Project Initiation
ITB010  Core Project Implementation
ITB218  Applications Programming
ITB222  Systems Analysis and Design
ITB223  Software Development with ORACLE
ITB228  Enterprise Systems
ITB229  Database Design
ITB230  Project
ITB232  Database Management
ITB233  Enterprise Systems Applications
ITB237  Advanced Databases
ITB239  Enterprise Data Mining
ITB241  Information Technology Management
ITB254  Interaction Design
ITB245  R/3 System Administration
ITB257  Multimedia Systems
ITB259  Advanced Multimedia Systems
ITB260  E-Commerce Site Development
ITB264  Information Systems Consulting
ITB266  Information Management
ITB267  Business Analytics
ITB272  Information Technology Project Management
ITB294  Information Quality
ITB295  XML: Data and Document Processing
ITB298  Business Process Engineering
ITB322  Information Resources
ITB710  Fundamentals of Computer Science
ITB711  Programming Abstraction
ITB712  Software Engineering Studies
ITB713  Advanced Java Programming
ITB715  Web Services
ITB716  Advanced Web Applications Development
ITB717  Enterprise Software Architecture
ITB720  Internet Protocols and Services
ITB721  Unix Network Administration
ITB722  Network Planning and Deployment
ITB723  Wireless and Mobile Devices
ITB730  Information Security Fundamentals
ITB731  Security Technologies
ITB732  Cryptology and Protocols
ITB733  Network Security
ITB740  Agent Based Software Engineering
ITB741  Information Retrieval Technology
ITB742  Computational Intelligence
ITB743  Artificial Intelligence
ITB744  Computer Architecture
ITB745  Operating Systems
ITB746  Modelling and Animation Techniques
ITB747  Real Time Rendering Techniques
ITB748  Configurable Computing
ITB749  Scientific Programming
ITB750  Computer Game Studies
ITB751  Games Production
ITS702  Ccna 3 & 4: Switching and Wide Area Networking
ITS703  Ccnp 1: Advanced Routing
ITS704  Ccnp 2: Remote Access Networks
ITS705  Ccnp 3: Multilayer Switching
ITS706  Ccnp 4: Network Troubleshooting
ITS707-1 Securing Cisco Hardware
ITS707-2 Securing Cisco Hardware
MAB281 Mathematics for Computer Graphics

Please check with the relevant School for further information on Special Topics.

Potential Careers:
Doctor of Philosophy (Information Technology) (IF49)

Year offered: 2007
Admissions: Yes
CRICOS code: 006378F
Course duration (full-time): 3 years
Course duration (part-time): 6 years
Domestic fees (per credit point): RTS/RTA; 2007 $130 per credit point (exceeded max. entitlement) (subject to annual review)
Domestic fees (indicative): 2007: $12,480 (exceeded max. entitlements)
International Fees (per semester): 2007: $10,000 per semester (subject to annual review)
International Entry: At any time
Campus: Gardens Point

Overview
The Doctor of Philosophy degree is awarded in recognition of a candidate'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.

Topics could include multidisciplinary problems suggested by external bodies, for example, industry, government and commerce, with joint supervisors from both academic and outside environments.

The candidate's doctoral work can be undertaken either on-campus or at an off-campus location approved by QUT.

It is a requirement that the candidate's PhD be linked with one of the Faculty's Research Centres.

Entry requirements
A relevant first class or second class division A honours degree or equivalent from QUT or another recognised institution.

Research Area
Areas of research interest and contact details can be obtained from the Faculty website

Course Structure
The length of the program is generally expected to be three years if candidates enrol as a full-time student (including one year of provisional registration) and six years for part-time (including 24 months of provisional registration).

Assessment for the doctoral award is based on a program of supervised research and investigation, culminating in the thesis. Programs may include some coursework in support of the conduct of research and preparation of the thesis. Candidates are required to have regular, face-to-face interaction with supervisors and to participate in University scholarly activities such as research seminars, teaching and publication.

Further information
Visit the Faculty's web site at www.fit.qut.edu.au, email fit.enquiry@qut.edu.au, or phone +61 73864 2782

Potential Careers:
Computer Games Developer, Computer Systems Engineer, Data Communications Speciallist, Database Manager, Electronic Commerce Developer, Librarian, Network Administrator, Network Manager, Programmer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer.
Bachelor of Mathematics/Bachelor of Information Technology (FOR CONTINUING STUDENTS ONLY) (IF58)

Year offered: 2007
Admissions: No
CRICOS code: 020327M
Course duration (full-time): 4 Years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: $210 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $20,160
International Fees (per semester): 2007: $9,000 per semester (subject to annual review)
Domestic Entry: February
International Entry: February
QTAC code: 419552; Dfee: 419556
Past rank cut-off: 75. Dfee places were not offered last year.
Past OP cut-off: 25. Dfee places were not offered last year.
OP Guarantee: Yes
Assumed knowledge: English (4, SA) and Maths B (4, SA)
Preparatory studies: MATHS: QUT unit Preparatory Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com
Total credit points: 420 (Note: The minimum course load per semester required for full-time enrolment may be more than 36 credit points)
Course coordinator: Professor Helen MacGillivray (Science)
Discipline coordinator: Dr Gary Carter (Mathematics), Ruth Christie (Information Technology)
Campus: Gardens Point

Career Opportunities
As a graduate you may find employment as a programmer, software engineer, systems programmer, technical support specialist, systems manager, systems designer, computer scientist, security analyst, systems analyst, data communications specialist, mathematician, or statistician.

Course Structure
The double degree offers a foundation in mathematics and information technology in the first year. You will then select integrated strands combining units from the areas of applicable mathematics, computational mathematics, operations research, statistics, or financial mathematics with a combined major in Data Communications and Software Engineering.

Professional Recognition
On graduation, you will be eligible for membership of the Mathematical Society of Australia, the Statistical Society of Australia Inc and, depending on unit selection, the Australian Society for Operations Research. Graduates of the Bachelor of Information Technology meet the knowledge requirement for admission to the Australian Computer Society.

Cooperative Education Program
An optional one-year period of paid work experience in an area of information technology is available to eligible full-time students. The Cooperative Education Program is a joint venture between employers and educators to better prepare students for employment upon graduation. Companies that QUT's Cooperative Education students have worked with include Energey, Boeing, CITEC, Global Banking and Securities Transaction, various Queensland Government departments, Dialog, TABQ, RACQ and Sun Microsystems.

For more information visit www.fit.qut.edu.au/courses/undergrad/coop/

Mathematics Scholarships
Students enrolled in this course can apply for industry-sponsored scholarships. Mathematics equity scholarships are also awarded on the basis of socioeconomic disadvantage.

Contact Details
Science Coordinator
Professor Helen MacGillivray
Phone: +61 7 3138 2337
Email: h.macgillivray@qut.edu.au

Associate Course Coordinators
Mathematics
Dr Gary Carter
Phone: +61 7 3138 5090
Email: g.carter@qut.edu.au

Information Technology
Dr Alan Tickle
Phone: +61 7 3138 2782
Email: if58enquiry.fit@qut.edu.au

Deferment
QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Course structure - For students with four semesters of Senior Mathematics B and Senior Mathematics C

For students with four semesters of Senior Mathematics B and Senior Mathematics C (or equivalent) with an exit assessment of at least Sound Achievement in both

Year 1, Semester 1
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<td>ITB06 Networks</td>
<td>MAB311 Advanced Calculus</td>
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</tbody>
</table>

**Course structure - For students with four semesters of Senior Mathematics B (or equivalent) only**

For students with four semesters of Senior Mathematics B (or equivalent) only, with an exit assessment of at least Sound Achievement

- **Year 1, Semester 1**
  - ITB001 Problem Solving and Programming
  - ITB004 Database Systems
  - MAB100 Mathematical Sciences 1A
  - MAB101 Statistical Data Analysis 1

- **Year 1, Semester 2**
  - ITB002 IT Professional Studies
  - ITB003 Object Oriented Programming
  - ITB005 Systems Architecture
  - MAB111 Mathematical Sciences 1B
  - MAB112 Mathematical Sciences 1C

- **Year 2, Semester 1**
  - ITB006 Networks
  - ITB008 Modelling Analysis and Design
  - ITB711 Programming Abstraction
  - MAB111 Mathematical Sciences 1B
  - MAB112 Mathematical Sciences 1C

- **Year 2, Semester 2**
  - ITB712 Software Engineering Studies
  - ITB744 Computer Architecture
  - OR
  - IT Elective Unit selected from list
  - Level 2 or 3 Maths unit
  - Level 2 or 3 Maths unit

- **Year 3, Semester 1**
  - MAB311 Advanced Calculus
  - Level 2 or 3 Maths unit
  - ITB745 Operating Systems
  - IT Elective Unit selected from list

- **Year 3, Semester 2**
  - ITB720 Internet Protocols and Services
  - IT Elective Unit selected from list
  - Level 2 or 3 Maths unit
  - Level 2 or 3 Maths unit
  - Elective (This elective unit may be taken from any faculty in QUT, subject to the approval of the Head of School)

- **Year 4, Semester 1**
  - ITB009 Core Project Initiation
  - IT Elective Unit selected from list
  - Level 2 or 3 Maths unit
  - Level 2 or 3 Maths unit

- **Year 4, Semester 2**
  - ITB720 Internet Protocols and Services
  - IT Elective Unit selected from list
  - Level 2 or 3 Maths unit
  - Level 2 or 3 Maths unit
  - Level 2 or 3 Maths unit
  - Level 2 or 3 Maths unit
Year 4, Semester 2

IT Elective Unit selected from list
IT Elective Unit selected from list
Level 2 or 3 Maths unit
Level 2 or 3 Maths unit

Mathematics Units

Students must complete at least 48 credit points from Level 3 mathematics units

Level 2 Units
MAB281 Mathematics for Computer Graphics
MAB311 Advanced Calculus
MAB312 Linear Algebra
MAB313 Mathematics of Finance
MAB314 Statistical Modelling 2
MAB315 Operations Research 2
MAB413 Differential Equations
MAB414 Applied Statistics 2
MAB420 Computational Mathematics 2
MAB422 Mathematical Modelling
MAB480 Introduction to Scientific Computation
MAB481 Visualisation and Data Analysis

Level 3 Units
MAB521 Applied Mathematics 3
MAB522 Computational Mathematics 3
MAB523 Introduction to Quality Management
MAB524 Statistical Inference
MAB525 Operations Research 3A
MAB526 Statistical Science 3
MAB580 Scientific Computation
MAB613 Partial Differential Equations
MAB621 Discrete Mathematics
MAB623 Financial Mathematics
MAB624 Applied Statistics 3
MAB625 Operations Research 3B
MAB640 Industry Project
MAB672 Advanced Mathematical Modelling
MAB681 Advanced Visualisation and Data Analysis

NOTES: For students commencing in 2004 onwards, the units MAB311 Advanced Calculus and MAB312 Linear Algebra are mandatory. The suggested locations can be swapped.

NOTE: All Mathematics units have 4 contact hours per week.

IT Elective Unit List

Information Technology Elective Unit List
ITB007 Web Development
ITB009 Core Project Initiation
ITB010 Core Project Implementation
ITB218 Applications Project
ITB222 Systems Analysis and Design
ITB223 Software Development
ITB228 Enterprise Systems
ITB229 Database Design
ITB230 Project
ITB232 Database Management
ITB233 Enterprise Systems Applications
ITB237 Advanced Databases
ITB239 Enterprise Data Mining
ITB241 Information Technology Management
ITB254 Interaction Design
ITB245 R/3 System Administration
ITB257 Multimedia Systems
ITB259 Advanced Multimedia Systems
ITB260 E-Commerce Site Development
ITB264 Information Systems Consulting
ITB266 Information Management
ITB267 Business Analytics
ITB272 Information Technology Project Management
ITB294 Information Quality
ITB295 XML: Data and Document Processing
ITB298 Business Process Engineering
ITB322 Information Resources
ITB710 Fundamentals of Computer Science
ITB711 Programming Abstraction
ITB712 Software Engineering Studies
ITB713 Advanced Java Programming
ITB715 Web Services
ITB716 Advanced Web Applications Development
ITB717 Enterprise Software Architecture
ITB720 Internet Protocols and Services
ITB721 Unix Network Administration
ITB722 Network Planning and Deployment
ITB723 Wireless and Mobile Devices
Potential Careers:

Actuary, Computer Game Programmer, Data Communications Specialist, Database Manager, Market Research Manager, Mathematician, Network Administrator, Network Manager, Programmer, Quantitative Analyst, Software Engineer, Statistician, Systems Analyst.
Bachelor of Engineering (Electrical)/Bachelor of Information Technology (IF59)

Year offered: 2007
Admissions: Yes
CRICOS code: 006384G
Course duration (full-time): 5 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: $210 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $20,160
International Fees (per semester): 2007: $10,000 per semester (subject to annual review)
Domestic Entry: February
International Entry: February
QTAC code: 419512; Dfee: 419516
Past rank cut-off: 78; Dfee: 73
Past OP cut-off: 11; Dfee: 13
OP Guarantee: Yes
Assumed knowledge: English (4, SA) and Maths B (4, SA)
Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or Total credit points: 480
Standard credit points per full-time semester: 48
Course coordinator: Dr R. Mahalinga-Iyer (Engineering), Ruth Christie (Information Technology)
Discipline coordinator: Dr Ed Palmer (Engineering)
Campus: Gardens Point

Recommended Study
Chemistry, Math C and Physics are recommended.

Career Outcomes
Many graduates find employment in government instrumentalities such as communications, railways, electricity supply, hospitals, transport and in private organisations that are using electronics, electronic systems, computers and microprocessors to monitor, control, communicate and optimise processes and production.

Overview
The engineering component consists of studies in electronic systems engineering while the information technology component concentrates on software engineering. These studies integrate into a cohesive course which gives a wide and advanced study of modern electronic and computing systems. This double degree produces computer and electronic engineers especially suited for the development and application of electronic systems, including micro, mini and mainframe computer systems in all areas of industry.

Cooperative Education Program
An optional one-year period of paid work experience in an area of information technology is available to eligible full-time students. The Cooperative Education Program is a joint venture between employers and educators to better prepare students for employment upon graduation. Companies that QUT’s Cooperative Education students have worked with include Energex, Boeing, CITEC, Global Banking and Securities Transaction, various Queensland Government departments, Dialog, TABQ, RACQ and Sun Microsystems.

For more information visit the Faculty's Cooperative Education program home page at www.fit.qut.edu.au/courses/undergrad/coop/

Professional Recognition
This degree meets the requirements for membership of Engineers Australia and the Institution of Radio and Electronics Engineers Australia. Graduates of the Bachelor of Information Technology component meet the knowledge requirements for admission to the Australian Computer Society (ACS).

Special Course Requirements
A candidate for the degree of Bachelor of Engineering (Electronics)/Bachelor of Information Technology must obtain at least 60 days of industrial experience in an engineering environment approved by the course coordinator.

Further Information
Engineering Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.edu.au
Faculty of Information Technology Phone +61 7 3864 2782, Fax +61 7 3864 2703, email: fit.enquiry@qut.edu.au

Deferment
QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

IF59 - B Engineering (Electrical)/B InfoTech

Full-time Course Structure - Year 1, Semester 1
BEB100 Introducing Professional Learning
ITB001 Problem Solving and Programming
PCB136 Engineering Physics 1C
MAB180 Engineering Mathematics 1B
MAB131 Engineering Mathematics 1A
*MAB180 Engineering Mathematics is to be taken by those students not obtaining a SA or better in Queensland Mathematics C (or equivalent).

Year 1, Semester 2
BEB200 Introducing Sustainability
ENB103 Electrical Engineering
ITB003 Object Oriented Programming
<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Year 2, Semester 2</th>
<th>Year 3, Semester 1</th>
<th>Year 3, Semester 2</th>
<th>Year 4, Semester 1</th>
<th>Year 4, Semester 2</th>
<th>Year 5, Semester 1</th>
<th>Year 5, Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENB240 Introduction To Electronics</td>
<td>ENB243 Linear Circuits and Systems</td>
<td>EEB311 Electrical Measurement and Machines</td>
<td>EEB441 Classical Control and Power Systems</td>
<td>EEB560 Digital Communications</td>
<td>EEB640 Digital Signal Processing</td>
<td>EEB781 Professional Studies 2</td>
<td>EEB889-2 Project</td>
</tr>
<tr>
<td>ITB008 Modelling Analysis and Design</td>
<td>ITB006 Networks</td>
<td>ENB242 Introduction To Telecommunications</td>
<td>ITB720 Internet Protocols and Services</td>
<td>ITB009 Core Project Initiation</td>
<td>EEB889-1 Project OR</td>
<td>OR</td>
<td>OR</td>
</tr>
<tr>
<td>MAB233 Engineering Mathematics 3</td>
<td>ITB007 Web Development</td>
<td>IT Elective</td>
<td>IT Elective</td>
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<td>Electrical Engineering Elective</td>
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<td>NOTE:</td>
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<td>EEB781 Professional Studies 2 can be taken earlier if desired subject to completion of BNB007 Professional Studies 1.</td>
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</table>

**Electrical Engineering Elective Units**

| EEB566 Real-Time Computer-Based Systems |
| EEB666 Communication Environments for Embedded Systems |
| EEB941 Modern Signal Processing |
| EEB960 Wireless Communications |
| EEB976 Advanced Industrial Electronics |
| EEB992 VLSI Circuits and Systems |

**IT Elective units -please see IT Elective Unit list**

**Industrial Experience**

Students must obtain at least 60 days industrial experience in an engineering environment as approved by the Course Coordinator.

**IT Elective Unit List**

<p>| ITB007 Web Development |
| ITB009 Core Project Initiation |
| ITB010 Core Project Implementation |
| ITB218 Applications Programming |
| ITB222 Systems Analysis and Design |
| ITB223 Software Development with ORACLE |
| ITB228 Enterprise Systems |
| ITB229 Database Design |
| ITB230 Project |
| ITB232 Database Management |
| ITB233 Enterprise Systems Applications |
| ITB237 Advanced Databases |</p>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ITB239</td>
<td>Enterprise Data Mining</td>
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<td>ITB241</td>
<td>Information Technology Management</td>
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<tr>
<td>ITB254</td>
<td>Interaction Design</td>
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<td>ITB245</td>
<td>R/3 System Administration</td>
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<tr>
<td>ITB257</td>
<td>Multimedia Systems</td>
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<td>ITB259</td>
<td>Advanced Multimedia Systems</td>
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<tr>
<td>ITB260</td>
<td>E-Commerce Site Development</td>
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<tr>
<td>ITB264</td>
<td>Information Systems Consulting</td>
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<td>ITB266</td>
<td>Information Management</td>
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<td>ITB267</td>
<td>Business Analytics</td>
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<td>ITB272</td>
<td>Information Technology Project Management</td>
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<td>ITB294</td>
<td>Information Quality</td>
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<td>ITB295</td>
<td>XML: Data and Document Processing</td>
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<td>ITB298</td>
<td>Business Process Engineering</td>
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<td>ITB322</td>
<td>Information Resources</td>
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<tr>
<td>ITB710</td>
<td>Fundamentals of Computer Science</td>
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<tr>
<td>ITB711</td>
<td>Programming Abstraction</td>
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<tr>
<td>ITB712</td>
<td>Software Engineering Studies</td>
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<td>ITB713</td>
<td>Advanced Java Programming</td>
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<td>ITB715</td>
<td>Web Services</td>
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<td>ITB716</td>
<td>Advanced Web Applications Development</td>
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<td>ITB717</td>
<td>Enterprise Software Architecture</td>
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<tr>
<td>ITB720</td>
<td>Internet Protocols and Services</td>
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<td>ITB721</td>
<td>Unix Network Administration</td>
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<tr>
<td>ITB722</td>
<td>Network Planning and Deployment</td>
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<tr>
<td>ITB723</td>
<td>Wireless and Mobile Devices</td>
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<tr>
<td>ITB730</td>
<td>Information Security Fundamentals</td>
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<tr>
<td>ITB731</td>
<td>Security Technologies</td>
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<td>ITB732</td>
<td>Cryptology and Protocols</td>
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<tr>
<td>ITB733</td>
<td>Network Security</td>
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<tr>
<td>ITB740</td>
<td>Agent Based Software Engineering</td>
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<td>ITB741</td>
<td>Information Retrieval Technology</td>
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<td>ITB744</td>
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<td>ITB745</td>
<td>Operating Systems</td>
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<td>ITB746</td>
<td>Modelling and Animation Techniques</td>
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<td>ITB747</td>
<td>Real Time Rendering Techniques</td>
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<td>ITB748</td>
<td>Configurable Computing</td>
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<td>ITB749</td>
<td>Scientific Programming</td>
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<tr>
<td>ITB750</td>
<td>Computer Game Studies</td>
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<td>ITB751</td>
<td>Games Production</td>
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<tr>
<td>ITS702</td>
<td>Ccna 3 &amp; 4: Switching and Wide Area Networking</td>
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<tr>
<td>ITS703</td>
<td>Ccnp 1: Advanced Routing</td>
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<tr>
<td>ITS704</td>
<td>Ccnp 2: Remote Access Networks</td>
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<tr>
<td>ITS705</td>
<td>Ccnp 3: Multilayer Switching</td>
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<tr>
<td>ITS706</td>
<td>Ccnp 4: Network Troubleshooting</td>
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<tr>
<td>MAB281</td>
<td>Mathematics for Computer Graphics</td>
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Please check with the relevant School for further information on Special Topics.

**Potential Careers:**
Computer Systems Engineer, Electrical and Computer Engineer, Programmer, Software Engineer, Web Designer.
Bachelor of Creative Industries (Communication Design)/Bachelor of Information Technology (IF90)

Year offered: 2007
Admissions: No
CRICOS code: 040317C
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: $160 per credit point (subject to annual review)
Domestic fees (indicative): 2007:$15360
International Fees (per semester): 2007:$9,000 per semester (subject to annual review)
Domestic Entry: February
International Entry: February
QTAC code: 409872
Past rank cut-off: 77
Past OP cut-off: 11
Assumed knowledge: English (4, SA), and for games technology and security majors, Maths B (4, SA), or for all other majors, Maths A, B or C (4, SA)
Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com
Total credit points: 384
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Adrian Thomas (Creative Industries) ; Ruth Christie (Info Tech)
Discipline coordinator: Dr Gavin Sade (Creative Industries)
Campus: Gardens Point and Kelvin Grove

OP Guarantee
The OP Guarantee does not apply to this course.

Overview
This four year double degree prepares students for work in the games development and entertainment industries. Students study core units plus areas including design and media technologies, games design, software development, interactive writing and programming. Students are introduced to the theories and practices which underpin interdisciplinary design and technology studies. The course brings together information technology core areas of algorithms and data structures, information science and visualisation with the design areas associated with human computer interaction, usability and accessibility, ambient and ubiquitous computing and tangible interfaces.

Students develop creative, technical and professional skills to allow them to work at the interface of design and technology practice. Graduates are well positioned to be leaders in their field, with students prepared for practice in the creative industries in the context of communication design.

Pathways to Honours and post graduate degrees are available.

Cooperative Education Program
An optional one-year period of paid work experience in an area of information technology is available to eligible full-time students. The Cooperative Education Program is a joint venture between employers and educators to better prepare students for employment upon graduation. Companies that QUT's Cooperative Education students have worked with include Energex, Boeing, CITEC, Global Banking and Securities Transaction, various Queensland Government departments, Dialog, TABQ, RACQ and Sun Microsystems.

For more information visit the Faculty's Cooperative Education program home page at www.fit.qut.edu.au/courses/undergrad/coop/

Career Outcomes
Graduates work in information architecture, educational web development, game design, human computer interaction, information science.

Professional Recognition
Graduates of the Bachelor of Information Technology component meet the knowledge requirements for admission to the Australian Computer Society (ACS).

Further Information
Faculty of Information Technology
Phone: +61 7 3864 2782
Fax: +61 7 3864 2703
Email: fit.enquiry@qut.edu.au

Creative Industries Faculty
Communication Design Discipline
Phone: +61 7 3864 5904
if90enquiry.ci@qut.edu.au

Deferment
QUT's deferment policy does not apply to this course.

IF90 - BCI(Communication Design)/B InfoTech

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<tr>
<th>Year 1, Semester 1</th>
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<td>KIB101</td>
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<td>KIB103</td>
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<td>ITB001</td>
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<td>ITB004</td>
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<table>
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<tr>
<th>Year 1, Semester 2</th>
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<tbody>
<tr>
<td>KIB102</td>
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<tr>
<td>KIB104</td>
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<tr>
<td>ITB002</td>
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<tr>
<th>Year 2, Semester 1</th>
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<tbody>
<tr>
<td>ITB005</td>
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Creative Industries Core Unit
Creative Industries Elective

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<thead>
<tr>
<th>Year 2, Semester 2</th>
<th>Creative Industries Core Unit</th>
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<tbody>
<tr>
<td>ITB007 Web Development</td>
<td>ITB711 Programming Abstraction</td>
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<td>ITB711 Programming Abstraction</td>
<td>ITB712 Creative Industries Elective</td>
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<thead>
<tr>
<th>Year 3, Semester 1</th>
<th>Creative Industries Elective</th>
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</thead>
<tbody>
<tr>
<td>KIB210 Design Studio 1: Interaction Design</td>
<td>ITB749 Scientific Programming</td>
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<tr>
<td>ITB749 Scientific Programming</td>
<td>MAB281 Mathematics for Computer Graphics</td>
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<tr>
<th>Year 3, Semester 2</th>
<th>Creative Industries Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIB211 Design Studio 2: Web Development</td>
<td>ITB006 Networks</td>
</tr>
<tr>
<td>ITB746 Modelling and Animation Techniques</td>
<td>ITB746 Modelling and Animation Techniques</td>
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<thead>
<tr>
<th>Year 4, Semester 1</th>
<th>Creative Industries Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIB310 Design Studio 3: Virtual Environments</td>
<td>ITB009 Core Project Initiation</td>
</tr>
<tr>
<td>ITB747 Real Time Rendering Techniques</td>
<td>ITB649 Object Modelling for Games Design</td>
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</table>

<table>
<thead>
<tr>
<th>Year 4, Semester 2</th>
<th>Creative Industries Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIB311 Design Studio 4: Tangible Media</td>
<td>ITB744 Artificial Intelligence</td>
</tr>
<tr>
<td>ITB732 Cryptology and Protocols</td>
<td>ITB745 Operating Systems</td>
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</table>

IT Elective Unit List

<table>
<thead>
<tr>
<th>Information Technology Elective Unit List</th>
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<tbody>
<tr>
<td>ITB007 Web Development</td>
</tr>
<tr>
<td>ITB009 Core Project Initiation</td>
</tr>
<tr>
<td>ITB010 Core Project Implementation</td>
</tr>
<tr>
<td>ITB218 Applications Programming</td>
</tr>
<tr>
<td>ITB222 Systems Analysis and Design</td>
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<tr>
<td>ITB223 Software Development with ORACLE</td>
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<tr>
<td>ITB228 Enterprise Systems</td>
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<tr>
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<td>ITB233 Enterprise Systems Applications</td>
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<tr>
<td>ITB237 Advanced Databases</td>
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<tr>
<td>ITB239 Enterprise Data Mining</td>
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<tr>
<td>ITB241 Information Technology Management</td>
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<tr>
<td>ITB254 Interaction Design</td>
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<tr>
<td>ITB245 R/3 System Administration</td>
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<tr>
<td>ITB257 Multimedia Systems</td>
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IT Elective Unit List

<table>
<thead>
<tr>
<th>Information Technology Elective Unit List</th>
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<tr>
<td>ITB007 Web Development</td>
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<tr>
<td>ITB009 Core Project Initiation</td>
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</tr>
</tbody>
</table>

Please check with the relevant School for further information on Special Topics.

Creative Industries Faculty Undergraduate Open
### Electives

**Creative Industries Faculty Undergraduate Open Electives**

These unit offerings are current at the time of publication but are subject to change.

Rules for selecting electives:

- You must obey any elective rules as set out in your course requirements.
- You cannot select a unit that forms part of the compulsory units of your course or the compulsory units of your chosen sub-major area.
- You must have successfully completed any pre/co-requisite units applicable.
- The offering of elective units is subject to sufficient student enrolment numbers and staff availability.
- Some units are subject to quota restrictions.
- KK33, KK34, KJ32, KM32, IX07 and IX16 students ONLY are permitted to select electives from outside the Faculty of Creative Industries.

### Semester 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>KCB101</td>
<td>Communication in the New Economy</td>
</tr>
<tr>
<td>KCB102</td>
<td>Media and Society: From Printing Press to Internet</td>
</tr>
<tr>
<td>KCB103</td>
<td>Strategic Speech Communication</td>
</tr>
<tr>
<td>KCB201</td>
<td>Virtual Cultures</td>
</tr>
<tr>
<td>KCB302</td>
<td>Political Communication</td>
</tr>
<tr>
<td>KIB201</td>
<td>Interactive Writing</td>
</tr>
<tr>
<td>KIB108</td>
<td>Animation Practices</td>
</tr>
<tr>
<td>KDB105</td>
<td>Architecture of the Body</td>
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<tr>
<td>KDB108</td>
<td>World Dance</td>
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<tr>
<td>KDB110</td>
<td>Deconstructing Dance in History</td>
</tr>
<tr>
<td>KFB103</td>
<td>Introduction to Fashion Design</td>
</tr>
<tr>
<td>KJB101</td>
<td>Journalism Information Systems</td>
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<tr>
<td>KJB120</td>
<td>Newswriting</td>
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<td>Journalistic Inquiry</td>
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<td>Feature Writing</td>
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<td>Journalism Ethics and Issues</td>
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<td>KKB004</td>
<td>Indigenous Creative Industries</td>
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<td>KKB210</td>
<td>Computational Arts 1</td>
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<td>KKB290</td>
<td>Supervised Group Project</td>
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<td>Workplace Learning</td>
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<td>Music and Spirituality</td>
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<td>KMB003</td>
<td>Sex Drugs Rock 'n' roll</td>
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<td>KMB004</td>
<td>World Music</td>
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<td>Music and Sound Skills</td>
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<td>Music and Sound Technology</td>
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<td>Sound, Image, Text</td>
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<td>Sound Recording and Acoustics</td>
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<td>KPB102</td>
<td>Film History</td>
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<td>Australian Television</td>
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<td>Media Text Analysis</td>
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<td>KPB203</td>
<td>Australian Film</td>
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<td>Critical Thinking About Television</td>
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<td>KTB061</td>
<td>Creative Industries Management</td>
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<td>Creative Industries Events and Festivals</td>
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<td>KTB101</td>
<td>20th Century Performance</td>
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<td>KTB204</td>
<td>Understanding Performance</td>
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<td>KTB306</td>
<td>Directing for Events and Festivals</td>
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<td>KVB102</td>
<td>Modernism</td>
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<td>KVB104</td>
<td>Photomedia and Artistic Practice</td>
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<td>KVB110</td>
<td>2D Media and Processes</td>
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<td>KVB212</td>
<td>Australian Art, Architecture and Design</td>
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<td>KVB304</td>
<td>Contemporary Art Issues</td>
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<td>KWB001</td>
<td>Introduction to Literary Theory and Cultural Studies</td>
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<td>KWB003</td>
<td>Modern Times (Literature and Culture in the 20th Century)</td>
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<td>KWB005</td>
<td>Wonderlands: Literature and Culture in the 19th Century</td>
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<td>KWB101</td>
<td>Introduction to Creative Writing</td>
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<td>KWB102</td>
<td>Media Writing</td>
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<td>KWB103</td>
<td>Persuasive Writing</td>
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<td>KWB104</td>
<td>Creative Writing: The Short Story</td>
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<td>KWB105</td>
<td>Film and Television Scriptwriting</td>
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<td>KWB107</td>
<td>Introduction to Creative Non-Fiction</td>
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<td>KWB207</td>
<td>Great Books: The Literary Classics</td>
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### Semester 2

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</tr>
<tr>
<td>KCB104</td>
<td>Media and Communications Industries</td>
</tr>
<tr>
<td>KCB105</td>
<td>Media and Communication Research Methods</td>
</tr>
</tbody>
</table>
KCB202 New Media Technologies
KCB203 Consumer Cultures
Communication Design Discipline
KIB202 Enabling Immersion
Dance Discipline
KDB106 Dance Analysis
KDB109 Funk, Tap and all that Jazz
KDB204 Australian Dance
Faculty
KKB290 Supervised Group Project
KKB211 Computational Arts 2
KKB320 Workplace Learning
KKB330 Workplace Learning
KKB340-1 Workplace Learning
KKB340-2 Workplace Learning
KKB357 Independent Study
Fashion Discipline
KFB105 Fashion and Modernity
Journalism Discipline
KJB101 Journalism Information Systems
KJB120 Newswriting
KJB121 Journalistic Inquiry
KJB224 Feature Writing
KJB280 International Journalism
KJB337 Public Affairs Reporting
Music & Sound Discipline
KMB002 Music and Spirituality
KMB003 Sex Drugs Rock 'n' roll
KMB004 World Music
KMB007 Introductory Ensemble
KMB105 Music and Sound Technology
KMB107 Sound, Image, Text
KMB108 Sound Recording and Acoustics
Film & Television Discipline
KPB103 Film Genres
KPB104 Film and Television Production Resource Management
KPB107 Television Genres
KPB205 Documentary Theory and Practice
KPB206 International Cinema
Performance Studies Discipline
KTB062 Creative Industries Events and Festivals
KTB104 Performance Innovation
KTB207 Staging Australia
Visual Arts Discipline
KVB103 Australian Art
KVB104 Photomedia and Artistic Practice
KVB108 Contemporary Asian Visual Culture
KVB211 Post 1945 Art
KVB306 Video Art and Culture
KVB307 Theories of Spatial Culture
Creative Writing & Cultural Studies Discipline
KWB002 Ozlit
KWB004 Shakespeare, Then and Now
KWB006 Popular Fictions, Popular Culture
KWB007 Indigenous Writing
KWB102 Media Writing
KWB104 Creative Writing: The Short Story
KWB105 Film and Television Scriptwriting
KWB106 Corporate Writing and Editing
KWB204 Creative Non-Fiction: Life Writing
KWB206 Youth and Children's Writing

NOTES:
* Only one Workplace Learning unit may be completed
* KKB290, KKB357, KKB320, KKB330, KKB340-1 and KKB340-2 are only available to students enrolled in Creative Industries courses.

Potential Careers:
Computer Games Developer, Internet Professional, Multimedia Designer, Programmer, Software Engineer, Web Designer.
Bachelor of Games and Interactive Entertainment (IT04)

Year offered: 2007
Admissions: Yes
CRICOS code: 059710E
Course duration (full-time): 3 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: $160 per credit point (subject to annual review)
Domestic fees (indicative): 2007: Full fee tuition $15360 (subject to annual review)
International Fees (per semester): 2007: $9,000 per semester (subject to annual review)
Domestic Entry: February
International Entry: February
QTAC code: 416102; Dfee: 416106
Past rank cut-off: 73; Dfee: 68
Past OP cut-off: 13; Dfee: 15
OP Guarantee: Yes
Assumed knowledge: English (4, SA) and Maths A, B or C (4, SA)
Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging.
ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com
Course coordinator: Ms Ruth Christie
Campus: Gardens Point

Course Overview
The Bachelor of Games and Interactive Entertainment gives you the opportunity to join the growing industry of digital entertainment and electronic games by acquiring expertise in the development of computer games and other forms of interactive media. The course has a strong foundation in both entertainment technology and creative skills. You can choose your primary area of study, also known as your major, from:

Animation and Computational Arts: animation and motion graphics, 3D computer graphics and computer generated art
Digital Media: mixing graphics, video, animation and sound to meet the increasingly complex world of digital entertainment
Game Design: game design tools and design processes, narrative and immersion, architecture and interior design
Software Technologies: technical aspects of computer games, games engine and tools development

You will gain experience in the whole process of game and interaction development, from identification and evaluation of ideas, creation of design concepts, critique of existing and potential products, analysis of cultural impact and industry trends, right through to the development and delivery of a final product.

Career Outcomes
Depending on your specialisation, graduates may find employment as a games/digital media programmer, game designer, simulation developer or designer, animator, film and television special effects developer, quality assurance tester, games/digital media reviewer, video game tester, sound designer, mobile entertainment and communications developer, web developer or digital product strategist.

Professional Accreditation
No professional accreditation is currently available for courses in the games and entertainment area.

Students completing the Software Technologies Major would be eligible for membership of the Australian Computer Society (ACS).

Cooperative Education Program
The Cooperative Education Program is a joint venture between employers and educators to better prepare students for employment upon graduation. Students have the opportunity to undertake 10-12 months of paid industry employment between the second and third years of an IT degree.

Students’ entry to the program is based on academic performance in the first two years of their undergraduate studies. Companies that QUT's Cooperative Education students have worked with include Energex, Boeing, CITEC, CSC Mining, Environmental Protection Agency, Dialog, UNiTAB, RACQ and many Queensland Government departments.

More information is available on the Cooperative Education website.

Please note this program is only offered to Australian residents and permanent residents.

Deferment
QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, portfolios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Bachelor of Games & Interactive Entertainment Course structure

The course consists of four blocks of studies

| Block A: Core Studies (6 units plus a 24 credit point Project completed in Semester 6) |
| Block B: Major (8 units) selected from Animation and Computational Art; Digital Media; Games Design; Software Technologies |
| Block C: Minor (4 units) |
| Block D: Electives (4 units) |

Year 1, Semester 1
### Bachelor of Games & Interactive Entertainment Majors

#### Year 1, Semester 2

- **ITB751** Games Production
  - Block B or Block C Unit
  - Block B or Block C Unit
  - Block B or Block C Unit

#### Year 2, Semester 1

- Block B or Block C Unit
- Block B or Block C Unit
- Block B or Block C Unit

#### Year 2, Semester 2

- Block B or Block C or Block D Unit
- Block B or Block C or Block D Unit
- Block B or Block C or Block D Unit

#### Year 3, Semester 1

- **ITB009** Core Project Initiation
  - Block B or Block C or Block D Unit
  - Block B or Block C or Block D Unit
  - Block B or Block C or Block D Unit

#### Year 3, Semester 2

- **ITB020** Project
  - Block B or Block C or Block D Unit
  - Block B or Block C or Block D Unit

### Bachelor of Games & Interactive Entertainment Minors

#### Animation#

- KIB212 Animation Studio 1: Preproduction
- KIB213 Animation Studio 2: CG Toolkit

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# This Minor is only available to students who are undertaking the Animation and Computational Arts Major. As resources are limited, entry will be determined on the basis of a student's academic performance in the units KIB105, KIB107, KIB108 and KVB105.
### Computer Science*
- ITB710 Fundamentals of Computer Science
- ITB744 Computer Architecture
- ITB745 Operating Systems
- ITB748 Configurable Computing

* This Minor is only available to students who are undertaking the Software Technologies Major.

### Digital Media
- ITB254 Interaction Design
- ITB257 Multimedia Systems
- ITB259 Advanced Multimedia Systems
- ITB213 Advanced Interaction Design

### Games Design
- KIB814 Enabling Immersion
- KIB816 Interactive Writing
- ITB016 Fundamentals of Game Design
- ITB017 Advanced Game Design

### Entrepreneurship
- BSB115 Management, People and Organisations
- MGB223 Creating New Enterprises
  - OR
  - MGB218 Venture Skills
- AMB240 Marketing Planning and Management
- AMB251 Innovation and Market Development

### Legal Issues
- LWB141 Legal Institutions and Method
- LWB136 Contracts A
  - Two units selected from the following
  - LWB137 Contracts B
  - LWB142 Law, Society and Justice
  - LWB480 Media Law
  - LWB482 Internet Law
  - LWB484 Electronic Commerce and Technology
    - Contracts
  - LWB486 Intellectual Property Law

### Marketing
- BSB126 Marketing
  - Three units selected from the following
  - AMB251 Innovation and Market Development
  - AMB240 Marketing Planning and Management
  - AMB201 Marketing and Audience Research
  - AMB341 Strategic Marketing

### Mathematics for Games#
- MAB100 Mathematical Sciences 1A

### Mobile and Network Technologies*
- ITB006 Networks
- ITB7?? null
- ITB720 Internet Protocols and Services
  - OR
- ITB730 Information Security Fundamentals
- ITB723 Wireless and Mobile Devices
  - OR
- ITB731 Security Technologies

* This Minor is only available to students who are undertaking the Software Technologies Major.

### Physics for Games
- PCB107 Physics and Quantitative Techniques
- PCB??? null
- PCB593 Digital Image Processing
- PCB460 Instrumentation and Computational Methods

### Sound Design
- KMB105 Music and Sound Technology
- KMB107 Sound, Image, Text
- KMB106 Music and Sound for Multimedia
- KMB108 Sound Recording and Acoustics

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# Students who have completed Maths C can substitute MAB100 with one of the following units: MAB311, MAB481 or MAB422

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Bachelor of Corporate Systems Management (IT06)

Year offered: 2007
Admissions: Yes
CRICOS code: 059712C
Course duration (full-time): 3 years

Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: $160 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $15360
International Fees (per semester): 2007: $9,000 per semester (subject to annual review)

Domestic Entry: February
International Entry: February
QTAC code: 416301; Dfee: 416306
Past rank cut-off: 73; Dfee: 68
Past OP cut-off: 13; Dfee: 15
OP Guarantee: Yes
Assumed knowledge: English (4, SA) and Maths A, B or C (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

Course coordinator: Dr Karen Nelson
Campus: Gardens Point

Course Overview
The Bachelor of Corporate Systems Management will give students the skills and knowledge to identify and communicate business system needs, select the right information systems and integrate these systems into organisations to improve business performance.

The course is industry relevant and flexible, with the option to focus studies on areas such as IT management, enterprise systems, IT consulting, business process engineering, and knowledge management. Students will learn about, and come to understand, the interrelationship of information technology, business and client relations.

Career Outcomes
The professional skills gained from the Bachelor of Corporate Systems Management are applicable across all business domains. Students will gain knowledge and an understanding of how to work with people and clients, operations, systems and production, while learning how to apply a strategic focus in a management role.

As a graduate, students can expect to work as a business analyst or consultant, enterprise architect, information or knowledge strategist, ICT project manager or IT infrastructure manager.

Professional Accreditation
Recognition of the course by the Australian Computer Society (ACS) will be sought during 2007.

Cooperative Education Program
The Cooperative Education Program is a joint venture between employers and educators to better prepare students for employment upon graduation. Students have the opportunity to undertake 10-12 months of paid industry employment between the second and third years of an IT degree.

Students' entry to the program is based on academic performance in the first two years of their undergraduate studies. Companies that QUT's Cooperative Education students have worked with include Energex, Boeing, CITEC, CSC Mining, Environmental Protection Agency, Dialog, UNITAB, RACQ and many Queensland Government departments.

More information is available on the Cooperative Education website.

Please note this program is only offered to Australian residents and permanent residents.

Deferment
QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, portfolios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Bachelor of Corporate Systems Management

Block A: Core Units (16 Units)
ITB002 IT Professional Studies
ITB360 Corporate Systems
ITB361 Socio-technical Systems
ITB362 Organisational Databases

Year 1, Semester 1

Year 1, Semester 2
BSB115 Management, People and Organisations
ITB363 Project Management Practice
ITB364 Information Systems Development
Block B Unit

Year 2, Semester 1
BSB126 Marketing
ITB365 Business Analysis
ITB366 Information Systems Operations
Block B Unit
Year 2, Semester 2
ITB823  Web Sites For Electronic Commerce
EFB  Financial Information Systems
    Block B Unit
    Block B Unit

Year 3, Semester 1
ITB264  Information Systems Consulting
ITB370  Project
    Block B Unit
    Block B Unit

Year 3, Semester 2
ITB298  Business Process Engineering
ITB233  Enterprise Systems Applications
    Block B Unit
    Block B Unit

Block B: Complementary Studies
Students select a 4, 6 or 8 unit set/s from within the Faculty of IT or from those offered by other Faculties at QUT. Alternatively, students may undertake eight elective units with the approval of the Course Coordinator.

Information Management/Information Technology Management (Faculty of IT)
ITB241  Information Technology Management
ITB266  Information Management
ITB272  Information Technology Project Management
ITB294  Information Quality
ITB322  Information Resources
ITB330  Information Issues and Policy
ITB255  Knowledge Management
ITB3XX  null

Adult and Community Learning (Faculty of Education)
EDB101  Professional Foundations for Learning Facilitation 1
EDB102  Professional Foundations for Learning Facilitation 2
SPB100  Introduction to Adult Learning and Development
SPB101  Getting to Know Great Thinkers in Adult Education
SPB102  Professional Communication in Adult Learning Contexts
SPB103  Program Design, Assessment, Reporting, and Evaluation

Banking and Finance (Faculty of Business)
BSB113  Economics
BSB122  Quantitative Analysis and Finance
EFB101  Data Analysis for Business
EFB102  Economics 2
EFB201  Financial Markets
EFB210  Finance 1
EFB307  Finance 2
EFB312  International Finance

Business Systems Engineering (Faculty of IT)
ITB003  Object Oriented Programming
ITB004  Database Systems
ITB008  Modelling Analysis and Design
ITB222  Systems Analysis and Design
ITB228  Enterprise Systems
ITB292  Enterprise Architecture
ITB296  Information Systems Theory and Applications

Creative Industries Management (Creative Industries Faculty)
KTB207  Staging Australia
KTB061  Creative Industries Management
KTB062  Creative Industries Events and Festivals
KTB104  Performance Innovation

Construction Management - Administration (Faculty of Built Environment and Engineering)
UDB111  Engineering Construction Materials
UDB110  Residential Construction and Engineering
UDB101  Stewardship of Land
UDB104  Urban Development Economics

Databases
ITB003  Object Oriented Programming
ITB004  Database Systems
ITB008  Modelling Analysis and Design
ITB229  Database Design
ITB239  Enterprise Data Mining
ITB295  XML: Data and Document Processing

Electronic Business (Faculty of IT/Faculty of Business)
ITB004  Database Systems
ITB007  Web Development
ITB228  Enterprise Systems
ITB239  Enterprise Data Mining
BSB212  Electronic Business Applications
BSB213  Governance Issues in E-Business
BSB314  E-Business Intelligence

Entrepreneurship (Faculty of Business)
MGB223  Creating New Enterprises
MGB218  Venture Skills
AMB240  Marketing Planning and Management
AMB251  Innovation and Market Development
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<tr>
<td>MGB207 Human Resource Issues and Strategy</td>
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<tr>
<td>MGB211 Organisational Behaviour</td>
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<tr>
<td>MGB314 Organisational Consulting and Change</td>
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<td>MGB331 Training and Development</td>
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<tr>
<td>HHB111 Issues In International And Global Studies</td>
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<td>HHB107 World Regions</td>
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<td>HHB223 Islam and Islamic Societies</td>
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<td>HHB263 Politics Of Globalisation</td>
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<td>LWB142 Law, Society and Justice</td>
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<td>LWB144 Laws and Global Perspectives</td>
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<td>LWB136 Contracts A</td>
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<td>LWB137 Contracts B</td>
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<tr>
<td>LWB482 Internet Law</td>
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<td>LWB484 Electronic Commerce and Technology Contracts</td>
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<td>MGB220 Management Research Methods</td>
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<tr>
<td>MGB222 Managing Organisations</td>
</tr>
<tr>
<td>MGB309 Strategic Management</td>
</tr>
<tr>
<td>MGB334 Managing in a Changing Environment</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Marketing (Faculty of Business)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMB200 Consumer Behaviour</td>
</tr>
<tr>
<td>AMB240 Marketing Planning and Management</td>
</tr>
<tr>
<td>AMB341 Strategic Marketing</td>
</tr>
<tr>
<td>AMB201 Marketing and Audience Research</td>
</tr>
<tr>
<td>AMB241 E-Marketing Strategies</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Organisational Psychology (Faculty of Health)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PYB012 Psychology</td>
</tr>
<tr>
<td>PYB007 Interpersonal Processes and Skills</td>
</tr>
<tr>
<td>PYB205 Social Psychology</td>
</tr>
<tr>
<td>PYB302 Industrial and Organisational Psychology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Public Health (Faculty of Health)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUB251 Contemporary Public Health</td>
</tr>
<tr>
<td>PUB326 Epidemiology</td>
</tr>
<tr>
<td>PUB329 Foundations of Health Studies and Health Behaviour</td>
</tr>
<tr>
<td>PUB406 Health Promotion Strategies</td>
</tr>
</tbody>
</table>
University Diploma in Information Technology (IT10)

**Year offered:** 2007
**Admissions:** Yes
**CRICOS code:** 025283M
**Course duration (full-time):** 2 semesters
**International Fees (per semester):** 2007: $7,250 per semester (subject to annual review)
**International Entry:** February, June and October
**Total credit points:** 96
**Standard credit points per full-time semester:** 48
**Course coordinator:** Elizabeth McDade
**Campus:** Kelvin Grove

**Abbreviation**
UnivDipInfTech

**Entry requirements - Academic**
Successful completion of senior high school with the required grades. Students can find more country specific entry requirements at the following web site. http://www.international.qut.edu.au/apply/howtoapply/entryreqs/academic.jsp

**Entry Requirements - English language**
Queensland Senior English (Low Achievement) or IELTS 5.5 with no sub-score less than 5.0 or TOEFL 525 (paper), TOEFL 193 (CBT) or equivalent, or successful completion of the EAP program. (N.B. Students should also check visa requirements).

**Description**
The University Diploma in Information Technology, which has intakes for international students in February, June and October, is equivalent to the first year of the Bachelor of Information Technology. In this program, students study six first year faculty core units as well as two units of Communication which have been designed to support their other core units. Students who successfully complete these units earn full academic credit for eight units towards their degree. Graduates articulate to the second year of the Bachelor of Technology. Small lectures and tutorials, additional workshops and the support of Language and Welfare Advisers provide an excellent learning environment.

**Course Completion**
Students must obtain at least a grade of 4 (Pass) in seven units and a grade of 3 (Low pass) in the remaining unit.

**Progression**
Requirements for progression to the second year of QUT Bachelor of Information Technology:

i) fulfil the Diploma course requirements,

ii) a minimum Grade Point Average (GPA) of 4, and

iii) an IELTS score of 6.5 or its equivalent.

**IT10 - University Diploma in InfoTech (Full-time course structure)**

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Semester Two</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITD001   Problem Solving and Programming</td>
<td>ITD002   IT Professional Studies</td>
</tr>
<tr>
<td>ITD004   Database Systems</td>
<td>ITD003   Object Oriented Programming</td>
</tr>
<tr>
<td>ITD005   Systems Architecture</td>
<td>ITD006   Networks</td>
</tr>
<tr>
<td>QCD120   Communication for Information Technology 1</td>
<td>QCD220   Communication for Information Technology 2</td>
</tr>
</tbody>
</table>

**Potential Careers:**
Bachelor of Information Technology  
(FOR CONTINUING STUDENTS ONLY)  
(IT21)

Year offered: 2007  
Admissions: No  
CRICOS code: 012656E  
Course duration (full-time): 3 years (International students must study at Gardens Point)  
Course duration (part-time): 6 years (not available at Carseldine)  
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: $160 per credit point (subject to annual review)  
Domestic fees (indicative): 2007 Full fee tuition $15360  
International Fees (per semester): 2005: A$9,000; 2006: A$9,000 (subject to annual review)  
International Entry: February, July and October (Conditions apply for October entry)  
OP Guarantee: Yes  
Assumed knowledge: English (4,SA) and Maths B (4,SA)  
Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com  
Total credit points: 288  
Course coordinator: Ruth Christie  
Campus: Gardens Point and Carseldine

Career Outcomes
IT is now an integral part of all commercial, industrial and government activities. A graduate may find employment as a: Programmer, Software Engineer, Systems Programmer, Computer Scientist, Systems Analyst, Data Communications Specialist, Information Manager, Electronic Commerce Developer, Games Developer, Multimedia Specialist, Network Administrator, Database Manager, Web Developer.

For information on the above job descriptions, visit IT Skills Hub.

Course Design
From 2006, the Bachelor of Information Technology will be redesigned to ensure graduates are industry ready and future proof.

In response to the ever-changing IT industry, the new Bachelor of IT will provide a strong theoretical and practical grounding on which students can build to advance their own unique career aspirations. This course is designed to ensure graduates are industry ready and future proof. A key feature of the program is greater flexibility for students to complement their IT studies with a related discipline (eg Business, Creative Industries, Science), all within three years.

The 24 unit degree comprises:
- Six units in an IT Major
- Eight units in IT Complementary Studies, including for example a second IT Major or an Extended Major.

Click here for more info.

Students commencing at Carseldine campus must transfer to Gardens Point campus after the completion of first year (ie 96 credit points of study).

Credit for previous study
Domestic and international applicants may claim credit for part of the degree, on the basis of completed or partially completed studies, related to the Bachelor of IT.

International students can access advanced standing arrangements on QUT's international site.

Domestic applicants should view the credit information on the Student Services site.

Professional Recognition
Graduates of the Bachelor of Information Technology meet the knowledge requirement for admission to the Australian Computer Society (ACS) as members.

Co-operative Education Program
The Cooperative Education Program is a joint venture between employers and educators to better prepare students for employment upon graduation. Students have the opportunity to undertake 10-12 months of paid industry employment between the second and third years of an IT degree.

Entry to the program is based on academic performance in the first two years of the Bachelor of Information Technology. Companies that QUT's Cooperative Education students have worked with include Energex, Boeing, CITEC, Global Banking and Securities Transaction, various Queensland Government departments, Dialog, TABQ, RACQ and Sun Microsystems.

More information is available on the Cooperative Education site.

Please note this program is only offered to Australian residents and permanent residents.

Deferment
From 2006, QUT will allow Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Course Outline
- Block 1: Common First Year (8 Units)
- Block 2: Major (12 Units)
Data Communications
Electronic Commerce
Information Systems
Software Engineering

Block 2: Major (14 Units)
Emerging Technologies
Data Communications and Information Systems
Data Communications and Software Engineering

Block 3: General Electives
4 Units for the following majors
Data Communications
Electronic Commerce
Information Systems
Software Engineering
2 Units for the following majors
Emerging Technologies
Data Communications and Information Systems
Data Communications and Software Engineering

IT21 - Common First Year

Common First Year
ITB001 Problem Solving and Programming
ITB002 IT Professional Studies
ITB003 Object Oriented Programming
ITB004 Database Systems
ITB005 Systems Architecture
ITB006 Networks
ITB008 Modelling Analysis and Design
IT Elective Unit

IT21 - Data Communications Major

Data Communications Major
ITB710 Fundamentals of Computer Science
ITB711 Programming Abstraction
ITB720 Internet Protocols and Services
ITB721 Unix Network Administration
ITB722 Network Planning and Deployment
ITB723 Wireless and Mobile Devices
ITB730 Information Security Fundamentals
Five (5) Major Elective Units to be chosen from the IT Elective List

IT21 - Electronic Commerce Major

Electronic Commerce Major
BSB213 Governance Issues in E-Business
ITB007 Web Development
ITB222 Systems Analysis and Design
ITB228 Enterprise Systems
ITB229 Database Design
ITB260 E-Commerce Site Development
ITB720 Internet Protocols and Services
ITB730 Information Security Fundamentals
Four (4) Major Elective Units to be chosen from the IT Elective List

IT21 - Emerging Technologies Major

Emerging Technologies Major
ITB222 Systems Analysis and Design
OR
ITB712 Software Engineering Studies
ITB009 Core Project Initiation
ITB272 Information Technology Project Management
MGB218 Venture Skills
OR
MGB223 Creating New Enterprises
Ten (10) Major Elective Units to be chosen from the IT Elective List

IT21 - Information Systems Major

Information Systems Major
ITB007 Web Development
ITB009 Core Project Initiation
ITB222 Systems Analysis and Design
ITB228 Enterprise Systems
ITB229 Database Design
Seven (7) Major Elective Units to be chosen from the IT Elective List

IT21 - Software Engineering Major

Software Engineering Major
ITB009 Core Project Initiation
ITB710 Fundamentals of Computer Science
ITB711 Programming Abstraction
ITB712 Software Engineering Studies
ITB008 must be completed prior to completing ITB712
ITB720 Internet Protocols and Services
ITB744 Computer Architecture
ITB745 Operating Systems
Five (5) Major Elective Units to be chosen from the IT Elective List

IT21 - Data Communications & Information Systems Major
<table>
<thead>
<tr>
<th>Major/Unit List</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Data Communications &amp; Information Systems Major</strong></td>
</tr>
<tr>
<td>ITB007 Web Development</td>
</tr>
<tr>
<td>ITB222 Systems Analysis and Design</td>
</tr>
<tr>
<td>ITB228 Enterprise Systems</td>
</tr>
<tr>
<td>ITB229 Database Design</td>
</tr>
<tr>
<td>ITB710 Fundamentals of Computer Science</td>
</tr>
<tr>
<td>ITB720 Internet Protocols and Services</td>
</tr>
<tr>
<td>ITB721 Unix Network Administration</td>
</tr>
<tr>
<td>ITB723 Wireless and Mobile Devices</td>
</tr>
<tr>
<td>ITB730 Information Security Fundamentals</td>
</tr>
<tr>
<td>Five (5) Major Elective Units to be chosen from the IT Elective List</td>
</tr>
<tr>
<td><strong>ITB21 - Data Communications &amp; Software Engineering Major</strong></td>
</tr>
<tr>
<td>ITB009 Core Project Initiation</td>
</tr>
<tr>
<td>ITB710 Fundamentals of Computer Science</td>
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<tr>
<td>ITB711 Programming Abstraction</td>
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<tr>
<td>ITB712 Software Engineering Studies</td>
</tr>
<tr>
<td>ITB008 must be completed prior to completion of ITB712</td>
</tr>
<tr>
<td>ITB720 Internet Protocols and Services</td>
</tr>
<tr>
<td>ITB721 Unix Network Administration</td>
</tr>
<tr>
<td>ITB723 Wireless and Mobile Devices</td>
</tr>
<tr>
<td>ITB730 Information Security Fundamentals</td>
</tr>
<tr>
<td>ITB744 Computer Architecture</td>
</tr>
<tr>
<td>ITB745 Operating Systems</td>
</tr>
<tr>
<td>Four (4) Major Elective Units to be chosen from the IT Elective List</td>
</tr>
<tr>
<td><strong>IT Elective Unit List</strong></td>
</tr>
<tr>
<td><strong>Information Technology Elective Unit List</strong></td>
</tr>
<tr>
<td>ITB007 Web Development</td>
</tr>
<tr>
<td>ITB009 Core Project Initiation</td>
</tr>
<tr>
<td>ITB010 Core Project Implementation</td>
</tr>
<tr>
<td>ITB218 Applications Programming</td>
</tr>
<tr>
<td>ITB222 Systems Analysis and Design</td>
</tr>
<tr>
<td>ITB223 Software Development with ORACLE</td>
</tr>
<tr>
<td>ITB228 Enterprise Systems</td>
</tr>
<tr>
<td>ITB229 Database Design</td>
</tr>
<tr>
<td>ITB230 Project</td>
</tr>
<tr>
<td>ITB232 Database Management</td>
</tr>
<tr>
<td>ITB233 Enterprise Systems Applications</td>
</tr>
<tr>
<td>ITB237 Advanced Databases</td>
</tr>
<tr>
<td>ITB239 Enterprise Data Mining</td>
</tr>
<tr>
<td>ITB241 Information Technology Management</td>
</tr>
<tr>
<td>ITB254 Interaction Design</td>
</tr>
<tr>
<td>ITB245 R/3 System Administration</td>
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<tr>
<td>ITB257 Multimedia Systems</td>
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<tr>
<td>ITB259 Advanced Multimedia Systems</td>
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<tr>
<td>ITB260 E-Commerce Site Development</td>
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<tr>
<td>ITB264 Information Systems Consulting</td>
</tr>
<tr>
<td>ITB266 Information Management</td>
</tr>
<tr>
<td>ITB267 Business Analytics</td>
</tr>
<tr>
<td>ITB272 Information Technology Project Management</td>
</tr>
<tr>
<td>ITB294 Information Quality</td>
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<tr>
<td>ITB295 XML: Data and Document Processing</td>
</tr>
<tr>
<td>ITB298 Business Process Engineering</td>
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<tr>
<td>ITB322 Information Resources</td>
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<td>ITB710 Fundamentals of Computer Science</td>
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<tr>
<td>ITB711 Programming Abstraction</td>
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<tr>
<td>ITB712 Software Engineering Studies</td>
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<tr>
<td>ITB713 Advanced Java Programming</td>
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<tr>
<td>ITB715 Web Services</td>
</tr>
<tr>
<td>ITB716 Advanced Web Applications Development</td>
</tr>
<tr>
<td>ITB717 Enterprise Software Architecture</td>
</tr>
<tr>
<td>ITB720 Internet Protocols and Services</td>
</tr>
<tr>
<td>ITB721 Unix Network Administration</td>
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<tr>
<td>ITB722 Network Planning and Deployment</td>
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<tr>
<td>ITB723 Wireless and Mobile Devices</td>
</tr>
<tr>
<td>ITB730 Information Security Fundamentals</td>
</tr>
<tr>
<td>ITB731 Security Technologies</td>
</tr>
<tr>
<td>ITB732 Cryptology and Protocols</td>
</tr>
<tr>
<td>ITB733 Network Security</td>
</tr>
<tr>
<td>ITB740 Agent Based Software Engineering</td>
</tr>
<tr>
<td>ITB741 Information Retrieval Technology</td>
</tr>
<tr>
<td>ITB742 Computational Intelligence</td>
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<tr>
<td>ITB743 Artificial Intelligence</td>
</tr>
<tr>
<td>ITB744 Computer Architecture</td>
</tr>
<tr>
<td>ITB745 Operating Systems</td>
</tr>
<tr>
<td>ITB746 Modelling and Animation Techniques</td>
</tr>
<tr>
<td>ITB747 Real Time Rendering Techniques</td>
</tr>
<tr>
<td>ITB748 Configurable Computing</td>
</tr>
<tr>
<td>ITB749 Scientific Programming</td>
</tr>
<tr>
<td>ITB750 Computer Game Studies</td>
</tr>
<tr>
<td>ITB751 Games Production</td>
</tr>
<tr>
<td>ITS02 Ccna 3 &amp; 4: Switching and Wide Area Networking</td>
</tr>
<tr>
<td>ITS03 Ccnp 1: Advanced Routing</td>
</tr>
<tr>
<td>ITS04 Ccnp 2: Remote Access Networks</td>
</tr>
<tr>
<td>ITS05 Ccnp 3: Multilayer Switching</td>
</tr>
<tr>
<td>ITS06 Ccnp 4: Network Troubleshooting</td>
</tr>
<tr>
<td>ITS07-1 Securing Cisco Hardware</td>
</tr>
<tr>
<td>ITS07-2 Securing Cisco Hardware</td>
</tr>
<tr>
<td>MAB281 Mathematics for Computer Graphics</td>
</tr>
</tbody>
</table>
Please check with the relevant School for further information on Special Topics.

**Potential Careers:**

- Computer Games Developer
- Computer Salesperson/Marketer
- Computer Systems Engineer
- Data Communications Specialist
- Database Manager
- Electronic Commerce Developer
- Internet Professional
- Network Administrator
- Network Manager
- Programmer
- Software Engineer
- Systems Analyst
- Systems Manager
- Systems Programmer
- Technical Officer
- Web Designer
Bachelor of Information Technology (IT22)

Year offered: 2007
Admissions: Yes
CRICOS code: 012656E
Course duration (full-time): 3 years
Course duration (part-time): 6 years (not available at Carseldine)
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition $160 per credit point (subject to annual review)
Domestic fees (indicative): 2007: Full fee tuition $15,360; CSP $7,105
International Fees (per semester): 2007: $9,000 per semester (subject to annual review)
Domestic Entry: February and July* (* Gardens Point campus only)
International Entry: February, July and October (Conditions apply for October entry)
QTAC code: Gardens Point campus: 416801; Dfee: 416806. Carseldine campus: 446802; Dfee: 446806
Past rank cut-off: 72 (both campuses). Dfee: 68 (both campuses)
Past OP cut-off: 13 (both campuses). Dfee: 15 (both campuses)
OP Guarantee: Yes
Assumed knowledge: English (4, SA) and Maths A, B or C (4, SA)
Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com
Total credit points: 288
Course coordinator: Ruth Christie
Campus: Gardens Point and Carseldine

Career Outcomes
IT is now an integral part of all commercial, industrial and government activities. A graduate may find employment as a: Programmer, Software Engineer, Systems Programmer, Computer Scientist, Systems Analyst, Data Communications Specialist, Information Manager, Electronic Commerce Developer, Games Developer, Multimedia Specialist, Network Administrator, Database Manager, Web Developer.

For information on the above job descriptions, visit IT Skills Hub.

Course Design
In response to the ever-changing IT industry, the new Bachelor of IT provides a strong theoretical and practical grounding on which students can build to advance their own unique career aspirations. A key feature of the program is greater flexibility for students to complement their IT studies with a related discipline (eg Business, Creative Industries, Science), all within three years.

The new Bachelor of Information Technology course structure allows students to have more options in building their IT skill-sets and complementing these skills from other professional disciplines. The Faculty is also introducing new IT content in-line with the new Bachelor course structure. The core component of the new degree extends across all three years of the degree. Specialisations which allow students to hone their skills in an advanced area of IT are more compact and better focused. Students also have the opportunity to commence the combination of their IT studies with non-IT disciplines from the earliest stage in their course. This permits greater depth of skills in such areas. This course is designed to ensure graduates are industry ready and future proof.

IT22 is only available to international students at Gardens Point campus.

Credit for Previous Study
Domestic and international applicants may claim credit for part of the degree, on the basis of completed or partially completed studies, related to the Bachelor of IT.

International students can access advanced standing arrangements on QUT's international site.

Domestic applicants should view the credit information on the Student Services site.

Professional Recognition
Graduates of the Bachelor of Information Technology meet the knowledge requirement for admission to the Australian Computer Society (ACS) as members.

Cooperative Education Program
The Cooperative Education Program is a joint venture between employers and educators to better prepare students for employment upon graduation. Students have the opportunity to undertake 10-12 months of paid industry employment between the second and third years of an IT degree.

Students' entry to the program is based on academic performance in the first two years of their undergraduate studies. Companies that QUT's Cooperative Education students have worked with include Energex, Boeing, CITEC, CSC Mining, Environmental Protection Agency, Dialog, UNiTAB, RACQ and many Queensland Government departments.

More information is available on the Cooperative Education website.

Please note this program is only offered to Australian residents and permanent residents.

Scholarships
Year 12 students who obtain an OP score of two or better are eligible to apply for the Dean's Scholars Program

The Faculty also offers the Go for IT gURL Merit Scholarships to Queensland Year 12 female students...
wishing to study IT.

Find out more on our range of scholarships.

Deferment
QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Bachelor of Information Technology

Course Structure
The course structure consists of 10 Faculty Core Studies Units (Block A), 6 Major Units (Block B) and 8 Complementary Studies Area Units (Block C).

Eight (8) Block A units are completed in the first year, while the remaining two (2) Block A units are completed later in the course.

Block C Complementary Studies Area (8 units): Students choose the composition which may include: a second IT Major (6 units) or an approved minor (4 units) and 4 electives or 8 specified electives as approved by the Course Coordinator.

Recommended Core Unit Progression

Year 1, Semester 1
ITB001 Problem Solving and Programming
ITB002 IT Professional Studies
ITB004 Database Systems
ITB005 Systems Architecture

Year 1, Semester 2
ITB003 Object Oriented Programming
ITB006 Networks
ITB007 Web Development
ITB008 Modelling Analysis and Design

Year 2, Semester 1
Block B or Block C Unit
Block B or Block C Unit
Block B or Block C Unit
Block B or Block C Unit

Year 2, Semester 2
ITB009 Core Project Initiation
Block B or Block C Unit
Block B or Block C Unit

Block B or Block C Unit

Year 3, Semester 1
ITB010 Core Project Implementation
Block B or Block C Unit
Block B or Block C Unit
Block B or Block C Unit

Year 3, Semester 2
Block B or Block C Unit
Block B or Block C Unit
Block B or Block C Unit
Block B or Block C Unit

IT22 Bachelor of Information Technology Course structure (Carseldine)

Course Structure
First year only is offered at Carseldine. Students complete remainder of course at Gardens Point.

The course structure consists of 10 Faculty Core Studies Units (Block A), 6 Major Units (Block B) and 8 Complementary Studies Area Units (Block C).

Eight (8) Block A units are completed in the first year. While the remaining two (2) Block A units are completed later in the course.

Block C Complementary Studies Area (8 units): Students choose the composition which may include: a second IT Major (6 units) or an approved minor (4 units) and 4 electives or 8 specified electives as approved by the Course Coordinator.

Year 1, Semester 1
ITB001 Problem Solving and Programming
ITB002 IT Professional Studies
ITB004 Database Systems
ITB005 Systems Architecture

Year 1, Semester 2
ITB003 Object Oriented Programming
ITB008 Modelling Analysis and Design
ITB006 Networks
OR
Block C Unit
ITB007 Web Development
OR
Block C Unit
ITB006 and ITB007 are only offered at Gardens Point Campus.

Business Systems Engineering Major

Compulsory Units
### INFORMATION TECHNOLOGY

#### ITB222 Systems Analysis and Design
#### ITB228 Enterprise Systems
#### ITB245 R/3 System Administration
#### ITB298 Business Process Engineering

**IS Elective Units**  
Select two (2) units from the following list  
- ITB218 Applications Programming  
- ITB223 Software Development with ORACLE  
- ITB230 Project  
- ITB237 Advanced Databases  
- ITB245 R/3 System Administration  
- ITB255 Knowledge Management  
- ITB266 Information Management  
- ITB267 Business Analytics  
- ITB272 Information Technology Project Management  
- ITB294 Information Quality  
- ITB322 Information Resources

#### Databases Major

**Compulsory Units**  
- ITB229 Database Design  
- ITB232 Database Management  
- ITB239 Enterprise Data Mining  
- ITB295 XML: Data and Document Processing

**IS Elective Units**  
Select two (2) units from the following list  
- ITB218 Applications Programming  
- ITB223 Software Development with ORACLE  
- ITB230 Project  
- ITB237 Advanced Databases  
- ITB266 Information Management  
- ITB267 Business Analytics  
- ITB272 Information Technology Project Management  
- ITB294 Information Quality  
- ITB322 Information Resources

#### Electronic Business Major

**Compulsory Units**  
- ITB233 Enterprise Systems Applications  
- ITB239 Enterprise Data Mining  
- ITB260 E-Commerce Site Development  
- BSB212 Electronic Business Applications  
- BSB213 Governance Issues in E-Business  
- BSB314 E-Business Intelligence

#### Information and Knowledge Management Major

Please contact the Course Coordinator for enrolment advice

#### Information Systems Major

**Compulsory Units**  
- ITB228 Enterprise Systems  
- ITB229 Database Design  
- ITB260 E-Commerce Site Development

**IS Elective Units**  
Select two (2) units from the following list  
- ITB218 Applications Programming  
- ITB223 Software Development with ORACLE  
- ITB230 Project  
- ITB237 Advanced Databases  
- ITB266 Information Management  
- ITB267 Business Analytics  
- ITB272 Information Technology Project Management  
- ITB294 Information Quality  
- ITB322 Information Resources

#### Information Technology Management Major

**Compulsory Units**  
- ITB222 Systems Analysis and Design  
- ITB241 Information Technology Management  
- ITB264 Information Systems Consulting  
- ITB272 Information Technology Project Management

**IS Elective Units**  
Select two (2) units from the following list  
- ITB218 Applications Programming  
- ITB223 Software Development with ORACLE  
- ITB230 Project  
- ITB237 Advanced Databases  
- ITB266 Information Management  
- ITB267 Business Analytics  
- ITB272 Information Technology Project Management  
- ITB294 Information Quality  
- ITB322 Information Resources

#### Games Technology Major

**Compulsory Units**  
- ITB711 Programming Abstraction  
- ITB743 Artificial Intelligence  
- ITB746 Modelling and Animation Techniques  
- ITB747 Real Time Rendering Techniques  
- ITB749 Scientific Programming  
- MAB281 Mathematics for Computer Graphics

Please contact the Course Coordinator for enrolment advice.
Intelligent Systems Major

Compulsory Units
- ITB239 Enterprise Data Mining
- ITB295 XML: Data and Document Processing
- ITB740 Agent Based Software Engineering
- ITB741 Information Retrieval Technology

Elective Units
- Select two (2) units from the following list
  - ITB322 Information Resources
  - ITB710 Fundamentals of Computer Science
  - ITB715 Web Services
  - ITB742 Computational Intelligence
  - ITB743 Artificial Intelligence

Software Architecture Major

Compulsory Units
- ITB229 Database Design
- ITB710 Fundamentals of Computer Science
- ITB711 Programming Abstraction
- ITB712 Software Engineering Studies
- ITB713 Advanced Java Programming
- ITB717 Enterprise Software Architecture

Web Services and Applications Major

Compulsory Units
- ITB254 Interaction Design
- ITB257 Multimedia Systems
- ITB259 Advanced Multimedia Systems
- KIB101 Foundations of Communication Design 1
- KIB102 Foundations of Communication Design 2

Elective Units
- Select one (1) unit from the following list
  - KIB103 Media Technology 1
  - KIB105 Animation and Motion Graphics
  - KIB108 Animation Practices

Interactive Media Major

Compulsory Units
- ITB254 Interaction Design
- ITB257 Multimedia Systems
- ITB259 Advanced Multimedia Systems
- KIB101 Foundations of Communication Design 1
- KIB102 Foundations of Communication Design 2

Elective Units
- Select one (1) unit from the following list
  - KIB103 Media Technology 1
  - KIB105 Animation and Motion Graphics
  - KIB108 Animation Practices

Network Systems Major

Compulsory Units
- ITB720 Internet Protocols and Services
- ITB721 Unix Network Administration
- ITB722 Network Planning and Deployment

Elective Units
- Select three (3) units from the following list
  - ITB710 Fundamentals of Computer Science
  - ITB723 Wireless and Mobile Devices
  - ITB745 Operating Systems
  - ITS701 Ccna 1 & 2: Internetworking and Routing Basics
  - ITS702 Ccna 3 & 4: Switching and Wide Area Networking

Security Major

Compulsory Units
- ITB720 Internet Protocols and Services

Potential Careers:
Bachelor of Information Technology & Bachelor of Information Technology (Honours) - Dean's Scholars Accelerated Honours Program (IT22)

Year offered: 2007
Admissions: Yes
CRICOS code: 012656E / 017323G
Course duration (full-time): 3 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: $160 per credit point (subject to annual review)
Domestic fees (indicative): 2007: Full fee tuition $15,360; CSP $7,105
QTAC code: 416002
Past rank cut-off: 98. Also see entry requirements
Past OP cut-off: 2. Also see entry requirements
Assumed knowledge: English (4, VHA) and for embedded systems, games technology and security Maths B (4, SA), or for all other majors Maths A, B or C (4, SA)
Course coordinator: Ruth Christie
Campus: Gardens Point

Why choose this course?
The Dean's Scholars Program is one of its kind in Queensland positioning QUT as a leader in Information Technology. It is an accelerated program of study offering a real edge to IT students as it allows you to complete an undergraduate degree and an Honours degree in three (3) years.

A goal of the Dean's Scholars Program is to introduce high-achieving students to information technology research, via the Honours pathway.

The accelerated program is designed specifically for students with an Overall Position (OP) of 1 or 2 (or interstate equivalent), and who can also demonstrate active involvement in their school and local community activities.

Who should apply?
The program is offered to applicants currently undertaking Year 12 studies at a secondary school, and who achieves an Overall Position (OP) of 1 or 2 (or interstate equivalent).

Entry Requirements
Applicants must be outstanding current, or returning from a gap year, Year 12 students who completed their Year 12 education in Australia.

Additional Entry Requirements
Information Technology Dean's Scholars applicants are required to complete an online questionnaire which will be available at addentry.qut.com in late August. Shortlisted applicants may be required to attend an interview (in December) and will be notified of date and venue after the questionnaire closes.

The due date to submit the questionnaire is 28 September 2007. Late submissions will be accepted up until 30 November. Submissions after 30 November will not be accepted.

Fixed Closing Date
Applications for this program will close on 30 November.

Scholarships
Domestic applicants offered a place in the Dean's Scholars Program will have their undergraduate HECS paid by the Faculty and those proceeding to Honour's level will also receive full HECS support.

International students enrolled in the Dean's Scholars Program will have a third of their tuition fees paid by the Faculty for the undergraduate and Honours program. Students are responsible for the cost of their student guild fees and all other costs associated with their program.

Cooperative Education Program
Students wishing to participate in the Cooperative Education Program should be aware that they will not receive financial support for the duration of the placement.

OP Guarantee
The OP Guarantee does not apply to this program.

Professional Recognition
As a graduate of the Dean's Scholars Program you will be qualified for professional accreditation and employment in fields relevant to your specialisation.

Deferment
QUT's deferment policy does not apply to this course.

International Student Entry
To be eligible to enrol in the Honours program, students must demonstrate appropriate levels of achievement in the Bachelor of Information Technology course. Offers in the Honours program will be made conditionally on the student maintaining a GPA of 5.5 in the Bachelor of Information Technology component to be eligible to continue to the Bachelor of Information Technology (Honours). It is expected that many Dean's Scholars will proceed to PhD studies. However, students have the option of exiting after the Bachelor of Information Technology (2.5yrs).

Domestic student tuition fee (Dfee) places
Undergraduate domestic full fee places (Dfee) are not available in this course. Tuition fees are only applicable to currently enrolled students who were unable to comply regulations regarding their original Commonwealth Supported place (i.e. failure to lodge an eCAF, has consumed of other their Student Learning Entitlement etc.) and who have been invited and accepted to continue as a fee-paying student.

Bachelor of Information Technology
### Course Structure

The course structure consists of 10 Faculty Core Studies Units (Block A), 6 Major Units (Block B) and 8 Complementary Studies Area Units (Block C).

Eight (8) Block A units are completed in the first year. While the remaining two (2) Block A units are completed later in the course.

### Recommended Core Unit Progression

#### Year 1, Semester 1
- ITB001 Problem Solving and Programming
- ITB002 IT Professional Studies
- ITB004 Database Systems
- ITB005 Systems Architecture

#### Year 1, Semester 2
- ITB003 Object Oriented Programming
- ITB006 Networks
- ITB007 Web Development
- ITB008 Modelling Analysis and Design

#### Year 2, Semester 1
- Block B or Block C Unit
- Block B or Block C Unit
- Block B or Block C Unit
- Block B or Block C Unit

#### Year 2, Semester 2
- ITB009 Core Project Initiation
- Block B or Block C Unit
- Block B or Block C Unit
- Block B or Block C Unit
- Block B or Block C Unit

#### Year 2, Summer
- ITB010 Core Project Implementation
  Undertaken over four (4) weeks.

#### Year 3, Semester 1
- Block B or Block C Unit
- Block B or Block C Unit
- Block B or Block C Unit
- Block B or Block C Unit
- ITN Unit

#### Year 3, Semester 2
- ITN100 Introduction to Research
- ITN Elective
- ITN Elective
- ITN150-1 Honours Dissertation

### Year 3, Summer
- ITN150-2 Honours Dissertation
- ITN150-3 Honours Dissertation
- ITN150-4 Honours Dissertation

### Business Systems Engineering Major

#### Compulsory Units
- ITB222 Systems Analysis and Design
- ITB228 Enterprise Systems
- ITB245 R/3 System Administration
- ITB298 Business Process Engineering

#### IS Elective Units
- Select two (2) units from the following list
- ITB218 Applications Programming
- ITB223 Software Development with ORACLE
- ITB230 Project
- ITB237 Advanced Databases
- ITB245 R/3 System Administration
- ITB255 Knowledge Management
- ITB266 Information Management
- ITB267 Business Analytics
- ITB272 Information Technology Project Management
- ITB294 Information Quality
- ITB322 Information Resources

### Databases Major

#### Compulsory Units
- ITB229 Database Design
- ITB232 Database Management
- ITB239 Enterprise Data Mining
- ITB295 XML: Data and Document Processing

#### IS Elective Units
- Select two (2) units from the following list
- ITB218 Applications Programming
- ITB223 Software Development with ORACLE
- ITB230 Project
- ITB237 Advanced Databases
- ITB245 R/3 System Administration
- ITB255 Knowledge Management
- ITB266 Information Management
- ITB267 Business Analytics
- ITB272 Information Technology Project Management
- ITB294 Information Quality
- ITB322 Information Resources

### Electronic Business Major

#### Compulsory Units
- ITB295 XML: Data and Document Processing
### Compulsory Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB233</td>
<td>Enterprise Systems Applications</td>
</tr>
<tr>
<td>ITB239</td>
<td>Enterprise Data Mining</td>
</tr>
<tr>
<td>ITB260</td>
<td>E-Commerce Site Development</td>
</tr>
<tr>
<td>BSB212</td>
<td>Electronic Business Applications</td>
</tr>
<tr>
<td>BSB213</td>
<td>Governance Issues in E-Business</td>
</tr>
<tr>
<td>BSB314</td>
<td>E-Business Intelligence</td>
</tr>
</tbody>
</table>

### Games Technology Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB711</td>
<td>Programming Abstraction</td>
</tr>
<tr>
<td>ITB743</td>
<td>Artificial Intelligence</td>
</tr>
<tr>
<td>ITB746</td>
<td>Modelling and Animation Techniques</td>
</tr>
<tr>
<td>ITB747</td>
<td>Real Time Rendering Techniques</td>
</tr>
<tr>
<td>ITB749</td>
<td>Scientific Programming</td>
</tr>
<tr>
<td>MAB281</td>
<td>Mathematics for Computer Graphics</td>
</tr>
</tbody>
</table>

### Information and Knowledge Management Major

Please contact the Course Coordinator for enrolment advice.

### Information Systems Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB228</td>
<td>Enterprise Systems</td>
</tr>
<tr>
<td>ITB229</td>
<td>Database Design</td>
</tr>
<tr>
<td>ITB260</td>
<td>E-Commerce Site Development</td>
</tr>
</tbody>
</table>

### IS Elective Units

Select two (2) units from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB218</td>
<td>Applications Programming</td>
</tr>
<tr>
<td>ITB223</td>
<td>Software Development with ORACLE</td>
</tr>
<tr>
<td>ITB230</td>
<td>Project</td>
</tr>
<tr>
<td>ITB237</td>
<td>Advanced Databases</td>
</tr>
<tr>
<td>ITB266</td>
<td>Information Management</td>
</tr>
<tr>
<td>ITB267</td>
<td>Business Analytics</td>
</tr>
<tr>
<td>ITB294</td>
<td>Information Quality</td>
</tr>
<tr>
<td>ITB322</td>
<td>Information Resources</td>
</tr>
</tbody>
</table>

### Information Technology Management Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB222</td>
<td>Systems Analysis and Design</td>
</tr>
<tr>
<td>ITB241</td>
<td>Information Technology Management</td>
</tr>
<tr>
<td>ITB264</td>
<td>Information Systems Consulting</td>
</tr>
<tr>
<td>ITB272</td>
<td>Information Technology Project Management</td>
</tr>
</tbody>
</table>

### IS Elective Units

Select two (2) units from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB218</td>
<td>Applications Programming</td>
</tr>
<tr>
<td>ITB223</td>
<td>Software Development with ORACLE</td>
</tr>
</tbody>
</table>

### Intelligent Systems Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB239</td>
<td>Enterprise Data Mining</td>
</tr>
<tr>
<td>ITB245</td>
<td>R/3 System Administration</td>
</tr>
<tr>
<td>ITB255</td>
<td>Knowledge Management</td>
</tr>
<tr>
<td>ITB266</td>
<td>Information Management</td>
</tr>
<tr>
<td>ITB267</td>
<td>Business Analytics</td>
</tr>
<tr>
<td>ITB272</td>
<td>Information Technology Project Management</td>
</tr>
<tr>
<td>ITB294</td>
<td>Information Quality</td>
</tr>
<tr>
<td>ITB322</td>
<td>Information Resources</td>
</tr>
</tbody>
</table>

### Compulsory Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB239</td>
<td>Enterprise Data Mining</td>
</tr>
<tr>
<td>ITB295</td>
<td>XML: Data and Document Processing</td>
</tr>
<tr>
<td>ITB740</td>
<td>Agent Based Software Engineering</td>
</tr>
<tr>
<td>ITB741</td>
<td>Information Retrieval Technology</td>
</tr>
</tbody>
</table>

### Elective Units

Select two (2) units from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB322</td>
<td>Information Resources</td>
</tr>
<tr>
<td>ITB710</td>
<td>Fundamentals of Computer Science</td>
</tr>
<tr>
<td>ITB715</td>
<td>Web Services</td>
</tr>
<tr>
<td>ITB742</td>
<td>Computational Intelligence</td>
</tr>
<tr>
<td>ITB743</td>
<td>Artificial Intelligence</td>
</tr>
</tbody>
</table>

### Interactive Media Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB254</td>
<td>Interaction Design</td>
</tr>
<tr>
<td>ITB257</td>
<td>Multimedia Systems</td>
</tr>
<tr>
<td>ITB259</td>
<td>Advanced Multimedia Systems</td>
</tr>
<tr>
<td>KIB101</td>
<td>Foundations of Communication Design 1</td>
</tr>
<tr>
<td>KIB102</td>
<td>Foundations of Communication Design 2</td>
</tr>
</tbody>
</table>

### Elective Units

Select one (1) unit from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIB103</td>
<td>Media Technology 1</td>
</tr>
<tr>
<td>KIB105</td>
<td>Animation and Motion Graphics</td>
</tr>
<tr>
<td>KIB108</td>
<td>Animation Practices</td>
</tr>
</tbody>
</table>

### Network Systems Major

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB720</td>
<td>Internet Protocols and Services</td>
</tr>
<tr>
<td>ITB721</td>
<td>Unix Network Administration</td>
</tr>
<tr>
<td>ITB722</td>
<td>Network Planning and Deployment</td>
</tr>
</tbody>
</table>

### Elective Units

Select three (3) units from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB710</td>
<td>Fundamentals of Computer Science</td>
</tr>
<tr>
<td>ITB723</td>
<td>Wireless and Mobile Devices</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>ITB745</td>
<td>Operating Systems</td>
</tr>
<tr>
<td>ITS701</td>
<td>Ccna 1 &amp; 2: Internetworking and Routing Basics</td>
</tr>
<tr>
<td>ITS702</td>
<td>Ccna 3 &amp; 4: Switching and Wide Area Networking</td>
</tr>
</tbody>
</table>

**Security Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB720</td>
<td>Internet Protocols and Services</td>
</tr>
<tr>
<td>ITB721</td>
<td>Unix Network Administration</td>
</tr>
<tr>
<td>ITB730</td>
<td>Information Security Fundamentals</td>
</tr>
<tr>
<td>ITB731</td>
<td>Security Technologies</td>
</tr>
<tr>
<td>ITB732</td>
<td>Cryptology and Protocols</td>
</tr>
<tr>
<td>ITB733</td>
<td>Network Security</td>
</tr>
</tbody>
</table>

**Software Architecture Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB229</td>
<td>Database Design</td>
</tr>
<tr>
<td>ITB710</td>
<td>Fundamentals of Computer Science</td>
</tr>
<tr>
<td>ITB711</td>
<td>Programming Abstraction</td>
</tr>
<tr>
<td>ITB712</td>
<td>Software Engineering Studies</td>
</tr>
<tr>
<td>ITB713</td>
<td>Advanced Java Programming</td>
</tr>
<tr>
<td>ITB717</td>
<td>Enterprise Software Architecture</td>
</tr>
</tbody>
</table>

**Web Services and Applications Major**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB254</td>
<td>Interaction Design</td>
</tr>
<tr>
<td>ITB260</td>
<td>E-Commerce Site Development</td>
</tr>
<tr>
<td>ITB295</td>
<td>XML: Data and Document Processing</td>
</tr>
<tr>
<td>ITB716</td>
<td>Advanced Web Applications Development</td>
</tr>
<tr>
<td>ITB717</td>
<td>Enterprise Software Architecture</td>
</tr>
<tr>
<td>ITB715</td>
<td>Web Services</td>
</tr>
</tbody>
</table>
Bachelor of Information Technology (Honours) (IT28)

Year offered: 2007
Admissions: Yes
CRICOS code: 017323G
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: $160 per credit point (subject to annual review)
Domestic fees (indicative): 2007 Full fee tuition $15,360; CSP $7,114
International Fees (per semester): 2007:$9,500 per semester (subject to annual review)
Domestic Entry: February and July
International Entry: February and July
Total credit points: 96
Course coordinator: Dr Wayne Kelly
Campus: Gardens Point

Overview

Through a combination of research and advanced coursework units students can pursue specialised studies in a particular area of information technology. The course offers the opportunity to: develop research and development skills, work on cutting-edge technology, and have access to specialist hardware and software. As a successful Honours graduate you are eligible to start a doctoral program, and can expect to obtain a research or teaching position. A wider range of career opportunities are available.

Entry requirements

A Bachelor of Information Technology from QUT or its equivalent, completed within 18 months prior to enrolment with a minimum grade point average of 5 on a 7-point scale or its equivalent OR demonstrated outstanding performance in the final year of the degree OR work experience or research considered appropriate by the Course Coordinator.

The "Accelerated" Honours Program

The 'Accelerated Honours' program has been structured to provide an incentive for high achieving Bachelor of Information Technology (IT21 or IT22) students to continue into the Faculty's Honours Program. See IT29 for further information.

Notes

Duration
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.

Unsatisfactory Progress
Failure to make satisfactory progress with either the course work component of an Honours program or with the dissertation, or both, may lead to exclusion from the program.

Unsatisfactory progress consists of:
- receiving a grade of less than 4 (or Satisfactory, where applicable) in one unit of the course work component.
- failure to make sufficient progress with the dissertation component, in the opinion of the Dean.

A student who is excluded from or otherwise fails to complete an Honours program will not normally be readmitted to that program.

Assessment
The minimum grade which may be credited towards an Honours degree is 4 (or Satisfactory, where applicable). 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 the examiners before final printing and binding. 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.

Determination of Level of Honours Awards

The Faculty Academic Board will determine the level of Honours awarded. 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 dissertation:

- Honours 1 - First Class Honours
- Honours 2A - Second Class Honours, Division A
- Honours 2B - Second Class Honours, Division B
- Honours 3 - Third Class Honours

The level of Honours award is to be determined by guidelines, as follows:
- Honours 1 - GPA 6.50-7.00, or equivalent
- Honours 2A - GPA 5.50-6.49, or equivalent
- Honours 2B - GPA 4.50-5.49, or equivalent
- Honours 3 - GPA 4.00-4.49, or equivalent

A candidate who does not reach the standard required for Honours 3 remains with a pass degree.

Further Information

If you require further information, visit the Faculty's Home Page: www.fit.qut.edu.au, email: enquiry.fit@qut.edu.au or telephone: 07 38642782

IT28 - Bachelor of Information Technology (Honours)

<table>
<thead>
<tr>
<th>FULL TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1, Semester 1</td>
</tr>
<tr>
<td>ITN100 Introduction to Research</td>
</tr>
<tr>
<td>ITN150-1 Honours Dissertation</td>
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<tr>
<td>Elective</td>
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</table>

<table>
<thead>
<tr>
<th>PART TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1, Semester 1</td>
</tr>
<tr>
<td>ITN150-2 Honours Dissertation</td>
</tr>
<tr>
<td>ITN150-3 Honours Dissertation</td>
</tr>
<tr>
<td>ITN150-4 Honours Dissertation</td>
</tr>
<tr>
<td>Elective</td>
</tr>
</tbody>
</table>
ITN100  Introduction to Research
ITN150-1 Honours Dissertation

**Year 1, Semester 2**
ITN150-2 Honours Dissertation
Elective

**Year 2, Semester 1**
ITN150-3 Honours Dissertation
Elective

**Year 2, Semester 2**
ITN150-4 Honours Dissertation
Elective

Elective Units - Students should choose from
the list of advanced level postgraduate units.
Normally units are undertaken in the area of
the student's undergraduate major. Students
wishing to enrol in a unit other than those listed
should contact the Course Coordinator.

Full-time students should be aware many
electives may be offered evenings only.

### IT Honours Elective Units

**Elective units**

Elective units should normally be chosen from
the following list of approved honours electives. At
least one of your three electives must be
chosen from the list of Advanced Honours
Electives. You may enrol in at most one unit
not listed below (including units offered by
other Faculties) if your supervisor submits a
request to the course coordinator indicating
that said unit will directly support your honours
dissertation. Please note that many units are
only offered once per year and many have
prerequisite requirements, so you will need to
carefully plan ahead. If you require assistance
in selecting suitable units from the lists below,
please discuss it with your supervisor and
course coordinator as soon as possible.

### Approved Honours Electives

- **ITN233** Enterprise Systems Applications
- **ITN237** Advanced Databases
- **ITN239** Enterprise Data Mining
- **ITN241** Information Technology Management
- **ITN245** R/3 Systems Administration
- **ITN254** Interactivity Design
- **ITN255** Knowledge Management
- **ITN257** Multimedia Systems
- **ITN260** E-Commerce Site Development
- **ITN264** Information Systems Consulting
- **ITN267** Business Analytics
- **ITN272** Information Technology Project Management
- **ITN295** XML: Data and Document Processing
- **ITN298** Process Engineering
- **ITN713** Advanced Java Programming
- **ITN715** Web Services
- **ITN716** Advanced Web Applications Development
- **ITN717** Enterprise Software Architecture
- **ITN722** Network Planning and Deployment
- **ITN723** Wireless and Mobile Networks
- **ITN731** Security Technologies
- **ITN733** Network Security
- **ITN740** Agent Based Software Engineering
- **ITN741** Information Retrieval Technology
- **ITN742** Computational Intelligence
- **ITN746** Modelling and Animation Techniques
- **ITN748** Configurable Computing
- **ITN751** Games Production
- **ITN232** Database Management
- **ITN253** Case Studies In Enterprise Systems
- **ITN259** Advanced Multimedia Systems
- **ITN747** Real Time Rendering Techniques
- **ITN761** SEDC Special Topic 1
- **ITN765** SEDC Special Topic 5
- **ITN770** Internationalisation of Software
- **ITN771** Advanced Network Management
- **ITN773** Trusted Systems
- **ITN774** Computer Forensics

### Potential Careers:
- Computer Games Developer, Data Communications Specialist, Database Manager, Electronic Commerce Developer, Internet Professional, Journalist, Network Administrator, Network Manager, Programmer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer, Web Designer.
Bachelor of Information Technology (Honours) - Accelerated Program (IT29)

Year offered: 2007
Admissions: Yes
CRICOS code: 017323G
Course duration (full-time): 2 semesters

Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007 $160 per credit point (subject to annual review)
Domestic fees (indicative): 2007 Full fee tuition $15360
International Fees (per semester): 2007:$9,500 per semester (subject to annual review)

Domestic Entry: February and July
International Entry: February and July
Total credit points: 96
Course coordinator: Dr Wayne Kelly
Campus: Gardens Point

Overview

Through a combination of research and advanced coursework units students can pursue specialised studies in a particular area of information technology. The course offers the opportunity to: develop research and development skills, work on cutting-edge technology, and have access to specialist hardware and software. As a successful Honours graduate you are eligible to start a doctoral program, and can expect to obtain a research or teaching position. A wider range of career opportunities are available.

The 'Accelerated Honours' program has been structured to provide an incentive for high achieving Bachelor of Information Technology (IT21 or IT22) students to continue into the Faculty's Honours Program. The incentives include:

1. The student is approved to undertake a concurrent enrolment in the final semester of IT21/IT22 Bachelor of Information Technology, that is to say, the student may enrol in IT21/IT22 Bachelor of Information Technology and IT29 Honours.

2. 12 credit points will be credited towards Block 3 electives in IT21/IT22 Bachelor of Information Technology on the basis of coursework studies completed in IT29 Honours.

3. The student is able to complete a four year program within 3 1/2 years.

Please note: tuition fees normally apply for Summer enrolment

Notes

Assessment

The minimum grade which may be credited towards an Honours degree is 4 (or Satisfactory, where applicable). 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 the examiners before final printing and binding.

Dissertations will be examined by an examining committee appointed by the Dean and consisting of a 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.

Determination of Level of Honours Awards

The Faculty Academic Board will determine the level of Honours awarded.

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 dissertation:

- Honours 1 - First Class Honours
- Honours 2A - Second Class Honours, Division A
- Honours 2B - Second Class Honours, Division B
- Honours 3 - Third Class Honours

The level of Honours award is to be determined by guidelines, as follows:

- Honours 1 - GPA 6.50-7.00, or equivalent
- Honours 2A - GPA 5.50-6.49, or equivalent
- Honours 2B - GPA 4.50-5.49, or equivalent
- Honours 3 - GPA 4.00-4.49, or equivalent

A candidate who does not reach the standard required for Honours 3 remains with a pass degree.

 Unsatisfactory Progress

Failure to make satisfactory progress with either the course work component of an Honours program or with the dissertation, or both, may lead to exclusion from the program.

Unsatisfactory progress consists of:
- receiving a grade of less than 4 (or Satisfactory, where applicable) in one unit of the course work component.
- failure to make sufficient progress with the dissertation component, in the opinion of the Dean.

A student who is excluded from or otherwise fails to complete an Honours program will not normally be readmitted to that program.

IT29 - Bachelor of Information Technology (Honours) - Accelerated Program

Year 3, Semester 1*

Elective

Year 3, Semester 2

ITN100 Introduction to Research
ITN150-1 Honours Dissertation
Elective

Elective

Year 3, Semester 3

ITN150-2 Honours Dissertation
ITN150-3 Honours Dissertation
ITN150-4 Honours Dissertation
null

* The first semester of the Accelerated Honours Program occurs in the final semester of the IT22 course (48 credit points remaining). This involves a concurrent enrolment with IT22 (36 credit points enrolment) and 12 credit points Honours elective undertaken within the IT29 course.
Please note: tuition fees normally apply for Summer enrolment. Deans Scholars should contact the IT22 Course Coordinator for further details.

Elective Units - Students should choose from the list of advanced level postgraduate units. Normally units are undertaken in the area of the student's undergraduate major. Students wishing to enrol in a unit other than those listed should contact the Course Coordinator. Students should note that many electives might be offered in the evenings only.

**MID YEAR ENTRY**

**Year 3, Semester 2**

<table>
<thead>
<tr>
<th>Elective</th>
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<tbody>
<tr>
<td>ITN100</td>
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<tr>
<td>ITN150-1</td>
</tr>
<tr>
<td>ITN150-2</td>
</tr>
</tbody>
</table>

**Year 3, Semester 3**

| ITN150-3 |
| ITN150-4 |

**Year 4, Semester 1**

| ITN150-3 |
| ITN150-4 |

* The first semester of the Accelerated Honours Program occurs in the final semester of the IT22 course (48 credit points remaining). This involves a concurrent enrolment with IT22 (36 credit points enrolment) and 12 credit points Honours elective undertaken within the IT29 course.

Elective Units - Students should choose from the list of advanced level postgraduate units. Normally units are undertaken in the area of the student's undergraduate major. Students wishing to enrol in a unit other than those listed should contact the Course Coordinator. Students should note that many electives might be offered in the evenings only.

Please note: tuition fees normally apply for Summer enrolment.

**IT Honours Elective Units**

**Elective units**

Elective units should normally be chosen from the following list of approved honours electives. At least one of your three electives must be chosen from the list of Advanced Honours Electives. You may enrol in at most one unit not listed below (including units offered by other Faculties) if your supervisor submits a request to the course coordinator indicating that said unit will directly support your honours dissertation. Please note that many units are only offered once per year and many have prerequisite requirements, so you will need to carefully plan ahead. If you require assistance in selecting suitable units from the lists below, please discuss it with your supervisor and course coordinator as soon as possible.

**Approved Honours Electives**

| ITN233 | Enterprise Systems Applications |
| ITN237 | Advanced Databases |
| ITN239 | Enterprise Data Mining |
| ITN241 | Information Technology Management |
| ITN245 | R/3 Systems Administration |
| ITN254 | Interactivity Design |
| ITN255 | Knowledge Management |
| ITN257 | Multimedia Systems |
| ITN260 | E-Commerce Site Development |
| ITN264 | Information Systems Consulting |
| ITN267 | Business Analytics |
| ITN272 | Information Technology Project Management |
| ITN295 | XML: Data and Document Processing |
| ITN298 | Process Engineering |
| ITN713 | Advanced Java Programming |
| ITN715 | Web Services |
| ITN716 | Advanced Web Applications Development |
| ITN717 | Enterprise Software Architecture |
| ITN722 | Network Planning and Deployment |
| ITN723 | Wireless and Mobile Networks |
| ITN731 | Security Technologies |
| ITN733 | Network Security |
| ITN740 | Agent Based Software Engineering |
| ITN741 | Information Retrieval Technology |
| ITN742 | Computational Intelligence |
| ITN746 | Modelling and Animation Techniques |
| ITN748 | Configurable Computing |
| ITN751 | Games Production |

**Advanced Honours Electives**

| ITN232 | Database Management |
| ITN253 | Case Studies In Enterprise Systems |
| ITN259 | Advanced Multimedia Systems |
| ITN747 | Real Time Rendering Techniques |
| ITN761 | SEDC Special Topic 1 |
| ITN765 | SEDC Special Topic 5 |
| ITN770 | Internationalisation of Software |
| ITN771 | Advanced Network Management |
| ITN773 | Trusted Systems |
| ITN774 | Computer Forensics |

**Potential Careers:**

Academic, Business Analyst, Computer Games Developer, Computer Salesperson/Marketer, Computer Systems Engineer, Data Communications Specialist, Database Manager, Electrical and Computer Engineer, Information
Graduate Diploma in Information Technology (IT Graduates) (IT35)

Year offered: 2007
Admissions: Yes
CRICOS code: 018771J
Course duration (full-time): 1 years
Course duration (part-time): 2 years
Domestic fees (per credit point): 2007: $130 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $12480
International Fees (per semester): 2007: $9,500 per semester (subject to annual review)
Domestic Entry: February and July
International Entry: February and July
Total credit points: 96
Course coordinator: Hamish Bentley
Campus: Gardens Point

Overview
This program is designed for information technology graduates who wish to update and upgrade their knowledge and skills for purposes of further career development. The course assists IT graduates to acquire specialised knowledge in an area of information technology and/or widen their knowledge into new areas of information technology.

Entry requirements
Applicants for either IT35 or IT40 must have:
a) a bachelors degree in Information Technology with a grade point average of at least 4.5 (7-point scale)
OR
b) provide other evidence of such qualifications and significant full-time IT work experience, as will satisfy the Dean of Faculty that the applicant possesses the capacity to pursue the course of study

Articulation
Students who successfully complete the Graduate Diploma (96 credit points) are eligible for admission to the Masters and are only required to undertake an additional four units to meet the requirements for the Masters degree.

Further Information
If you require further information, visit the Faculty's Home Page: www.fit.qut.edu.au, email: fit.enquiry@qut.edu.au or telephone: 07 3864 2782

IT35/40/48 v1 Master of Information Technology (IT Graduates)

Compulsory Unit*
ITN272 Information Technology Project Management
Only for students who commenced Semester 2, 2006 or later

Advanced Level 1 Units
ITN233 Enterprise Systems Applications
ITN237 Advanced Databases
ITN239 Enterprise Data Mining
ITN245 R/3 Systems Administration
ITN254 Interactivity Design
ITN255 Knowledge Management
ITN257 Multimedia Systems
ITN260 E-Commerce Site Development
ITN264 Information Systems Consulting
ITN267 Business Analytics
ITN272 Information Technology Project Management
ITN298 Process Engineering
ITN713 Advanced Java Programming
ITN715 Web Services
ITN716 Advanced Web Applications Development
ITN717 Enterprise Software Architecture
ITN722 Network Planning and Deployment
ITN723 Wireless and Mobile Networks
ITN731 Security Technologies
ITN733 Network Security
ITN741 Information Retrieval Technology
ITN742 Computational Intelligence
ITN746 Modelling and Animation Techniques
ITN748 Configurable Computing
ITN341 Strategic Information and Knowledge Management
ITS702 Ccna 3 & 4: Switching and Wide Area Networking
ITS703 Ccnp 1: Advanced Routing
ITS704 Ccnp 2: Remote Access Networks
ITS705 Ccnp 3: Multilayer Switching
### Advanced Level 2 Units

- ITN100 Introduction to Research
- ITN232 Database Management
- ITN253 Case Studies In Enterprise Systems
- ITN259 Advanced Multimedia Systems
- ITN269 Special Topic 2B
- ITN747 Real Time Rendering Techniques
- ITN761 SEDC Special Topic 1
- ITN765 SEDC Special Topic 5
- ITN770 Internationalisation of Software
- ITN771 Advanced Network Management
- ITN773 Trusted Systems
- ITN774 Computer Forensics

  Project - 48 credit points (See Project Units for codes)

### Project Units

Students in the Masters may complete a maximum of 48 credit points in project units. Students in the Graduate Diploma may complete a maximum of 24 credit points in project units. Advanced Level 1 project units are 12 and 24 credit points. Advanced Level 2 units are 48 credit points.

- ITN246 Minor Project 1 (IS)
- ITN248 Minor Project 2 (IS)
- ITN162 Project (IS)
- ITN142 Major Project (IS) Full-Time
- ITN791 Minor Project 1 (SEDC)
- ITN792 Minor Project 2 (SEDC)
- ITN793 Project (SEDC)
- ITN794-1 Project (SEDC) PT
- ITN794-2 Project (SEDC) PT
- ITN795 Major Project (SEDC)
- ITN796-1 Major Project (SEDC) PT
- ITN796-2 Major Project (SEDC) PT
- ITN152-1 Major Project (IS) Part Time
- ITN152-2 Major Project (IS) Part Time
- ITN172-1 Project (IS) Part Time
- ITN172-2 Project (IS) Part Time

### Potential Careers:

Business Analyst, Data Communications Specialist, Database Manager, Electronic Commerce Developer, Multimedia Designer, Network Administrator, Network Manager, Programmer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer.
Graduate Diploma in Information Technology (Non-IT Graduates) (IT38)

Year offered: 2007
Admissions: Yes
CRICOS code: 018771J
Course duration (full-time): 2 semesters
Course duration (part-time): 4 semesters
Domestic fees (per credit point): 2007: $130 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $12480
International Fees (per semester): 2007: $9,500 per semester (subject to annual review)
Domestic Entry: February, July and November
International Entry: February, July and November
Total credit points: 96
Course coordinator: Hamish Bentley
Campus: Gardens Point

Overview
This program is designed for non-IT graduates who wish to broaden career opportunities by gaining a postgraduate IT qualification. The programs allow students to specialise in a wide range of areas including software engineering, data communications and information systems.

These programs aim to build on non-IT skills acquired in previous study, such as critical and analytical skills; as well as provide an IT curriculum with depth and breadth, from introductory to advanced level.

Students are encouraged to focus on those parts of the employment spectrum where cross-disciplinary qualifications are most appreciated.

Entry requirements
Students can elect to be admitted to either the Graduate Diploma in Information Technology (IT38) or the Master of Information Technology (IT45).

Applicants for either IT38 or IT45 must have: a Bachelors degree in a discipline other than Information Technology with a grade point average of at least 4.5 (7 point scale); and have demonstrated competence with the basic skills and concepts of personal or office usage such as desktop applications, email, Internet.

Applicants are assumed to have possessed the following prerequisite skills:
- Can use and manage email facilities;
- Can create and manage a personal file system (e.g. home or office computer);
- Understand how to locate and use resources on the internet;
- Familiar with the typical desktop environment: word processors, spreadsheets, etc.;
- Aware of personal computing security issues with regard to backups, viruses, password protection.

These basic skills will not be taught in class. QUT-wide resources are made available for individuals to improve their computer literacy levels.

Applicants may refer to an online Computer Literacy Self-Assessment Questionnaire for more information.

Course Structure
To graduate with a Graduate Diploma in Information Technology (IT38), students are required to have completed 8 units, including:
1 x Compulsory Unit - ITN272 IT Project Management
A Minimum of 3 x Basic Level Units
4 x Chosen from Intermediate or Advanced Level 1 Units

Articulation
Students who complete IT38 can subsequently seek admission to IT45 and are only required to undertake an additional four units to meet the requirements for the Masters degree.

Scholarships
For information on what scholarships cover this course visit the Faculty's home page at www.fit.qut.edu.au

Further Information
If you require further information, visit the Faculty's Home Page: www.fit.qut.edu.au, email: fit.enquiry@qut.edu.au or telephone: 07 3864 2782

IT45 v1 - Master of Information Technology (Non-IT Graduates)

Compulsory Unit*
ITN272 Information Technology Project Management
* For students who commenced Semester 2, 2006 or later

Basic Level Units
ITN200 Database Systems
ITN201 Enterprise Architecture
ITN700 Programming Principles
OR
ITB001 Problem Solving and Programming
ITN701 Networks and Systems

Intermediate Level Units
ITN007 Web Development
ITN218 Applications Programming
ITN222 Business Systems Analysis and Design
ITN223 Software Development with Oracle
ITN228 Enterprise Systems
ITN229 Database Design
ITN241 Information Technology Management
ITN266 Information Management
ITN294 Information Quality
ITN295 XML: Data and Document Processing
ITN322 Information Resources
ITN710 Fundamentals of Computer Science
ITN711 Programming Abstraction
ITN712 Software Engineering Principles
ITN720 Internet Protocols and Services
ITN730 Information Security Fundamentals
ITN721 Computer Network Administration
ITN732 Cryptology and Protocols
ITN740 Agent Based Software Engineering
ITN743 Artificial Intelligence
ITN362 Organisational Databases
ITN744 Computer Architecture
ITN745 Operating Systems
ITN749 Scientific Programming
ITS701 Ccna 1 & 2: Internetworking and Routing Basics

<table>
<thead>
<tr>
<th>Advanced Level 1 units</th>
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<tbody>
<tr>
<td>ITN233 Enterprise Systems Applications</td>
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<tr>
<td>ITN239 Enterprise Data Mining</td>
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<tr>
<td>ITN237 Advanced Databases</td>
</tr>
<tr>
<td>ITN245 R/3 Systems Administration</td>
</tr>
<tr>
<td>ITN254 Interactivity Design</td>
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<tr>
<td>ITN255 Knowledge Management</td>
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<tr>
<td>ITN257 Multimedia Systems</td>
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<tr>
<td>ITN260 E-Commerce Site Development</td>
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<tr>
<td>ITN267 Business Analytics</td>
</tr>
<tr>
<td>ITN272 Information Technology Project Management</td>
</tr>
<tr>
<td>ITN298 Process Engineering</td>
</tr>
<tr>
<td>ITN713 Advanced Java Programming</td>
</tr>
<tr>
<td>ITN715 Web Services</td>
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<tr>
<td>ITN716 Advanced Web Applications Development</td>
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<tr>
<td>ITN717 Enterprise Software Architecture</td>
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<tr>
<td>ITN722 Network Planning and Deployment</td>
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<tr>
<td>ITN723 Wireless and Mobile Networks</td>
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<tr>
<td>ITN731 Security Technologies</td>
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<tr>
<td>ITN733 Network Security</td>
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<tr>
<td>ITN741 Information Retrieval Technology</td>
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<tr>
<td>ITN742 Computational Intelligence</td>
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<tr>
<td>ITN746 Modelling and Animation Techniques</td>
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<tr>
<td>ITN748 Configurable Computing</td>
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<tr>
<th>Project Units</th>
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<tbody>
<tr>
<td>ITN246 Minor Project 1 (IS)</td>
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<tr>
<td>ITN248 Minor Project 2 (IS)</td>
</tr>
<tr>
<td>ITN791 Minor Project 1 (SEDC)</td>
</tr>
<tr>
<td>ITN792 Minor Project 2 (SEDC)</td>
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</tbody>
</table>

Potential Careers:

Business Analyst, Data Communications Specialist, Database Manager, Electronic Commerce Developer, Internet Professional, Multimedia Designer, Network Administrator, Network Manager, Programmer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer.
Master of Information Technology (IT Graduates) (IT40)

Year offered: 2007
Admissions: Yes
CRICOS code: 003776E
Course duration (full-time): 3 semesters
Course duration (part-time): 6 semesters
Domestic fees (per credit point): 2007: $130 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $12480
International Fees (per semester): 2007: $9,500 per semester (subject to annual review)
Domestic Entry: February and July
International Entry: February and July
Total credit points: 144
Course coordinator: Hamish Bentley
Campus: Gardens Point

Overview
The advanced Master of IT course (IT40) with nested graduate diploma and graduate certificates is aimed at Information Technology graduates who wish to revise, update or extend their IT skills and knowledge. With multiple specialisations now emerging in IT, applicants may wish to study advanced units in their own specialisation, and/or move into an entirely different study of IT.

Specialisations are available in:
- Computer Networks
- Information Security
- Enterprise Wide Software
- Electronic Commerce
- Management of Information Technology
- Multimedia; and
- Component Software and Web Services.

Entry requirements
Applicants for the Advanced Master of IT must have:

a) a bachelor's degree in Information Technology with a grade point average of at least 4.5 (7-point scale) OR

b) provide other evidence of such qualifications and significant full-time IT work experience, as will satisfy the Dean of Faculty that the applicant possesses the capacity to pursue the course of study.

Applicants who wish to gain entry into this course, based on IT work experience, are encouraged to complete a Graduate Equivalency Proforma.

Course Structure
To graduate from the Master of Information Technology, students are required to complete 12 units, including:
1 x Compulsory Unit - ITN272 IT Project Management
A minimum of 6 x Advanced Level 1 Units
A minimum of 1 x Advanced Level 2 Units
A maximum of 3 x PG level Elective Units selected from outside the Faculty, in consultation with the Course Coordinator

To exit the Masters course with a Graduate Diploma in Information Technology, students are required to have completed 8 units, including:
- A minimum of 5 x Advanced Level 1 Units
- A minimum of 1 x Advanced Level 2 Units

In addition, students may also gain credit for one or more graduate certificate awards while completing the Masters program. Graduate Certificates in IT consist of 4 designated units which highlight career specialisations in Computer Networks, Information Security, Enterprise Wide Software, Electronic Commerce, Management of Information Technology, Multimedia and Component Software and Web Services.

Further information
If you require further information, visit the Faculty's Home Page: www.fit.qut.edu.au, email: fit.enquiry@qut.edu.au or telephone: 07 3864 2782

IT35/40/48 v1

Master of Information Technology (IT Graduates)

Compulsory Unit*

ITN272 Information Technology Project Management
Only for students who commenced Semester 2, 2006 or later

Advanced Level 1 Units

ITN233 Enterprise Systems Applications
ITN237 Advanced Databases
ITN239 Enterprise Data Mining
ITN245 R/3 Systems Administration
ITN254 Interactivity Design
ITN255 Knowledge Management
ITN257 Multimedia Systems
ITN260 E-Commerce Site Development
ITN264 Information Systems Consulting
ITN267 Business Analytics
ITN272 Information Technology Project Management
ITN298 Process Engineering
ITN713 Advanced Java Programming
ITN715 Web Services
ITN716 Advanced Web Applications Development
ITN717 Enterprise Software Architecture
ITN722 Network Planning and Deployment
ITN723 Wireless and Mobile Networks
ITN731 Security Technologies
ITN733 Network Security
ITN741 Information Retrieval Technology
ITN742 Computational Intelligence
ITN746 Modelling and Animation Techniques
ITN748 Configurable Computing
ITN341 Strategic Information and Knowledge Management
### Advanced Level 2 Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ITN100</td>
<td>Introduction to Research</td>
</tr>
<tr>
<td>ITN232</td>
<td>Database Management</td>
</tr>
<tr>
<td>ITN253</td>
<td>Case Studies in Enterprise Systems</td>
</tr>
<tr>
<td>ITN259</td>
<td>Advanced Multimedia Systems</td>
</tr>
<tr>
<td>ITN269</td>
<td>Special Topic 2B</td>
</tr>
<tr>
<td>ITN747</td>
<td>Real Time Rendering Techniques</td>
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<tr>
<td>ITN761</td>
<td>SEDC Special Topic 1</td>
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<tr>
<td>ITN765</td>
<td>SEDC Special Topic 5</td>
</tr>
<tr>
<td>ITN770</td>
<td>Internationalisation of Software</td>
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<td>ITN771</td>
<td>Advanced Network Management</td>
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<tr>
<td>ITN773</td>
<td>Trusted Systems</td>
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<tr>
<td>ITN774</td>
<td>Computer Forensics</td>
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</tbody>
</table>

### Project Units

**Students in the Masters may complete a maximum of 48 credit points in project units. Students in the Graduate Diploma may complete a maximum of 24 credit points in project units. Advanced Level 1 project units are 12 and 24 credit points. Advanced Level 2 units are 48 credit points.**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<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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<tr>
<td>ITN162</td>
<td>Project (IS)</td>
</tr>
<tr>
<td>ITN142</td>
<td>Major Project (IS) Full-Time</td>
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<tr>
<td>ITN791</td>
<td>Minor Project 1 (SEDC)</td>
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<tr>
<td>ITN792</td>
<td>Minor Project 2 (SEDC)</td>
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<tr>
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<td>ITN172-1</td>
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<tr>
<td>ITN172-2</td>
<td>Project (IS) Part Time</td>
</tr>
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</table>

### Intermediate Level Units

With the approval of the Course Coordinator, students seeking skills in a new IT specialisation can select up to two (2) units from the following list of units.

- ITN007 Web Development
- ITN218 Applications Programming
- ITN222 Business Systems Analysis and Design
- ITN223 Software Development with Oracle
- ITN228 Enterprise Systems
- ITN229 Database Design
- ITN241 Information Technology Management
- ITN266 Information Management
- ITN294 Information Quality
- ITN295 XML: Data and Document Processing
- ITN322 Information Resources
- ITN710 Fundamentals of Computer Science
- ITN711 Programming Abstraction
- ITN712 Software Engineering Principles
- ITN720 Internet Protocols and Services
- ITN721 Computer Network Administration
- ITN730 Information Security Fundamentals
- ITN732 Cryptology and Protocols
- ITN740 Agent Based Software Engineering
- ITN743 Artificial Intelligence
- ITN744 Computer Architecture
- ITN745 Operating Systems
- ITN749 Scientific Programming
- ITS701 Ccna 1 & 2: Internetworking and Routing Basics

### Potential Careers:

- Business Analyst, Data Communications Specialist, Database Manager, Electronic Commerce Developer, Internet Professional, Multimedia Designer, Network Administrator, Network Manager, Programmer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer.
Master of Information Technology (Non-IT Graduates) (IT45)
Year offered: 2007
Admissions: Yes
CRICOS code: 003776E
Course duration (full-time): 3 semesters
Course duration (part-time): 6 semesters
Domestic fees (per credit point): 2007: $130 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $12480
International Fees (per semester): 2007: $9,500 per semester (subject to annual review)
Domestic Entry: February, July and November
International Entry: February, July and November (Conditions apply for November entry)
Total credit points: 144
Course coordinator: Hamish Bentley
Campus: Gardens Point

Overview
This program is designed for non-IT graduates who wish to broaden career opportunities by gaining a postgraduate IT qualification. The programs allow students to specialise in a wide range of areas including software engineering, data communications and information systems.

These programs aim to build on non-IT skills acquired in previous study, such as critical and analytical skills; as well as provide an IT curriculum with depth and breadth, from introductory to advanced level.

Students are encouraged to focus on those parts of the employment spectrum where cross-disciplinary qualifications are most appreciated

Entry Requirements
Applicants for the Master of IT (Non-IT Graduates) must have:
a Bachelors degree in a discipline other than Information Technology with a grade point average of at least 4.5 (7 point scale); and have demonstrated competence with the basic skills and concepts of personal or office usage.

Applicants are assumed to have possessed the following prerequisite skills:
- Can use and manage email facilities
- Can create and manage a personal file system (eg. home or office computer)
- Understand how to locate and use resources on the internet
- Familiar with the typical desktop environment: word processors, spreadsheets, etc.
- Aware of personal computing security issues with regard to backups, viruses, password protection.

These basic skills will not be taught in class. QUT-wide resources are made available for individuals to improve their computer literacy levels.

Applicants may refer to an online Computer Literacy Self-Assessment Questionnaire for more information.

Course Structure
To graduate from the Master of Information Technology (IT45) students are required to complete 12 units, including:
1 x Compulsory Unit - ITN272 IT Project Management
A minimum of 3 x Basic Level Units
A minimum of 3 x Advanced Level 1 Units
In consultation with the Course Coordinator, 1 x Postgraduate Elective unit may be selected from outside the Faculty.

To exit the Masters course with a Graduate Diploma in Information Technology (IT38), students are required to have completed 8 units, including:
1 x Compulsory Unit - ITN272 IT Project Management
A minimum of 3 x Basic Level Units
4 x chosen from Intermediate or Advanced Level 1 Units

Further Information
If you require further information, visit the Faculty's Home Page: www.fit.qut.edu.au, email: fit.enquiry@qut.edu.au or telephone: 07 3138 2782.

IT45 v1 - Master of Information Technology (Non-IT Graduates)

Compulsory Unit*
ITN272 Information Technology Project Management
* For students who commenced Semester 2, 2006 or later

Basic Level Units
ITN200 Database Systems
ITN201 Enterprise Architecture
ITN700 Programming Principles
OR
ITB001 Problem Solving and Programming
ITN701 Networks and Systems

Intermediate Level Units
ITN007 Web Development
ITN218 Applications Programming
ITN222 Business Systems Analysis and Design
ITN223 Software Development with Oracle
ITN228 Enterprise Systems
ITN229 Database Design
ITN241 Information Technology Management
ITN266 Information Management
ITN294 Information Quality
ITN295 XML: Data and Document Processing
ITN322 Information Resources
ITN710 Fundamentals of Computer Science
ITN711 Programming Abstraction
ITN712  Software Engineering Principles
ITN720  Internet Protocols and Services
ITN730  Information Security Fundamentals
ITN721  Computer Network Administration
ITN732  Cryptology and Protocols
ITN740  Agent Based Software Engineering
ITN743  Artificial Intelligence
ITN362  Organisational Databases
ITN744  Computer Architecture
ITN745  Operating Systems
ITN749  Scientific Programming
ITS701  Ccna 1 & 2: Internetworking and Routing Basics

**Advanced Level 1 units**

ITN233  Enterprise Systems Applications
ITN239  Enterprise Data Mining
ITN237  Advanced Databases
ITN245  R/3 Systems Administration
ITN254  Interactivity Design
ITN255  Knowledge Management
ITN257  Multimedia Systems
ITN260  E-Commerce Site Development
ITN267  Business Analytics
ITN272  Information Technology Project Management
ITN298  Process Engineering
ITN713  Advanced Java Programming
ITN715  Web Services
ITN716  Advanced Web Applications Development
ITN717  Enterprise Software Architecture
ITN722  Network Planning and Deployment
ITN723  Wireless and Mobile Networks
ITN731  Security Technologies
ITN733  Network Security
ITN741  Information Retrieval Technology
ITN742  Computational Intelligence
ITN746  Modelling and Animation Techniques
ITN748  Configurable Computing

**Project Units**

ITN246  Minor Project 1 (IS)
ITN248  Minor Project 2 (IS)
ITN791  Minor Project 1 (SEDC)
ITN792  Minor Project 2 (SEDC)

**Potential Careers:**

Business Analyst, Data Communications Specialist, Database Manager, Electronic Commerce Developer, Internet Professional, Network Administrator, Network Manager, Programmer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer.
Master of Information Technology (Advanced) (IT48)

Overview
The two-year Master of Information Technology (Advanced) program is aimed at beginning IT professionals who wish to obtain specialised IT skills combined with other PG level units from outside the Faculty. The program builds on the existing IT40 Master of Information Technology (IT Graduate) course of 12 units, with a choice of extra units from PG level electives. The current IT40 course is designed for students from an IT background wishing to gain further IT specialisations. This new course is distinguished from the existing IT40 Master of IT as it presents the opportunity to include additional units from either advanced IT units or PG level units from outside the Faculty (with approval of Course Coordinator).

Entry Requirements
Applicants must have a Bachelor degree in information technology with a grade point average of at least 4.5 (on a 7 point scale) or provide other evidence of such qualifications and significant full-time IT work experience which will satisfy the Dean of Faculty that the applicant possesses the capacity to pursue the course of study.

Course Structure
To graduate from the Master of Information Technology (Advanced) students are required to complete 16 units, consisting of:
* 1 x Compulsory Unit - ITN272 IT Project Management
* a maximum of 4 Intermediate Units
* a minimum of 7 Advanced Level 1 Units
* a minimum of 1 Advanced Level 2 Units; and
* a maximum of 3 x PG level Elective Units selected from outside the Faculty, in consultation with the Course Coordinator

Further Information
Please visit www.fit.qut.edu.au
email: fit.enquiry@qut.edu.au or
telephone: 07 3864 2782

ITN272 Information Technology Project Management
Only for students who commenced Semester 2, 2006 or later

Advanced Level 1 Units
ITN233 Enterprise Systems Applications
ITN237 Advanced Databases
ITN239 Enterprise Data Mining
ITN245 R/3 Systems Administration
ITN254 Interactivity Design
ITN255 Knowledge Management
ITN257 Multimedia Systems
ITN260 E-Commerce Site Development
ITN264 Information Systems Consulting
ITN267 Business Analytics
ITN272 Information Technology Project Management
ITN298 Process Engineering
ITN713 Advanced Java Programming
ITN715 Web Services
ITN716 Advanced Web Applications Development
ITN717 Enterprise Software Architecture
ITN722 Network Planning and Deployment
ITN723 Wireless and Mobile Networks
ITN731 Security Technologies
ITN733 Network Security
ITN741 Information Retrieval Technology
ITN742 Computational Intelligence
ITN746 Modelling and Animation Techniques
ITN748 Configurable Computing
ITN341 Strategic Information and Knowledge Management
ITS702 Ccna 3 & 4: Switching and Wide Area Networking
ITS703 Ccnp 1: Advanced Routing
ITS704 Ccnp 2: Remote Access Networks
ITS705 Ccnp 3: Multilayer Switching
ITS706 Ccnp 4: Network Troubleshooting
ITS707-1 Securing Cisco Hardware
null
Project - 12 and 24 credit points (See Project Units for codes)

Advanced Level 2 Units
ITN100 Introduction to Research
ITN232 Database Management
ITN253 Case Studies in Enterprise Systems
ITN259 Advanced Multimedia Systems
### Project Units

Students in the Masters may complete a maximum of 48 credit points in project units. Students in the Graduate Diploma may complete a maximum of 24 credit points in project units. Advanced Level 1 project units are 12 and 24 credit points. Advanced Level 2 units are 48 credit points.

- **ITN246** Minor Project 1 (IS)
- **ITN248** Minor Project 2 (IS)
- **ITN162** Project (IS)
- **ITN142** Major Project (IS) Full-Time
- **ITN791** Minor Project 1 (SEDC)
- **ITN792** Minor Project 2 (SEDC)
- **ITN793** Project (SEDC)
- **ITN794-1** Project (SEDC) PT
- **ITN794-2** Project (SEDC) PT
- **ITN795** Major Project (SEDC)
- **ITN796-1** Major Project (SEDC) PT
- **ITN796-2** Major Project (SEDC) PT
- **ITN152-1** Major Project (IS) Part Time
- **ITN152-2** Major Project (IS) Part Time
- **ITN172-1** Project (IS) Part Time
- **ITN172-2** Project (IS) Part Time

### Intermediate Level Units

With the approval of the Course Coordinator, students seeking skills in a new IT specialisation can select up to two (2) units from the following list of units.

- **ITN007** Web Development
- **ITN218** Applications Programming
- **ITN222** Business Systems Analysis and Design
- **ITN223** Software Development with Oracle
- **ITN228** Enterprise Systems
- **ITN229** Database Design
- **ITN241** Information Technology Management
- **ITN266** Information Management
- **ITN294** Information Quality
- **ITN295** XML: Data and Document Processing
Master of Information Technology (Research) (IT60)

Year offered: 2007
Admissions: Yes
CRICOS code: 020309B
Course duration (full-time): 1.5 years or 3 semesters
Course duration (part-time): 3 years or 6 semesters
Domestic fees (per credit point): RTS/RTA; 2007: $130 per credit point (exceeded max. entitlement) (subject to annual review)
Domestic fees (indicative): 2007: $12480
International Fees (per semester): 2007: $9,500 per semester (subject to annual review)
Domestic Entry: At any time
International Entry: At any time
Total credit points: 144
Course coordinator: Associate Professor Shlomo Geva
Campus: Gardens Point

Overview
The Master of Information Technology (Research) aims to provide specialist education in information technology through a program which involves either an original contribution to knowledge or an original application of existing knowledge.

Students choose a research topic from recognised areas of research concentration within the Faculty. Research can be carried out in a research centre of the Faculty, in the student's place of employment or in a sponsoring institution.

Entry requirements
An approved degree in information technology from a recognised tertiary institution or an equivalent qualification, with a grade point average equal to, or greater than 5 (7 point scale), OR an approved degree from a recognised tertiary institution plus evidence of professional experience and skills to satisfy the academic board that the applicant possesses the capacity to pursue the course of study. The evidence should include details of any project or research activities undertaken.

An essential step in gaining admission to the degree is the choice of a research topic and the formulation of a research plan which meets with the Faculty's approval. Students should discuss their research proposal with Faculty staff at an early stage.

Research Areas
Areas of research interest and contact details can be obtained from the Faculty website

Course Structure
The length of the program is generally expected to be one-and-a-half years if the candidate enrols as a full time student (including six months of provisional registration) and three years for part time (including one year of provisional registration).

Students with second class Honours division A (or better) in an information technology-related course will normally be enrolled in the Master of Information Technology (Research) and complete the degree in one year full-time.

Assessment for the award of Masters by Research is based on a program of supervised research and investigation, culminating in a thesis. Programs may include some coursework in support of the conduct of research and preparation of the thesis. Candidates are required to have regular interaction with supervisors and to participate in scholarly activities such as research seminars and publication.

Further Information
If you required further information, visit the Faculty's Home Page: www.fit.qut.edu.au, email: fit.enquiry@qut.edu.au or telephone: 07 3864 2782

Course structure

<table>
<thead>
<tr>
<th>Full-time Course Structure</th>
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<tbody>
<tr>
<td>A program of research and investigation developed in conjunction with the Principal Supervisor and approved by the Faculty Research Committee (Workload equivalent to 48 credit points per semester)</td>
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<tr>
<th>Part-time Course Structure</th>
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<tbody>
<tr>
<td>A program of research and investigation developed in conjunction with the Principal Supervisor and approved by the Faculty Research Committee (Workload equivalent to 24 credit points per semester)</td>
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Potential Careers:
Business Analyst, Computer Games Developer, Data Communications Specialist, Database Manager, Electronic Commerce Developer, Internet Professional, Network Administrator, Network Manager, Programmer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer.
Master of Information Management (IT70)

Year offered: 2007
Admissions: Yes
CRICOS code: 053705F
Course duration (full-time): 3 semesters
Course duration (part-time): 6 semesters
Domestic fees (per credit point): 2007: $130 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $12480
International Fees (per semester): 2007: $9,500 per semester (subject to annual review)
Domestic Entry: February, July - Part time only
International Entry: February
Assumed knowledge: See Entry Requirements
Total credit points: 144
Course coordinator: Dr Gillian Hallam
Campus: Gardens Point

Overview
This program has replaced IT25 Graduate Diploma in Library and Information Studies.

The Master of Information Management has been developed to provide graduates with the skills to find employment in a range of diverse information roles - in libraries, in business or in government agencies.

Graduates will play an increasing role in understanding and managing the complexities of information impacting on society as a whole.

The course offers the opportunity to specialise in the following areas:
- Library Studies
- Information & Knowledge Management
- Records Management
- Web Management

Graduate Outcomes
Graduates can expect to find employment in positions including:
- Librarian, Information Manager, Knowledge Manager, Database Manager, Webmaster, Information Architect, Information Coordinator, Records Manager, Policy Officer, Research Analyst, Corporate Librarian, Information Services Manager, Bibliographer, Intranet Content Manager, Document Manager, Metadata Analyst, Metadata Development, Specialist Liaison Librarian, Database Manager, Information Broker, Community Information Officer, Cataloguer, Cybrarian, Digital Library Coordinator, Systems Librarian
- Information Analyst, Law Librarian, Learning Resources Officer, Library Media Specialist, Strategic Information Manager, Technical Information Specialist

Entry requirements
Applicants must have:

a) Demonstrated competence in the basic skills and concepts of personal or office computer usage; AND

b) a Bachelor's degree in a discipline other than library or information studies with a grade point average of at least 4.5 (7 point scale); OR

evidence of qualifications (for example Recognised Prior Learning) that satisfies the Dean of the Faculty that the applicant possesses the capacity to pursue the course of study combined with at least five years relevant full-time IT work experience.

Applicants may refer to an online Computer Literacy Self-Assessment Questionnaire for more information.

Course structure
To graduate from the Master of Information Management (IT70) students are required to complete the 12 units (10 compulsory and 2 electives).

To exit the Masters course with a Graduate Diploma in Information Management (IT72) students are required to complete the eight specified units.

In addition, there are four Graduate Certificate in Information Management programs available. Students are required to complete four specified units to graduate.

Professional Recognition
Graduates of the Master of Information Management fulfil requirements for recognition by the Australian Library and Information Association (ALIA). Recognition will be sought from the Records Management Association Australia for both the Graduate Diploma and the Master of Information Management.

Further Information
Please visit www.fit.qut.edu.au
Email fit.enquiry@qut.edu.au
Phone 07 3138 2782

IT70 - Master of Information Management - Full-time

Year 1, Semester 1
ITN201 Enterprise Architecture
ITN273 Information Retrieval
ITN274 Management Issues for Info Professionals
ITN362 Organisational Databases

Year 1, Semester 2
ITN275 Information Organisation
ITN276 Information Services
ITN266 Information Management
ITN362 Organisational Databases

Year 2, Semester 1
ITN278 Web Content Reliability
ITN279 Information Literacy Education
ITN280 Professional Practice
Students who choose to undertake ITS010 Cooperative Education Program substitute for ITN280.

### Specialisations (select two (2) units from a specialisation)

#### IT70 - Master of Information Management - Part-time

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
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<tbody>
<tr>
<td>ITN273 Information Retrieval</td>
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<td>ITN362 Organisational Databases</td>
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<thead>
<tr>
<th>Year 1, Semester 2</th>
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<tbody>
<tr>
<td>ITN201 Enterprise Architecture</td>
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<td>ITN266 Information Management</td>
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<tr>
<th>Year 2, Semester 1</th>
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<tr>
<td>ITN274 Management Issues for Info Professionals Specialisation Unit 1</td>
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<tr>
<th>Year 2, Semester 2</th>
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<tr>
<td>ITN275 Information Organisation</td>
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<td>ITN276 Information Services</td>
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<th>Year 3, Semester 1</th>
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<tr>
<td>ITN278 Web Content Reliability</td>
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<tr>
<td>ITN279 Information Literacy Education</td>
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<tr>
<th>Year 3, Semester 2</th>
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<tr>
<td>ITN280 Professional Practice Specialisation Unit 2</td>
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- Students who choose to undertake ITS010 Cooperative Education Program substitutes for ITN280.

### Specialisations (select two (2) units from a specialisation)

#### Library Studies

| ITN315 Information Management Project |  |
| ITN316 Digital Library Systems |  |
| ITN317 Advanced Information Services |  |
| ITN318 Information Organisation 2 |  |
| ITN320 Law Library Management |  |
| ITN321 Law Librarianship - Legal Research |  |
| ITN330 Information Issues and Values |  |
| CLN601 Cyberlearning: Information and Knowledge in the Digital Age |  |
| CLN603 Designing Spaces for Learning |  |
| CLN647 Youth, Popular Culture, and Texts |  |
| HHB123 Indigenous Australian Culture Studies |  |
| ITN320 Law Library Management |  |
| ITN321 Law Librarianship - Legal Research |  |
| EDB007 Culture Studies: Indigenous Education |  |
| SPN624 Adult and Professional Learning |  |

### Information and Knowledge Management

| ITN255 Knowledge Management |  |
| ITN315 Information Management Project |  |
| SPN637 Managing Knowledge in Learning Organisations |  |

### Records Management

| ITN315 Information Management Project |  |
| ITN319 Records Systems |  |

### Web Management

| ITN007 Web Development |  |
| ITN239 Enterprise Data Mining |  |
| ITN295 XML: Data and Document Processing |  |
| ITN315 Information Management Project |  |

### Potential Careers:

- Information and Knowledge Management
- Library Studies
- Records Management
- Web Management
Administrator, Information Officer, Librarian.
Graduate Certificate in Information Management (Library Studies) (IT73)

Year offered: 2007
Admissions: Yes

Course duration (part-time): 2 semesters

Domestic fees (per credit point): 2007: $130 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $12480

International Fees (per semester): 2005: A$10,000 (subject to annual review)

Domestic Entry: February and July

Assumed knowledge: See Entry Requirements

Total credit points: 48

Course coordinator: (Acting until 31 January 2007) Helen Partridge

Campus: Gardens Point

Overview
The Graduate Certificate in Information Management consists of four designated units (48 credit points) which highlight career specialisations. The Graduate Certificate in Information Management (Library Studies) (IT73) is designed for qualified librarians not currently employed or those librarians who wish to diversify.

Graduate Outcomes
Graduates can expect to find employment as: Librarian, Community Information Officer, Cataloguer, Research Analyst, Information Services Manager, Business Information Specialist, Information Broker, Corporate Librarian, Liaison Librarian, Digital Library Coordinator, Law Librarian, Learning Resources Officer, Library Media Specialist

Entry Requirements
Demonstrated competence in the basic skills and concepts of personal or office computer usage (eg. Desktop applications, email, internet access); and a graduate diploma in library or information studies with a grade point average of at least 4.5 (7 point scale); or evidence of qualifications (for example Recognised Prior Learning) that satisfies the Faculty that the applicant possess the capacity to pursue the course of study and at least five years relevant full-time work experience (or equivalent part-time experience)

International students cannot gain direct entry to Graduate Certificates in Information Management as the programs are offered on a part-time basis only.

Further information
Please visit www.fit.qut.edu.au
Email fit.enquiry@qut.edu.au
Phone 07 3864 2782

IT73 Graduate Certificate in Information Management (Library Studies)

Core Units
ITN279 Information Literacy Education

Choose two (2) units from the following:

ITN315 Information Management Project
OR
ITN280 Professional Practice

Choose two (2) units from the following:

ITN276 Information Services
ITN316 Digital Library Systems
ITN317 Advanced Information Services
ITN318 Information Organisation 2
ITN320 Law Library Management
ITN321 Law Librarianship - Legal Research
CLN601 Cyberlearning: Information and Knowledge in the Digital Age
CLN603 Designing Spaces for Learning
CLN647 Youth, Popular Culture, and Texts
HHB123 Indigenous Australian Culture Studies
EDB007 Culture Studies: Indigenous Education
SPN624 Adult and Professional Learning

Potential Careers:
Librarian.
Graduate Certificate in Information Management (Information and Knowledge Management) (IT74)

Year offered: 2007
Admissions: Yes
Course duration (part-time): 2 semesters
Domestic fees (per credit point): 2007: $130 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $12480
International Fees (per semester): 2005: A$10,000 (subject to annual review)
Domestic Entry: February and July
Assumed knowledge: See Entry Requirements
Total credit points: 48
Course coordinator: (Acting until 31 January 2007) Helen Partridge
Campus: Gardens Point

Overview
The Graduate Certificate in Information Management (Information & Knowledge Management) (IT74) consists of four designated units (48 credit points. It is designed for a career in information or knowledge management in the corporate, state or local government areas.

Graduate Outcomes
Graduates can expect to find employment as:
Knowledge Manager, Information Manager, Metadata Analyst, Metadata Development Specialist, Information Architect, Policy Officer, Document Manager, Document Analyst, Database Manager, Information Analyst, Strategic Information Manager

Entry Requirements
Demonstrated competence in the basic skills and concepts of personal or office computer usage (eg. Desktop applications, email, internet access); and a bachelor’s degree in any discipline with a grade point average of at least 4.5 (7 point scale); or evidence of qualifications (for example Recognised Prior Learning) that satisfies the Faculty that the applicant possess the capacity to pursue the course of study and at least five years relevant full-time work experience (or equivalent part-time experience)

International students cannot gain direct entry to Graduate Certificates in Information Management as the programs are offered on a part-time basis only.

Further Information
Please visit www.fit.qut.edu.au
Email fit.enquiry@qut.edu.au
Phone 07 3864 2782

IT74 Graduate Certificate in Information Management (Information and Knowledge Management)

Core Units
ITN255 Knowledge Management
SPN637 Managing Knowledge in Learning Organisations

Choose one unit from the following
ITN315 Information Management Project
ITN280 Professional Practice
ITN201 Enterprise Architecture
ITN266 Information Management

Potential Careers:
Librarian.
Graduate Certificate in Information Management (Records Management) (IT75)

Year offered: 2007
Admissions: Yes
Course duration (part-time): 2 semesters
Domestic fees (per credit point): 2007: $130 per credit point (subject to annual review)
Domestic fees (indicative): 2007 Full fee tuition $12480
International Fees (per semester): 2005: A$10,000 (subject to annual review)
Domestic Entry: February and July
Assumed knowledge: See Entry Requirements
Total credit points: 48
Course coordinator: (Acting until 31 January 2007) Helen Partridge
Campus: Gardens Point

Overview
The Graduate Certificate in Information Management (Records Management) (IT75) consists of four designated units (48 credit points) and is designed for students who wish to gain a qualification in the area of records management.

Graduate Outcomes
Graduates can expect to find employment as:
Records Manager, Document Manager, Information Analyst, Information Manager, Metadata Analyst, Metadata Development Specialist

Entry Requirements
Demonstrated competence in the basic skills and concepts of personal or office computer usage (eg. Desktop applications, email, internet); and a bachelor's degree in any discipline with a grade point average of at least 4.5 (7 point scale); or evidence of qualifications (for example Recognised Prior Learning) that satisfies the Faculty that the applicant possess the capacity to pursue the course of study and at least five years relevant full-time work experience (or equivalent part-time experience)

International students cannot gain direct entry to Graduate Certificates in Information Management as the programs are offered on a part-time basis only.

Further Information
Please visit www.fit.qut.edu.au
Email fit.enquiry@qut.edu.au
Phone 07 3864 2782

IT75 Graduate Certificate in Information Management (Records Management)

Core Units
ITN319 Records Systems
ITN266 Information Management
ITN280 Professional Practice
OR

Potential Careers:
Librarian.
Graduate Certificate in Information Management (Web Management) (IT76)

Year offered: 2007
Admissions: Yes
Course duration (part-time): 2 semesters
Domestic fees (per credit point): 2007: $130 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $12480
International Fees (per semester): 2005: A$10,000 (subject to annual review)
Domestic Entry: February and July
Assumed knowledge: See Entry Requirements
Total credit points: 48
Course coordinator: (Acting until 31 January 2007) Helen Partridge
Campus: Gardens Point

Overview
The Graduate Certificate in Information Management (Web Management) (IT76) consists of four designated units (48 credit points) and is aimed at developing knowledge and skills in the management of information in intranet and internet areas.

Graduate Outcomes
Graduates can expect to find employment as: Information Manager, Knowledge Manager, Webmaster, Intranet Content Manager, Electronic Content Librarian, Web Librarian

Entry Requirements
Demonstrated competence in the basic skills and concepts of personal or office computer usage (e.g. Desktop applications, email, internet access); and a bachelor's degree in any discipline with a grade point average of at least 4.5 (7 point scale); or evidence of qualifications (for example Recognised Prior Learning) that satisfies the Faculty that the applicant possesses the capacity to pursue the course of study and at least five years relevant full-time work experience (or equivalent part-time experience).

International students cannot gain direct entry to Graduate Certificates in Information Management as the programs are offered on a part-time basis only.

Further Information
Please visit www.fit.qut.edu.au
Email fit.enquiry@qut.edu.au
Phone 07 3864 2782

IT76 Graduate Certificate in Information Management (Web Management)

Core Units
ITN278  Web Content Management
ITN315  Information Management Project
OR
ITN280  Professional Practice

Choose two (2) units from the following
ITN007  Web Development
ITN201  Enterprise Architecture
ITN239  Enterprise Data Mining
ITN362  Organisational Databases

Potential Careers:
Librarian.
Graduate Certificate in Information Technology (Wireless Games Technology) (IT89)

Year offered: 2007
Admissions: Yes
Course duration (part-time): 2 semesters or 26 weeks (based on completing 2 units/sem)
Domestic fees (per credit point): 2007: $130 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $12480
Domestic Entry: February and July
Assumed knowledge: See Entry Requirements
Total credit points: 48
Course coordinator: Hamish Bentley
Campus: Gardens Point

Overview
The Graduate Certificate in Information Technology consists of four designated units (48 credit points) which highlight career specialisations. Students can complete the program over 26 weeks part-time (based on two subjects per semester).

The GCert IT (Wireless Games Technology) is aimed at developing knowledge and skills in wireless game applications. Assumed skills include familiarity with object oriented programming in Java and/or C++.

Entry Requirements
An approved Bachelor's degree in Information Technology from a recognised tertiary institution with a grade point average of at least 4.5 (7-point scale); OR provide other evidence of such qualifications (for example Recognised Prior Learning) and significant full-time IT work experience, as will satisfy the Dean of Faculty, that the applicant possesses the capacity to pursue the course of study.

Course Structure
Students can enrol directly in the Master of IT (IT Graduates) and gain credit for one or more graduate certificate awards while completing the program. They may exit the course with a graduate certificate (48 credit points) and/or a graduate diploma (96 credit points).

International students cannot gain direct entry to Graduate Certificates in IT as they are currently only available as part of the IT40 Masters program or as an exit point.

Graduate Certificates are offered part-time only.

Further Information
Please visit www.fit.qut.edu.au
Email fit.enquiry@qut.edu.au
Phone 07 3864 2782

IT89 - Graduate Certificate in IT (Wireless Games Technology)

Four (4) units to be selected from the following

- ITN254 Interactivity Design
- ITN720 Internet Protocols and Services
- ITN723 Wireless and Mobile Networks
- ITN742 Computational Intelligence
- ITN745 Operating Systems
- ITN746 Modelling and Animation Techniques
Graduate Certificate in Information Technology (Computer Networks) (IT90)

Year offered: 2007
Admissions: Yes
Course duration (part-time): 2 semesters or 26 weeks (based on completing 2 units/sem)
Domestic fees (per credit point): 2007: $130 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $12480
Domestic Entry: February and July
Assumed knowledge: See Entry Requirements
Total credit points: 48
Course coordinator: Hamish Bentley
Campus: Gardens Point

Overview
The Graduate Certificate in Information Technology (Computer Networks) (IT90) is designed for a career in network planning and administration.

Students can complete the program over 26 weeks part-time (based on two subjects per semester).

Entry Requirements
Applicants must have a bachelors degree in Information Technology with a grade point average of at least 4.5 (7-point scale) OR provide other evidence of such qualifications and significant full-time Information Technology work experience as will satisfy the Dean of Faculty that the applicant possesses the capacity to pursue the course of study.

Assumed skills: Foundation level study of the principles of modern networking.

Course Structure
Students can enrol directly in the Master of IT (IT Graduates) and gain credit for one or more graduate certificate awards while completing the program. They may exit the course with a graduate certificate (48 credit points) and/or a graduate diploma (96 credit points).

International students cannot gain direct entry to Graduate Certificates in IT as they are currently only available as part of the IT40 Masters program or as an exit point.

The programs are offered part-time only.

Further information
Please visit www.fit.qut.edu.au
Email fit.enquiry@qut.edu.au
Phone 07 3864 2782

IT90 Graduate Certificate in IT (Computer Networks)

Core
ITN720 Internet Protocols and Services
ITN721 Computer Network Administration

Select 2 units from the following
ITN723 Wireless and Mobile Networks
ITN771 Advanced Network Management
ITS701 Ccna 1 & 2: Internetworking and Routing Basics
ITS702 Ccna 3 & 4: Switching and Wide Area Networking
ITS703 Ccnp 1: Advanced Routing
ITS704 Ccnp 2: Remote Access Networks
ITS705 Ccnp 3: Multilayer Switching
ITS706 Ccnp 4: Network Troubleshooting
ITS707-1 Securing Cisco Hardware
ITS707-2 Securing Cisco Hardware
Graduate Certificate in Information Technology (Information Security)  
(IT92)

Year offered: 2007  
Admissions: Yes  
Course duration (part-time): 2 semesters or 26 weeks (based on completing 2 units/sem)  
Domestic fees (per credit point): 2007: $130 per credit point (subject to annual review)  
Domestic fees (indicative): 2007: $12480  
Domestic Entry: February and July  
Assumed knowledge: See entry requirements  
Total credit points: 48  
Course coordinator: Hamish Bentley  
Campus: Gardens Point

Overview
The Graduate Certificate in Information Technology consists of four designated units (48 credit points) which highlight career specialisations. Students can complete the program over 26 weeks part time (based on undertaking two subjects per semester).

GCert IT (Information Security) are designed to provide you with training and a strong understanding of security-related issues in information technology systems. You learn about security problems encountered in computing systems, and explore measures that can be used to secure these systems. An information security background is not necessary for entry to this module.

Entry requirements
An approved Bachelor's degree in Information Technology from a recognised tertiary institution with a grade point average of at least 4.5 (7-point scale); OR provide other evidence of such qualifications (for example Recognised Prior Learning) and significant full-time IT work experience, as will satisfy the Dean of Faculty, that the applicant possesses the capacity to pursue the course of study.

Assumed skills: Familiarity with principles of modern networking and for ITB646, assumed Maths as specified in ITB646 (see Course Structure).

International students cannot gain direct entry to Graduate Certificates in IT as they are only currently available as part of a Masters program or an exit point.

Course Structure
Students can directly enrol in the Master of IT (IT Graduates)(IT40) and gain credit for one or more graduate certificate awards while completing the program. They may also exit or graduate early from the course upon the successful completion of a graduate certificate (48 credit points) and/or a graduate diploma (96 credit points).

Further Information
If you require further information, visit the Faculty's Home Page: www.fit.qut.edu.au, email: fit.enquiry@qut.edu.au or telephone: 07 3864 2782

IT92 Grad Cert in Information Technology (Information Security)

Four (4) units to be selected from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITN730</td>
<td>Information Security Fundamentals</td>
</tr>
<tr>
<td>ITN731</td>
<td>Security Technologies</td>
</tr>
<tr>
<td>ITN732</td>
<td>Cryptology and Protocols</td>
</tr>
<tr>
<td>ITN733</td>
<td>Network Security</td>
</tr>
<tr>
<td>ITN765</td>
<td>SEDC Special Topic 5</td>
</tr>
<tr>
<td>ITN773</td>
<td>Trusted Systems</td>
</tr>
</tbody>
</table>

Potential Careers:
Data Communications Specialist, Internet Professional, Network Administrator, Network Manager.
Graduate Certificate in Information Technology (Enterprise Wide Software) (IT93)

Year offered: 2007
Admissions: Yes
Course duration (part-time): 2 semesters or 26 weeks (based on completing 2 units/sem)
Domestic fees (per credit point): 2007: $130 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $12480
Domestic Entry: February and July
Assumed knowledge: See Entry Requirements
Total credit points: 48
Course coordinator: Hamish Bentley
Campus: Gardens Point

Overview
The Graduate Certificate in Information Technology consists of four designated units (48 credit points) which highlight career specialisations. GCert IT (EWS) is for students who wish to take advantage of the programming, administration and planning opportunities offered by enterprise wide system environments.

Entry requirements
An approved Bachelor's degree in Information Technology from a recognised tertiary institution with a grade point average of at least 4.5 (7-point scale); OR provide other evidence of such qualifications (for example Recognised Prior Learning) and significant full-time IT work experience, as will satisfy the Dean of Faculty, that the applicant possesses the capacity to pursue the course of study.

Assumed skills: Familiarity with concepts of enterprise architecture or enterprise modelling.

International students cannot gain direct entry to Graduate Certificates in IT as they are only currently available as part of a Masters program or an exit point.

Course Structure
Students can use a graduate certificate in IT to articulate or gain credit towards a Graduate Diploma and/or Masters in IT award.

Alternatively, applicants may directly enrol in the Master of IT (IT Graduates)(IT40) and gain credit for one or more graduate certificate awards while completing the program. They may also exit or graduate early from the course upon the successful completion of a graduate certificate (48 credit points) and/or a graduate diploma (96 credit points).

Further Information
If you require further information, visit the Faculty's Home Page: www.fit.qut.edu.au, email: enquiry.fit@qut.edu.au or telephone: 07 3864 2782.

IT93 - Graduate Certificate in IT (Enterprise Wide Software)

Four (4) units to be selected from the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITN228</td>
<td>Enterprise Systems</td>
</tr>
<tr>
<td>ITN233</td>
<td>Enterprise Systems Applications</td>
</tr>
<tr>
<td>ITN245</td>
<td>R/3 Systems Administration</td>
</tr>
<tr>
<td>ITN253</td>
<td>Case Studies In Enterprise Systems</td>
</tr>
<tr>
<td>ITN298</td>
<td>Process Engineering</td>
</tr>
</tbody>
</table>
Graduate Certificate in Information Technology (Electronic Commerce) (IT94)

Year offered: 2007
Admissions: Yes

Course duration (part-time): 2 semesters or 26 weeks (based on completing 2 units/sem)

Domestic fees (per credit point): 2007: $130 per credit point (subject to annual review)

Domestic fees (indicative): 2007: $12480

Domestic Entry: February and July

Assumed knowledge: See Entry Requirements

Total credit points: 48

Course coordinator: Hamish Bentley

Campus: Gardens Point

Overview
The Graduate Certificate in Information Technology consists of four designated units (48 credit points) which highlight career specialisations.

The Graduate Certificate in Information Technology (Electronic Commerce) (IT94) provides the knowledge and skills necessary for employment in mainstream e-commerce application development.

Entry Requirements
An approved Bachelor's degree in Information Technology from a recognised tertiary institution with a grade point average of at least 4.5 (7-point scale); OR provide other evidence of such qualifications (for example Recognised Prior Learning) and significant full-time IT work experience, as will satisfy the Dean of Faculty, that the applicant possesses the capacity to pursue the course of study.

Assumed skills: Familiarity with object oriented concepts, some programming in modern languages and relational databases.

International students cannot gain direct entry to Graduate Certificates in IT as they are only currently available as part of a Masters program or an exit point.

Course Structure
Students can directly enrol in the Master of IT (IT Graduates)(IT40) and gain credit for one or more graduate certificate awards while completing the program. They may also exit or graduate early from the course upon the successful completion of a graduate certificate (48 credit points) and/or a graduate diploma (96 credit points).

Further Information
If you require further information, visit the Faculty's Home Page: www.fit.qut.edu.au, email: fit.enquiry@qut.edu.au or telephone: 07 3864 2782.

IT94 - Graduate Certificate in IT (Electronic Commerce)

Four (4) units to be selected from the following

- ITN007 Web Development

- ITN229 Database Design
- ITN260 E-Commerce Site Development
- ITN295 XML: Data and Document Processing
- ITN730 Information Security Fundamentals
Graduate Certificate in Information Technology (Project) (IT95)

Year offered: 2007
Admissions: Yes

Course duration (part-time): 2 semesters or 26 weeks (based on completing 2 units/sem)

Domestic fees (per credit point): 2007: $130 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $12480

Domestic Entry: February and July

Assumed knowledge: See Entry Requirements

Total credit points: 48

Course coordinator: Hamish Bentley

Campus: Gardens Point

Further Information
If you require further information, visit the Faculty's Home Page: www.fit.qut.edu.au, email: fit.enquiry@qut.edu.au or telephone: 07 3864 2782.

IT95 - Graduate Certificate in IT (Project)

One (1) unit to be selected from the following:

ITN142 Major Project (IS) Full-Time
ITN795 Major Project (SEDC)
ITN152-1 Major Project (IS) Part Time
ITN152-2 Major Project (IS) Part Time
ITN796-1 Major Project (SEDC) PT
ITN796-2 Major Project (SEDC) PT

Potential Careers:
Data Communications Specialist, Internet Professional, Network Administrator, Network Manager, Programmer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer.
Graduate Certificate in Information Technology (Information Technology Management) (IT96)

Year offered: 2007
Admissions: Yes
Course duration (part-time): 2 semesters or 26 weeks (based on completing 2 units/sem)
Domestic fees (per credit point): 2007: $130 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $12480
Domestic Entry: February and July
Assumed knowledge: See Entry Requirements
Total credit points: 48
Course coordinator: Hamish Bentley
Campus: Gardens Point

Overview
The Graduate Certificate in Information Technology consists of four designated units (48 credit points) which highlight career specialisations. GCert IT (Management of Information Technology) provides a specialisation for IT professionals in project management and IT strategy-making.

Entry Requirements
An approved Bachelor's degree in Information Technology from a recognised tertiary institution with a grade point average of at least 4.5 (7-point scale); OR provide other evidence of such qualifications (for example Recognised Prior Learning) and significant full-time IT work experience, as will satisfy the Dean of Faculty, that the applicant possesses the capacity to pursue the course of study.

Assumed Skills: systems analysis & design, relational database design and implementation.

International students cannot gain direct entry to Graduate Certificates in IT as they are only currently available as part of a Masters program or an exit point.

Course Structure
Students can use a graduate certificate in IT to articulate or gain credit towards a Graduate Diploma and/or Masters in IT award.

Alternatively, applicants may directly enrol in the Master of IT (IT Graduates)(IT40) and gain credit for one or more graduate certificate awards while completing the program. They may also exit or graduate early from the course upon the successful completion of a graduate certificate (48 credit points) and/or a graduate diploma (96 credit points).

Further Information
If you require further information, visit the Faculty's Home Page: www.fit.qut.edu.au, email:fit.enquiry@qut.edu.au or telephone: 07 3864 2782.

IT96 - Graduate Certificate in IT (Information Technology Management)

Four (4) units to be selected from the following
ITN241 Information Technology Management
ITN255 Knowledge Management
ITB264 Information Systems Consulting
ITN266 Information Management
ITN272 Information Technology Project Management
Graduate Certificate in Information Technology (Multimedia) (IT98)

Year offered: 2007
Admissions: Yes
Course duration (part-time): 2 semesters or 26 weeks (based on completing 2 units/sem)
Domestic fees (per credit point): 2007: $130 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $12480
Domestic Entry: February and July
Assumed knowledge: See Entry Requirements
Total credit points: 48
Course coordinator: Hamish Bentley
Campus: Gardens Point

Overview
The Graduate Certificate in Information Technology consists of four designated units (48 credit points) which highlight career specialisations.

GCert IT (Multimedia) offers the opportunity to specialise in interface design, with skills in multimedia solutions.

Entry Requirements
An approved Bachelor's degree in Information Technology from a recognised tertiary institution with a grade point average of at least 4.5 (7-point scale); OR provide other evidence of such qualifications (for example Recognised Prior Learning) and significant full-time IT work experience, as will satisfy the Dean of Faculty, that the applicant possesses the capacity to pursue the course of study.

Assumed skills: Familiarity with programming and database.

International students cannot gain direct entry to Graduate Certificates in IT as they are only currently available as part of a Masters program or an exit point.

Course Structure
Students can directly enrol in the Master of IT (IT Graduates)(IT40) and gain credit for one or more graduate certificate awards while completing the program. They may also exit or graduate early from the course upon the successful completion of a graduate certificate (48 credit points) and/or a graduate diploma (96 credit points).

Further Information
If you require further information, visit the Faculty's Home Page: www.fit.qut.edu.au, email: fit.enquiry@qut.edu.au or telephone: 07 3864 2782.

IT98 - Graduate Certificate in IT (Multimedia)

Four (4) units to be selected from the following

- ITN007 Web Development
- ITB254 Interaction Design
- ITN257 Multimedia Systems
- ITN259 Advanced Multimedia Systems

ITN295 XML: Data and Document Processing
Graduate Certificate in Information Technology (Component Software and Web Services) (IT99)

Year offered: 2007
Admissions: Yes
Course duration (part-time): 2 semesters or 26 weeks (based on completing 2 units/sem)
Domestic fees (per credit point): 2007: $130 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $12480
Domestic Entry: February and July
Assumed knowledge: See Entry Requirements
Total credit points: 48
Course coordinator: Hamish Bentley
Campus: Gardens Point

Overview
The Graduate Certificate in Information Technology consists of four designated units (48 credit points) which highlight career specialisations. The GCert IT (Component Software and Web Services) provides a firm basis for a career in web applications technology across a variety of platforms.

Entry Requirements
An approved Bachelor’s degree in Information Technology from a recognised tertiary institution with a grade point average of at least 4.5 (7-point scale); OR provide other evidence of such qualifications (for example Recognised Prior Learning) and significant full-time IT work experience, as will satisfy the Dean of Faculty, that the applicant possesses the capacity to pursue the course of study.

Assumed skills: Programming skills at non-elementary level, including OO concepts, basic computer security, analysis skills (eg software engineering, systems analysis or enterprise modelling), relational database.

International students cannot gain direct entry to Graduate Certificates in IT as they are only currently available as part of a Masters program or an exit point.

Course Structure
Students can directly enrol in the Master of IT (IT Graduates)(IT40) and gain credit for one or more graduate certificate awards while completing the program. They may also exit or graduate early from the course upon the successful completion of a graduate certificate (48 credit points) and/or a graduate diploma (96 credit points).

Further Information
If you require further information, visit the Faculty’s Home Page: www.fit.qut.edu.au, email: enquiry.fit@qut.edu.au or telephone: 07 3864 2782.

IT99 - Graduate Certificate in IT (Component Software and Web Services)

Four (4) units to be selected from the following

ITN711 Programming Abstraction
ITN713 Advanced Java Programming
ITN715 Web Services
ITN716 Advanced Web Applications Development
ITN717 Enterprise Software Architecture

ITN295 XML: Data and Document Processing
Bachelor of Engineering (Software Engineering) (IX25)

Year offered: 2007
Admissions: Yes
CRICOS code: 053707D
Course duration (full-time): 4 years

Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: $210 per credit point (subject to annual review)
Domestic fees (indicative): 2007: Full fee tuition $20,160; CSP $6,855
International Fees (per semester): 2007: $10,000 per semester (subject to annual review)
Domestic Entry: February
International Entry: February
QTAC code: 419502; Dfee: 419506
Past rank cut-off: 78; Dfee: 73
Past OP cut-off: 11; Dfee: 13
OP Guarantee: Yes
Assumed knowledge: English (4, SA) and Maths B (4, SA)
Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com
Total credit points: 384
Standard credit points per full-time semester: 48
Course coordinator: Dr R.Mahalinga-Iyer
Discipline coordinator: Dr Ed Palmer
Campus: Gardens Point

Recommended Study
Chemistry, Maths C and Physics

Career outcomes
Software Engineers create, maintain and modify computer and software programs such as operating systems or communications software. They may also evaluate and deploy new programming tools and techniques and analyse current software products. You may work in a range of occupational environments. Software engineers can work in Engineering/IT-specific industries, as well as in other organisations requiring software engineering expertise.

Overview
The course is a collaborative program between the Faculties of Built Environment & Engineering and Information Technology which provides students with the electrical engineering and software development skills to seek employment as software engineers. The engineering component consists of studies in electronic systems engineering while the information technology component concentrates on software engineering. These studies integrate into a cohesive course which gives a wide and advanced study of modern electronic and computing systems. This degree produces computer and electronic engineers especially suited for the development and application of electronic systems, including micro, mini and mainframe computer systems in all areas of industry.

Professional Recognition
Professional accreditation from Engineers Australia and the Australian Computer Society is being sought.

Special course requirements
Students are required to complete 60 days approved industrial experience.

Further Information
Faculty of Built Environment and Engineering Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.edu.au
Faculty of Information Technology Phone +61 7 3864 2782, Fax +61 7 3864 2703, email: fit.enquiry@qut.edu.au

Deferment
QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

IX25 - Bachelor of Engineering (Software Engineering) - Course structure

<table>
<thead>
<tr>
<th>Year 1 - Semester 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEB100</td>
</tr>
<tr>
<td>ITB001</td>
</tr>
<tr>
<td>MAB180</td>
</tr>
<tr>
<td>MAB131</td>
</tr>
<tr>
<td>PCB136</td>
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</table>

<table>
<thead>
<tr>
<th>Year 1 - Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEB200</td>
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<tr>
<td>ENB103</td>
</tr>
<tr>
<td>ITB003</td>
</tr>
<tr>
<td>MAB132</td>
</tr>
<tr>
<td>MAB182</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 2 - Semester 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENB240</td>
</tr>
<tr>
<td>ENB242</td>
</tr>
<tr>
<td>ITB004</td>
</tr>
<tr>
<td>MAB233</td>
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</table>

<p>| Year 2 - Semester 2 |</p>
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ENB243</td>
<td>Linear Circuits and Systems</td>
</tr>
<tr>
<td>ENB244</td>
<td>Microprocessors and Digital Systems</td>
</tr>
<tr>
<td>ITB006</td>
<td>Networks</td>
</tr>
<tr>
<td>ITB007</td>
<td>Web Development</td>
</tr>
<tr>
<td>Year 3 - Semester 1</td>
<td></td>
</tr>
<tr>
<td>EEB512</td>
<td>Industrial Electronics and Digital Design</td>
</tr>
<tr>
<td>EEB566</td>
<td>Real-Time Computer-Based Systems</td>
</tr>
<tr>
<td>EEB585</td>
<td>Systems Engineering Design</td>
</tr>
<tr>
<td>ITB720</td>
<td>Internet Protocols and Services</td>
</tr>
<tr>
<td>Year 3 - Semester 2</td>
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</tr>
<tr>
<td>EEB666</td>
<td>Communication Environments for Embedded Systems</td>
</tr>
<tr>
<td>EEB685</td>
<td>Advanced Systems Design</td>
</tr>
<tr>
<td>ITB009</td>
<td>Core Project Initiation</td>
</tr>
<tr>
<td>ITB715</td>
<td>Web Services</td>
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<tr>
<td>Year 4 - Semester 1</td>
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<tr>
<td>EEB781</td>
<td>Professional Studies 2</td>
</tr>
<tr>
<td>ITB844-1</td>
<td>Project</td>
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<td>OR</td>
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<tr>
<td>EEB782-1</td>
<td>Systems Project</td>
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<tr>
<td>IT Elective</td>
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<td>Year 4 - Semester 2</td>
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<td>ITB844-2</td>
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<td>OR</td>
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<td>EEB782-2</td>
<td>Systems Project</td>
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<td>IT Elective</td>
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<td>Elective</td>
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</tbody>
</table>

**Note:**
- This course is subject to University approval
- Students are required to undertake five electives as follows: One General Elective, two from Electrical Engineering and two from Information Technology.
- Students who opt to complete the Cooperative Education Program will substitute ITS010 for ITB613

**General Elective**
A QUT degree level unit in the areas of Commercialisation or internationalisation (foreign language) selected in consultation with the Course Coordinator.

**Electrical Engineering electives (Two to be selected)**
- EEB992 VLSI Circuits and Systems
- EEP104 Real-Time Operating Systems
- EEP120 Networks and Distributed Computing

**Information Technology electives (Two to be selected)**
- ITB713 Advanced Java Programming
- ITB716 Advanced Web Applications Development
- ITB743 Artificial Intelligence
- ITB745 Operating Systems
- ITB746 Modelling and Animation Techniques
- ITB747 Real Time Rendering Techniques

**Potential Careers:**
Computer Systems Engineer, Data Communications Specialist, Electrical and Computer Engineer, Electrical Engineer, Software Engineer, Systems Programmer.
Bachelor of Applied Science / Bachelor of Information Technology (IX26)

Year offered: 2007
Admissions: Yes
CRICOS code: 020327M
Course duration (full-time): 4 years

**Domestic fees (per credit point):** Commonwealth Supported Place; Full fee tuition 2007: $210 per credit point (subject to annual review)

**Domestic fees (indicative):** 2007: $20,160; CSP $7,118

International Fees (per semester): 2007: $9,000 per semester (subject to annual review)

**Domestic Entry:** February

**QTAC code:** 419302; Dfee: 419306

**Past rank cut-off:** 72; Dfee: 68

**Past OP cut-off:** 13; Dfee: 15

**OP Guarantee:** Yes

**Assumed knowledge:** English (4, SA) and Maths B (4, SA)

**Preparatory studies:** MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com

**Course coordinator:** Dr Megan Hargreaves (Science), Ms Ruth Christie (IT)

**Campus:** Gardens Point

**Professional Recognition**
Graduates will satisfy the requirements for membership in the relevant professional body for their chosen science major. See the Bachelor of Applied Science (SC01) course for details. Graduates are also eligible for membership of the Australian Computer Society (ACS).

**Course Design**
The science component of the course offers students a choice of one of nine majors: Biochemistry, Biotechnology, Chemistry, Ecology, Environmental Science, Forensic Science, Geoscience, Microbiology and Physics. See the Bachelor of Applied Science (SC01) course information for more details. So that students can complete the double degree in a shorter period of time, co-majors are to be taken from the information technology program.

The information technology component gives students the opportunity to undertake a combined major in Data Communications and Software Engineering. Theoretical aspects are balanced by strong practical components in both the science and information technology degrees.

**Cooperative Education Program**
An optional one-year period of paid work experience in an area of information technology is available to eligible full-time students. The Cooperative Education Program is a joint venture between employers and educators to better prepare students for employment upon graduation. Companies that QUT’s Cooperative Education students have worked with include Energex, Boeing, CITEC, Global Banking and Securities Transaction, various Queensland Government departments, Dialog, TABQ, RACQ and Sun Microsystems.

**For more information visit** www.fit.qut.edu.au/courses/undergrad/coop/

**Deferment**
QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, portfolios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

**IX26 - Bachelor of Applied Science/Bachelor of Information Technology Course Structure**

**Year 1, Semester 1**
- ITB002 IT Professional Studies
- ITB005 Systems Architecture
- Science Core Unit
- Science Core Unit

**Year 1, Semester 2**
- ITB004 Database Systems
- ITB006 Networks
- Science Core Unit
- Science Core Unit

**Year 2, Semester 1**
- ITB001 Problem Solving and Programming
- ITB008 Modelling Analysis and Design
- Science Core Unit
- Science Major Unit

**Year 2, Semester 2**
- ITB003 Object Oriented Programming
- ITB007 Web Development
- Science Core Unit
- Science Major Unit

**Year 3, Semester 1**
- IT Major Unit
- IT Major Unit
- Science Major Unit
- Science Major Unit

**Year 3, Semester 2**
- ITB009 Core Project Initiation
- IT Major Unit
- Science Major Unit
- Science Major Unit
Science Major Unit

Year 4, Semester 1
ITB010 Core Project Implementation
IT Major Unit
Science Major Unit
Science Major Unit

Year 4, Semester 2
IT Major Unit
IT Major Unit
Science Major Unit
Science Major Unit

Business Systems Engineering Major

Compulsory Units
ITB222 Systems Analysis and Design
ITB228 Enterprise Systems
ITB245 R/3 System Administration
ITB298 Business Process Engineering

IS Elective Units
Select two (2) units from the following list
ITB218 Applications Programming
ITB223 Software Development with ORACLE
ITB230 Project
ITB237 Advanced Databases
ITB255 Knowledge Management
ITB266 Information Management
ITB267 Business Analytics
ITB272 Information Technology Project Management
ITB294 Information Quality
ITB322 Information Resources

Databases Major

Compulsory Units
ITB229 Database Design
ITB232 Database Management
ITB239 Enterprise Data Mining
ITB295 XML: Data and Document Processing

IS Elective Units
Select two (2) units from the following list
ITB218 Applications Programming
ITB223 Software Development with ORACLE
ITB230 Project
ITB237 Advanced Databases
ITB245 R/3 System Administration

Information and Knowledge Management Major

Please contact the Course Coordinator for enrolment advice

Electronic Business Major

Compulsory Units
ITB233 Enterprise Systems Applications
ITB239 Enterprise Data Mining
ITB260 E-Commerce Site Development
BSB212 Electronic Business Applications
BSB213 Governance Issues in E-Business
BSB314 E-Business Intelligence

Games Technology Major

Compulsory Units
ITB711 Programming Abstraction
ITB743 Artificial Intelligence
ITB746 Modelling and Animation Techniques
ITB747 Real Time Rendering Techniques
ITB749 Scientific Programming
MAB281 Mathematics for Computer Graphics

Information Technology Management Major

Compulsory Units
ITB222 Systems Analysis and Design
ITB241 Information Technology Management
ITB264 Information Systems Consulting
ITB272 Information Technology Project Management

IS Elective Units
Select two (2) units from the following list
ITB218 Applications Programming
ITB223 Software Development with ORACLE
ITB230 Project
ITB237 Advanced Databases
ITB245 R/3 System Administration
ITB255 Knowledge Management
ITB266 Information Management
ITB267 Business Analytics
ITB272 Information Technology Project Management
ITB294 Information Quality
### Intelligent Systems Major

#### Compulsory Units
- ITB239 Enterprise Data Mining
- ITB295 XML: Data and Document Processing
- ITB740 Agent Based Software Engineering
- ITB741 Information Retrieval Technology

#### Elective Units
- Select two (2) units from the following list
  - ITB322 Information Resources
  - ITB710 Fundamentals of Computer Science
  - ITB715 Web Services
  - ITB742 Computational Intelligence
  - ITB743 Artificial Intelligence

### Information Systems Major

#### Compulsory Units
- ITB228 Enterprise Systems
- ITB229 Database Design
- ITB260 E-Commerce Site Development

#### IS Elective Units
- Select two (2) units from the following list
  - ITB218 Applications Programming
  - ITB223 Software Development with ORACLE
  - ITB230 Project
  - ITB237 Advanced Databases
  - ITB266 Information Management
  - ITB267 Business Analytics
  - ITB322 Information Resources

### Interactive Media Major

#### Compulsory Units
- ITB254 Interaction Design
- ITB257 Multimedia Systems
- ITB259 Advanced Multimedia Systems
- KIB101 Foundations of Communication Design 1
- KIB102 Foundations of Communication Design 2

#### Elective Units
- Select one (1) unit from the following list
  - KIB103 Media Technology 1
  - KIB105 Animation and Motion Graphics
  - KIB108 Animation Practices

### Network Systems Major

#### Compulsory Units
- ITB720 Internet Protocols and Services
- ITB721 Unix Network Administration
- ITB722 Network Planning and Deployment

#### Elective Units
- Select three (3) units from the following list
  - ITB710 Fundamentals of Computer Science
  - ITB723 Wireless and Mobile Devices
  - ITB745 Operating Systems
  - ITS701 Ccna 1 & 2: Internetworking and Routing Basics
  - ITS702 Ccna 3 & 4: Switching and Wide Area Networking

### Security Major

#### Compulsory Units
- ITB720 Internet Protocols and Services
- ITB721 Unix Network Administration
- ITB730 Information Security Fundamentals
- ITB731 Security Technologies
- ITB732 Cryptology and Protocols
- ITB733 Network Security

### Software Architecture Major

#### Compulsory Units
- ITB229 Database Design
- ITB710 Fundamentals of Computer Science
- ITB711 Programming Abstraction
- ITB712 Software Engineering Studies
- ITB713 Advanced Java Programming
- ITB717 Enterprise Software Architecture

### Web Services and Applications Major

#### Compulsory Units
- ITB254 Interaction Design
- ITB260 E-Commerce Site Development
- ITB295 XML: Data and Document Processing
- ITB716 Advanced Web Applications Development
- ITB717 Enterprise Software Architecture
- ITB715 Web Services

### Course structure - Major in Biochemistry

#### Year 1, Semester 1
- LSB118 Life Science
- Either
  - PCB140 Introductory Chemistry
  - Or
  - PCB142 Chemistry 1
<table>
<thead>
<tr>
<th>Course structure - Major in Biotechnology</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
</tr>
<tr>
<td>LSB118  Life Science</td>
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<tr>
<td>Either</td>
</tr>
<tr>
<td>PCB140  Introductory Chemistry</td>
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<tr>
<td>Or</td>
</tr>
<tr>
<td>PCB142  Chemistry 1</td>
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<tr>
<td><strong>Year 1, Semester 2</strong></td>
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<tr>
<td>LSB238  Cell and Molecular Biology 1</td>
</tr>
<tr>
<td>PCB242  Chemistry 2</td>
</tr>
<tr>
<td><strong>Year 2, Semester 1</strong></td>
</tr>
<tr>
<td>MAB101  Statistical Data Analysis 1</td>
</tr>
<tr>
<td>PCB101  Physical Science</td>
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<td><strong>Year 2, Semester 2</strong></td>
</tr>
<tr>
<td>LSB258  Principles of Human Physiology</td>
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<tr>
<td>NRB270  Animal and Plant Structure and Function</td>
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<td><strong>Year 3, Semester 1</strong></td>
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<tr>
<td>LSB308  Biochemistry</td>
</tr>
<tr>
<td>LSB338  Cell and Molecular Biology 2</td>
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<tr>
<td><strong>Year 3, Semester 2</strong></td>
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<tr>
<td>LSB408  Metabolism</td>
</tr>
<tr>
<td>LSB468  Molecular Biology</td>
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<td><strong>Year 4, Semester 1</strong></td>
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<tr>
<td>LSB508  Advanced Metabolism</td>
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<tr>
<td>LSB527  Biomedical Research Technologies</td>
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<tr>
<td>LSB607  Protein Purification</td>
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<tr>
<td>LSB608  Protein Science</td>
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<td><strong>Course structure - Major in Chemistry</strong></td>
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<td><strong>Year 1, Semester 1</strong></td>
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<tr>
<td>MAB100  Mathematical Sciences 1A</td>
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<tr>
<td>Either</td>
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<tr>
<td>PCB140  Introductory Chemistry</td>
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<tr>
<td>Or</td>
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<tr>
<td>PCB142  Chemistry 1</td>
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<tr>
<td>MAB101  Statistical Data Analysis 1</td>
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<tr>
<td>PCB242  Chemistry 2</td>
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<tr>
<td>LSB118  Life Science</td>
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<tr>
<td>PCB101  Physical Science</td>
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<td><strong>Year 2, Semester 2</strong></td>
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<td>PCB150  Physics 1H</td>
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<td>PCB200  Chemical Technology 1</td>
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<td>PCB334  Inorganic Chemistry</td>
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<td>PCB354  Structure and Mechanism in Organic Chemistry</td>
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<td><strong>Year 3, Semester 2</strong></td>
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<tr>
<td>PCB405  Principles of Physical Chemistry</td>
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<tr>
<td>PCB444  Spectroscopy</td>
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<tr>
<td>PCB505  Advanced Physical Chemistry</td>
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<tr>
<td>PCB554  Synthesis and Reactivity in Organic Chemistry</td>
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<td><strong>Year 4, Semester 2</strong></td>
</tr>
<tr>
<td>PCB634  Organometallic and Coordination Chemistry</td>
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</table>
### Course structure - Major in Ecology

#### Year 1, Semester 1
- LSB118 Life Science
- NRB100 Environmental Science

#### Year 1, Semester 2
- MAB101 Statistical Data Analysis 1
- NRB270 Animal and Plant Structure and Function

#### Year 2, Semester 1
- NRB230 Planet Earth
- PCB101 Physical Science

#### Year 2, Semester 2
- LSB238 Cell and Molecular Biology 1
- NRB240 History of Life on Earth

#### Year 3, Semester 1
- NRB301 Earth Surface Systems
- NRB311 Population Ecology

#### Year 3, Semester 2
- NRB412 Experimental Design
- NRB440 Environmental Chemistry

#### Year 4, Semester 1
- NRB500 Environmental Systems and Modelling
- NRB601 Field Mapping and Monitoring of Natural Resources

#### Year 4, Semester 2
- NRB501 Spatial Analysis of Environmental Systems
- NRB600 Sustainable Environmental Management

### Course structure - Major in Environmental Science

#### Year 1, Semester 1
- LSB118 Life Science
- Either
  - PCB140 Introductory Chemistry
  - Or
  - PCB142 Chemistry 1

#### Year 1, Semester 2
- MAB101 Statistical Data Analysis 1
- PCB242 Chemistry 2

#### Year 2, Semester 1
- MAB100 Mathematical Sciences 1A
- PCB101 Physical Science

#### Year 2, Semester 2
- LSB238 Cell and Molecular Biology 1
- LSB258 Principles of Human Physiology

#### Year 3, Semester 1
- LSB468 Molecular Biology
- SCB384 Forensic Science

#### Year 3, Semester 2
- JSB979 Forensic Scientific Evidence
- PCB414 Industrial and Environmental Analytical Chemistry

#### Year 4, Semester 1
- PCB514 Instrumental Analysis
- PCB584 Forensic Examination of Physical Evidence
<table>
<thead>
<tr>
<th>Year 4, Semester 2</th>
<th>Year 1, Semester 2</th>
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</thead>
<tbody>
<tr>
<td>LSB684 Forensic DNA Profiling</td>
<td>LSB238 Cell and Molecular Biology 1</td>
</tr>
<tr>
<td>PCB684 Forensic Analysis and Toxicology</td>
<td>PCB242 Chemistry 2</td>
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</table>

**Course structure - Major in Geoscience**

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Year 2, Semester 1</th>
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</thead>
<tbody>
<tr>
<td>NRB100 Environmental Science</td>
<td>MAB101 Statistical Data Analysis 1</td>
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<tr>
<td>NRB230 Planet Earth</td>
<td>PCB101 Physical Science</td>
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<table>
<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>Year 2, Semester 2</th>
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</thead>
<tbody>
<tr>
<td>MAB101 Statistical Data Analysis 1</td>
<td>LSB258 Principles of Human Physiology</td>
</tr>
<tr>
<td>PCB142 Chemistry 1</td>
<td>NRB270 Animal and Plant Structure and Function</td>
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<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>Year 3, Semester 1</th>
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</thead>
<tbody>
<tr>
<td>MAB100 Mathematical Sciences 1A</td>
<td>LSB308 Biochemistry</td>
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<tr>
<td>PCB101 Physical Science</td>
<td>LSB328 Microbiology 1</td>
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<th>Year 2, Semester 2</th>
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<tbody>
<tr>
<td>LSB118 Life Science</td>
<td>LSB428 Microbiology 2</td>
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<tr>
<td>NRB240 History of Life on Earth</td>
<td>LSB468 Molecular Biology</td>
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<tr>
<th>Year 3, Semester 1</th>
<th>Year 4, Semester 1</th>
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<tr>
<td>NRB301 Earth Surface Systems</td>
<td>Two units selected from:</td>
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<tr>
<td>NRB333 Mineralogy</td>
<td>LSB528 Environmental Microbiology</td>
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<tr>
<td>NRB434 Structural Geology</td>
<td>LSB547 Bacterial Pathogenesis and Disease Diagnosis</td>
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<tr>
<td>NRB436 Introduction to Igneous and Metamorphic Petrology</td>
<td>LSB568 Electron Microscopy</td>
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<tr>
<td>NRB534 Geophysics</td>
<td>LSB578 Virology</td>
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<tr>
<td>NRB536 Petrology and Geochemistry</td>
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<tr>
<td>NRB601 Field Mapping and Monitoring of Natural Resources</td>
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<thead>
<tr>
<th>Year 4, Semester 2</th>
<th>Year 4, Semester 2</th>
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</thead>
<tbody>
<tr>
<td>Two units selected from:</td>
<td>Two units selected from:</td>
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<tr>
<td>NRB633 Hydrogeology</td>
<td>LSB628 Food Microbiology</td>
</tr>
<tr>
<td>NRB635 Plate Tectonics and Advanced Structural Geology</td>
<td>LSB647 Clinical Mycology and Parasitology</td>
</tr>
<tr>
<td>NRB636 Petroleum Geology and Basin Analysis</td>
<td>LSB648 Molecular Microbiology</td>
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</table>

**Course structure - Major in Microbiology**

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>Year 1, Semester 2</th>
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</thead>
<tbody>
<tr>
<td>LSB118 Life Science</td>
<td>MAB111 Mathematical Sciences 1B</td>
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<tr>
<td>Either</td>
<td>PCB101 Physical Science</td>
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<tr>
<td>PCB140 Introductory Chemistry</td>
<td>Year 1, Semester 2</td>
</tr>
<tr>
<td>Or</td>
<td>MAB112 Mathematical Sciences 1C</td>
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<tr>
<td>PCB142 Chemistry 1</td>
<td>SCB222 Exploration of the Universe</td>
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<table>
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<tr>
<th>Year 2, Semester 1</th>
<th>Year 2, Semester 2</th>
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<tbody>
<tr>
<td>MAB311 Advanced Calculus</td>
<td>PCB250 Physics 1</td>
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<tr>
<td>PCB107 Physics and Quantitative Techniques</td>
<td>PCB260 Physics 1A</td>
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<tr>
<th>Year 3, Semester 1</th>
<th>Year 3, Semester 1</th>
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<tbody>
<tr>
<td>PCB361 AC Theory and Electronics</td>
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</table>
PCB362 Physics 2

Year 3, Semester 2
PCB460 Instrumentation and Computational Methods
PCB462 Thermodynamics and Solid State Physics

Year 4, Semester 1
PCB561 Quantum and Condensed Matter Physics
PCB562 Physical Methods of Analysis

Year 4, Semester 2
PCB661 Experimental Physics
PCB665 Physics 3

Minors Unit Sets
You can pick from x of these
ASF001 Australian Studies 1
PYB159 Alcohol & Other Drug Studies
BSD117 Professional Communication and Negotiation
HMB317 Outdoor Education
There is more

Potential Careers:
Bachelor of Creative Industries / Bachelor of Information Technology (IX27)

Year offered: 2007
Admissions: Yes
CRICOS code: 059227E

Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: $160 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $15360
International Fees (per semester): 2007: $9,000 per semester (subject to annual review)

Domestic Entry: February
International Entry: February

Domestic fees (indicative): 2007: $160 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $9,000 per semester (subject to annual review)

Past rank cut-off: 10
Past OP cut-off: 80

Assumed knowledge: English (4, SA), and for games technology and security majors, Maths B (4, SA), or for all other majors, Maths A, B or C (4, SA)

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or

Standard credit points per full-time semester: 48
Course coordinator: IT: Ms Ruth Christie; Creative Industries: Head, Undergraduate Studies (ugenq.ci@qut.edu.au)
Campus: Gardens Point and Kelvin Grove

General
This four-year program gives you the opportunity to allow your creative side to shine through as it complements your technical information technology skills. The integrated program consists of 16 creative industries units and 16 information technology units so that you will study both creative industries and information technology units in each semester. You will choose one creative industries major from communication design, interdisciplinary, music or sound design. You will also choose one information technology major from business systems engineering, databases, electronic business, games technology, information and knowledge management, information systems, information technology management, intelligent systems, security, network systems, software architecture, or web services and applications.

Career Outcomes
Career outcomes vary depending on the specialisations undertaken in each of the component degrees. Graduates enjoy a range of jobs including digital media programmer, simulation designer or developer, quality assurance tester, sound designer, mobile entertainment and communications developer, knowledge worker in music and sound, web developer and digital product strategist.

Additional Entry Requirements (for the majors below)
In addition to meeting the cut-off applicants who wish to study one of the following Creative Industries majors below must also pass the additional entry requirement listed below. Please note registrations to attend an audition or submission of portfolio as well as submission of additional materials to QUT have closed for 2006. Late registrations and submissions will not be accepted.


Sound Design: Portfolio and interview. Closed on 20 October 2006.

OP Guarantee
The OP Guarantee does not apply to this course.

Deferment
QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Domestic student tuition fee (Dfee) places
Undergraduate domestic full fee places (Dfee) are not available in this course. Tuition fees are only applicable to currently enrolled students who were unable to comply regulations regarding their original Commonwealth Supported place (i.e. failure to lodge an eCAF, has consumed of other their Student Learning Entitlement etc.) and who have been invited and accepted to continue as a fee-paying student.

IX27 - Bachelor of Creative Industries/Bachelor of Information Technology Course structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
<th>ITB002</th>
<th>IT Professional Studies</th>
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<tbody>
<tr>
<td>ITB005</td>
<td></td>
<td>Systems Architecture</td>
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<tr>
<td></td>
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<thead>
<tr>
<th>Year 1, Semester 2</th>
<th>ITB004</th>
<th>Database Systems</th>
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<tbody>
<tr>
<td>ITB006</td>
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<td>Networks</td>
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<tr>
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<table>
<thead>
<tr>
<th>Year 2, Semester 1</th>
<th>ITB001</th>
<th>Problem Solving and Programming</th>
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<tbody>
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<td>ITB008</td>
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<td>Modelling Analysis and Design</td>
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<th>Year 2, Semester 2</th>
<th>ITB003</th>
<th>Object Oriented Programming</th>
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<td>Course structure for Interdisciplinary major</td>
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<td><strong>Year 1, Semester 1</strong></td>
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<tr>
<td>Creative Industries Core Unit</td>
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<tr>
<td>Sub-Major 1</td>
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<td><strong>Year 2, Semester 1</strong></td>
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<tr>
<td>Sub-Major 1</td>
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<tr>
<td>Sub-Major 2</td>
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<tr>
<td><strong>Year 2, Semester 2</strong></td>
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<tr>
<td>Sub-Major 1</td>
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<td>Sub-Major 2</td>
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<td>Sub-Major 2</td>
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<td><strong>Year 3, Semester 2</strong></td>
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<td>Sub-Major 2</td>
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<td><strong>Year 4, Semester 2</strong></td>
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<td>Creative Industries Elective</td>
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<td>Sub-Major 2</td>
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Please note: At least eight of your sub-major units must be K-coded units

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<tr>
<th>Course structure for Music major</th>
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<tbody>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
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<tr>
<td>Creative Industries Core Unit</td>
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<tr>
<td>KMB003 Sex Drugs Rock ’n’ roll</td>
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<tr>
<td>OR</td>
</tr>
<tr>
<td>KMB005-1 Group Music</td>
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<tr>
<td><strong>Year 1, Semester 2</strong></td>
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<tr>
<td>Creative Industries Core Unit</td>
</tr>
<tr>
<td>KMB105 Music and Sound Technology</td>
</tr>
<tr>
<td>The following unit to be taken if KMB005-1 Group Music completed in semester 1:</td>
</tr>
<tr>
<td>KMB005-2 Group Music</td>
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<tr>
<td><strong>Year 2, Semester 1</strong></td>
</tr>
<tr>
<td>KMB130 Core Musicianship 1</td>
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<tr>
<td>KMB110 Music Production 1</td>
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</tr>
<tr>
<td>KMB120 Music Performance 1</td>
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<tr>
<td><strong>Year 2, Semester 2</strong></td>
</tr>
<tr>
<td>KMB131 Core Musicianship 2</td>
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<tr>
<td>KMB111 Music Production 2</td>
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<tr>
<td>OR</td>
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<tr>
<td>KMB121 Music Performance 2</td>
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<tr>
<td>Music Elective</td>
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<tr>
<td>KMB214-1 Music and Sound: Principal Study A</td>
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<tr>
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<td>Creative Industries Elective</td>
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<tr>
<td>Music Elective</td>
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<table>
<thead>
<tr>
<th>Course structure for Communication Design major</th>
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<tbody>
<tr>
<td><strong>Year 1, Semester 1</strong></td>
</tr>
<tr>
<td>Creative Industries Core Unit</td>
</tr>
<tr>
<td>KIB101 Foundations of Communication Design 1</td>
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<thead>
<tr>
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<tr>
<td>Creative Industries Elective</td>
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<tr>
<td>KIB103 Media Technology 1</td>
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<tr>
<td>Creative Industries Elective</td>
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<tr>
<td>KIB104 Media Technology 2</td>
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<tr>
<th>Year 3, Semester 1</th>
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<tbody>
<tr>
<td>Design Studio 1: Interaction Design</td>
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<th>Year 3, Semester 2</th>
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<tr>
<td>Design Studio 2: Web Development</td>
</tr>
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<th>Year 4, Semester 1</th>
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<tr>
<td>Design Studio 3: Virtual Environments</td>
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<td>KIB310</td>
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<th>Year 4, Semester 2</th>
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<tbody>
<tr>
<td>Design Studio 4: Tangible Media</td>
</tr>
<tr>
<td>KIB311</td>
</tr>
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**Course structure for Sound Design major**

<table>
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<th>Year 1, Semester 1</th>
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<tbody>
<tr>
<td>Creative Industries Core Unit</td>
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<tr>
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<th>Year 2, Semester 1</th>
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<tbody>
<tr>
<td>Music and Sound Skills</td>
</tr>
<tr>
<td>KMB104</td>
</tr>
<tr>
<td>Music Production 1</td>
</tr>
<tr>
<td>KMB110</td>
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<th>Year 2, Semester 2</th>
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</thead>
<tbody>
<tr>
<td>Sound, Image, Text</td>
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<tr>
<td>KMB107</td>
</tr>
<tr>
<td>Music Production 2</td>
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<tr>
<td>KMB111</td>
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<tr>
<td>Sound Media Musicianship</td>
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<tr>
<td>KMB205</td>
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<thead>
<tr>
<th>Year 4, Semester 1</th>
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<tr>
<td>Creative Industries Elective</td>
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<tr>
<td>KKB290 Supervised Group Project</td>
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**Business Systems Engineering Major**

<table>
<thead>
<tr>
<th>Compulsory Units</th>
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<tbody>
<tr>
<td>ITB222 Systems Analysis and Design</td>
</tr>
<tr>
<td>ITB228 Enterprise Systems</td>
</tr>
<tr>
<td>ITB245 R/3 System Administration</td>
</tr>
<tr>
<td>ITB298 Business Process Engineering</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>IS Elective Units</th>
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<tbody>
<tr>
<td>Select two (2) units from the following list</td>
</tr>
<tr>
<td>ITB218 Applications Programming</td>
</tr>
<tr>
<td>ITB223 Software Development with ORACLE</td>
</tr>
<tr>
<td>ITB230 Project</td>
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<tr>
<td>ITB237 Advanced Databases</td>
</tr>
<tr>
<td>ITB245 R/3 System Administration</td>
</tr>
<tr>
<td>ITB255 Knowledge Management</td>
</tr>
<tr>
<td>ITB266 Information Management</td>
</tr>
<tr>
<td>ITB267 Business Analytics</td>
</tr>
<tr>
<td>ITB272 Information Technology Project Management</td>
</tr>
<tr>
<td>ITB294 Information Quality</td>
</tr>
<tr>
<td>ITB322 Information Resources</td>
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**Databases Major**

<table>
<thead>
<tr>
<th>Compulsory Units</th>
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</thead>
<tbody>
<tr>
<td>ITB229 Database Design</td>
</tr>
<tr>
<td>ITB232 Database Management</td>
</tr>
<tr>
<td>ITB239 Enterprise Data Mining</td>
</tr>
<tr>
<td>ITB295 XML: Data and Document Processing</td>
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</table>

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<tr>
<td>ITB255 Knowledge Management</td>
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<tr>
<td>ITB266 Information Management</td>
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<td>ITB267 Business Analytics</td>
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</tr>
<tr>
<td>ITB294 Information Quality</td>
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<tr>
<td>ITB322 Information Resources</td>
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**Electronic Business Major**

<table>
<thead>
<tr>
<th>Compulsory Units</th>
</tr>
</thead>
</table>

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Games Technology Major

**Compulsory Units**
- ITB711 Programming Abstraction
- ITB743 Artificial Intelligence
- ITB746 Modelling and Animation Techniques
- ITB747 Real Time Rendering Techniques
- ITB749 Scientific Programming
- MAB281 Mathematics for Computer Graphics

**Information and Knowledge Management Major**

Please contact the Course Coordinator for enrolment advice

**Information Technology Management Major**

**Compulsory Units**
- ITB222 Systems Analysis and Design
- ITB241 Information Technology Management
- ITB264 Information Systems Consulting
- ITB272 Information Technology Project Management

**IS Elective Units**
- Select two (2) units from the following list
  - ITB218 Applications Programming
  - ITB223 Software Development with ORACLE
  - ITB230 Project
  - ITB237 Advanced Databases
  - ITB245 R/3 System Administration
  - ITB255 Knowledge Management
  - ITB266 Information Management
  - ITB267 Business Analytics
  - ITB272 Information Technology Project Management
  - ITB294 Information Quality
  - ITB322 Information Resources

**Information Systems Major**

**Compulsory Units**
- ITB228 Enterprise Systems
- ITB229 Database Design
- ITB260 E-Commerce Site Development

**IS Elective Units**
- Select two (2) units from the following list
  - ITB218 Applications Programming
  - ITB223 Software Development with ORACLE
  - ITB230 Project
  - ITB237 Advanced Databases
  - ITB266 Information Management
  - ITB267 Business Analytics
  - ITB322 Information Resources

**Intelligent Systems Major**

**Compulsory Units**
- ITB239 Enterprise Data Mining
- ITB295 XML: Data and Document Processing
- ITB740 Agent Based Software Engineering
- ITB741 Information Retrieval Technology

**Elective Units**
- Select two (2) units from the following list
  - ITB322 Information Resources
  - ITB710 Fundamentals of Computer Science
  - ITB715 Web Services
  - ITB742 Computational Intelligence
  - ITB743 Artificial Intelligence

**Network Systems Major**

**Compulsory Units**
- ITB720 Internet Protocols and Services
- ITB721 Unix Network Administration
- ITB722 Network Planning and Deployment

**Elective Units**
- Select three (3) units from the following list
  - ITB710 Fundamentals of Computer Science
  - ITB723 Wireless and Mobile Devices
  - ITB745 Operating Systems
  - ITS701 Ccna 1 & 2: Internetworking and Routing Basics
  - ITS702 Ccna 3 & 4: Switching and Wide Area Networking

**Security Major**

**Compulsory Units**
- ITB720 Internet Protocols and Services
- ITB721 Unix Network Administration
- ITB730 Information Security Fundamentals
- ITB731 Security Technologies
- ITB732 Cryptology and Protocols
- ITB733 Network Security

**Software Architecture Major**
Compulsory Units

ITB229 Database Design
ITB710 Fundamentals of Computer Science
ITB711 Programming Abstraction
ITB712 Software Engineering Studies
ITB713 Advanced Java Programming
ITB717 Enterprise Software Architecture

Web Services and Applications Major

Compulsory Units

ITB254 Interaction Design
ITB260 E-Commerce Site Development
ITB295 XML: Data and Document Processing
ITB716 Advanced Web Applications Development
ITB717 Enterprise Software Architecture
ITB715 Web Services

Creative Industries Core Units

KKB007 Introduction to Multimedia Technology
KKB008 Narrative in the Creative Industries
KKB009 Writing for Creative Industries
KKB010 Cultures and Creativity
KKB018 Creative Industries

Creative Industries Faculty Undergraduate Open Electives

These unit offerings are current at the time of publication but are subject to change.

Creative Industries students may choose elective units from the following list OR from outside the Faculty area subject to the following guidelines:

* you cannot select a unit that forms part of the compulsory units of your course or the compulsory units of your chosen sub-major area.
* you must obey any elective rules as set out in your course requirements
* you must have successfully completed any pre/co-requisite units applicable
* the offering of elective units is subject to sufficient student enrolment numbers and staff availability
* some units are subject to quota restrictions

Semester 1

Media & Communication Discipline

KCB101 Communication in the New Economy
KCB102 Media and Society: From Printing Press to Internet

Information Technology
KVB304 Contemporary Art Issues  
Creative Writing & Cultural Studies Discipline

KWB001 Introduction to Literary Theory and Cultural Studies

KWB003 Modern Times (Literature and Culture in the 20th Century)

KWB005 Wonderlands: Literature and Culture in the 19th Century

KWB101 Introduction to Creative Writing

KWB102 Media Writing

KWB103 Persuasive Writing

KWB104 Creative Writing: The Short Story

KWB105 Film and Television Scriptwriting

KWB107 Introduction to Creative Non-Fiction

Semester 2

KCB101 Communication in the New Economy

KCB103 Strategic Speech Communication

KCB104 Media and Communications Industries

KCB105 Media and Communication Research Methods

KCB202 New Media Technologies

KCB203 Consumer Cultures

KDB106 Dance Analysis

KDB109 Funk, Tap and all that Jazz

KDB204 Australian Dance Faculty

KKB004 Indigenous Creative Industries

KKB290 Supervised Group Project

KKB357 Independent Study

KKB320 Workplace Learning

KKB330 Workplace Learning

KKB340-1 Workplace Learning

KKB340-2 Workplace Learning

KFB105 Fashion and Modernity

KJB101 Journalism Information Systems

KJB120 Newswriting

KJB121 Journalistic Inquiry

KJB224 Feature Writing

KJB280 International Journalism

KJB337 Public Affairs Reporting

KMB002 Music and Spirituality

KMB007 Introductory Ensemble

KMB105 Music and Sound Technology

KMB107 Sound and Image

KMB108 Sound Recording and Acoustics

KPB103 Film Genres

KPB104 Film and Television Production Resource Management

KPB107 Television Genres

KPB205 Documentary Theory and Practice

KPB206 International Cinema

KTB062 Creative Industries Events and Festivals

KTB104 Performance Innovation

KTB207 Staging Australia

KWB002 Ozlit

KWB004 Shakespeare, Then and Now

KWB006 Popular Fictions, Popular Culture

KWB007 Indigenous Writing

KWB102 Media Writing

KWB104 Creative Writing: The Short Story

KWB105 Film and Television Scriptwriting

KWB106 Corporate Writing and Editing

KWB204 Creative Non-Fiction: Life Writing

KWB206 Youth and Children's Writing

NOTES:

* Only one Workplace Learning unit may be completed
* KKB290, KKB357, KKB320, KKB330, KKB340-1 and KKB340-2 are only available to students enrolled in Creative Industries courses.

Potential Careers:

Advertising Professional, Animator, Arts Administrator, Composer, Computer Game Programmer, Computer Games Developer, Creative Writer, D.J, Digital Composer, Film Composer, Film/Television Producer, Information Officer, Information Security Specialist, Internet Professional, Journalist, Marketing Officer/Manager, Media Industry Specialist, Multimedia Designer, Music Agent/Manager, Music Publisher, Music Sampler, Music Teacher, Music Technologist, Musical Director, Musician, Organisational Communication Specialist, Public Relations Officer/Consultant, Publishing Professional, Recording Engineer, Song Writer, Sound and Music Producer, Sound Designer, Sound/Audio Engineer, Web Designer.
Bachelor of Information Technology / Bachelor of Mathematics (IX29)

Year offered: 2007
Admissions: Yes
CRICOS code: 059226F
Course duration (full-time): 4 years

Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: $210 per credit point (subject to annual review)
Domestic fees (indicative): 2007: Full fee tuition $20,160; CSP $7,118
International Fees (per semester): 2007: $9,000 per semester (subject to annual review)

Domestic Entry: February
International Entry: February
QTAC code: 419552; Dfee: 419556
Past rank cut-off: 70. Dfee places were not offered last year.
Past OP cut-off: 14. Dfee places were not offered last year.
OP Guarantee: Yes
Assumed knowledge: English (4,SA) and Maths B (4,SA)
Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com
Total credit points: 384
Course coordinator: Professor Helen MacGillivray (Science), Ms Ruth Christie (IT)
Discipline coordinator: Dr Gary Carter (Mathematics)
Campus: Gardens Point

Professional Recognition
On graduation, students will be eligible for membership of the Mathematical Society of Australia, the Statistical Society of Australia Inc and, depending on unit selection, the Australian Society for Operations Research. Graduates of the Bachelor of Information Technology meet the knowledge requirement for admission to the Australian Computer Society.

Course Design
This double degree comprises 384 credit points with 192 credit points from Information Technology and 192 credit points form Mathematics. All majors in the Bachelor of Information Technology are available.

Cooperative Education Program
An optional one-year period of paid work experience in an area of information technology is available to eligible full-time students. The Cooperative Education Program is a joint venture between employers and educators to better prepare students for employment upon graduation. Companies that QUT's Cooperative Education students have worked with include Energex, Boeing, CITEC, Global Banking and Securities Transaction, various Queensland Government departments, Dialog, TABQ, RACQ and Sun Microsystems.

Mathematics Bursaries
Students enrolled in this course can apply for industry-sponsored bursaries. These bursaries are awarded to Australian citizens or permanent residents on a competitive basis. Applications should be submitted by 1 December of the year preceding entry to the course. For further information see www.maths.qut.edu.au

Contact Details
Information Technology Coordinator
Ms Ruth Christie
Phone: +61 7 3138 2736
Email: r.christie@qut.edu.au

Science Coordinator
Professor Helen MacGillivray
Phone: +61 7 3138 2337
Email: h.macgillivray@qut.edu.au

Associate Course Coordinator
Mathematics
Dr Gary Carter
Phone: +61 7 3138 5090
Email: g.carter@qut.edu.au

Deferment
QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Course Structure for students with four semesters of Senior Mathematics B and Senior Mathematics C

For students with four semesters of Senior Mathematics B and Senior Mathematics C (or equivalent) with an exit assessment of at least Sound Achievement in both

Year 1, Semester 1
ITB002 IT Professional Studies
ITB005 Systems Architecture
MAB111 Mathematical Sciences 1B
MAB112 Mathematical Sciences 1C

Year 1, Semester 2
ITB004 Database Systems
ITB006 Networks
MAB210 Statistical Modelling 1
MAB220 Computational Mathematics 1

For more information visit www.fit.qut.edu.au/courses/undergrad/coop/
### Course Structure for students with four semesters of Senior Mathematics B (or equivalent) only

For students with four semesters of Senior Mathematics B (or equivalent) only, with an exit assessment of at least Sound Achievement

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
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</thead>
<tbody>
<tr>
<td>ITB002</td>
<td>IT Professional Studies</td>
</tr>
<tr>
<td>ITB005</td>
<td>Systems Architecture</td>
</tr>
<tr>
<td>MAB100</td>
<td>Mathematical Sciences 1A</td>
</tr>
<tr>
<td>MAB101</td>
<td>Statistical Data Analysis 1</td>
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<table>
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<td>ITB004</td>
<td>Database Systems</td>
</tr>
<tr>
<td>ITB006</td>
<td>Networks</td>
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### Mathematics Units

Students must complete at least 48 credit points from Level 3 Mathematics units

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<thead>
<tr>
<th>Level 2 Units</th>
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<tbody>
<tr>
<td>MAB311</td>
<td>Advanced Calculus</td>
</tr>
<tr>
<td>MAB312</td>
<td>Linear Algebra</td>
</tr>
<tr>
<td>MAB313</td>
<td>Mathematics of Finance</td>
</tr>
<tr>
<td>MAB314</td>
<td>Statistical Modelling 2</td>
</tr>
<tr>
<td>MAB315</td>
<td>Operations Research 2</td>
</tr>
<tr>
<td>MAB413</td>
<td>Differential Equations</td>
</tr>
<tr>
<td>MAB414</td>
<td>Applied Statistics 2</td>
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<td>Course Code</td>
<td>Course Title</td>
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<tr>
<td>MAB420</td>
<td>Computational Mathematics 2</td>
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<tr>
<td>MAB422</td>
<td>Mathematical Modelling</td>
</tr>
<tr>
<td>MAB480</td>
<td>Introduction to Scientific Computation</td>
</tr>
<tr>
<td>MAB481</td>
<td>Visualisation and Data Analysis</td>
</tr>
<tr>
<td>MAB521</td>
<td>Applied Mathematics 3</td>
</tr>
<tr>
<td>MAB522</td>
<td>Computational Mathematics 3</td>
</tr>
<tr>
<td>MAB523</td>
<td>Introduction to Quality Management</td>
</tr>
<tr>
<td>MAB524</td>
<td>Statistical Inference</td>
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<tr>
<td>MAB525</td>
<td>Operations Research 3A</td>
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<tr>
<td>MAB526</td>
<td>Statistical Science 3</td>
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<tr>
<td>MAB613</td>
<td>Partial Differential Equations</td>
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<td>MAB621</td>
<td>Discrete Mathematics</td>
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<td>MAB623</td>
<td>Financial Mathematics</td>
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<tr>
<td>MAB624</td>
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<td>MAB625</td>
<td>Operations Research 3B</td>
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<td>MAB640</td>
<td>Industry Project</td>
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<td>MAB672</td>
<td>Advanced Mathematical Modelling</td>
</tr>
<tr>
<td>MAB681</td>
<td>Advanced Visualisation and Data Analysis</td>
</tr>
</tbody>
</table>

**Notes:**

In 2008, MAB313 Mathematics of Finance will be offered in Semester 2 and MAB315 Operations Research 2 will be offered in Semester 1.

MAB523 Introduction to Quality Management and MAB621 Discrete Mathematics do not contribute to the mandatory 48 credit points minimum from Level 3 Mathematics units.

All Mathematics units have 4 contact hours per week.

### Business Systems Engineering Major

**Compulsory Units**

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ITB222</td>
<td>Systems Analysis and Design</td>
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<tr>
<td>ITB230</td>
<td>Project</td>
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<tr>
<td>ITB237</td>
<td>Advanced Databases</td>
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<td>ITB245</td>
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</tr>
<tr>
<td>ITB255</td>
<td>Knowledge Management</td>
</tr>
<tr>
<td>ITB266</td>
<td>Information Management</td>
</tr>
<tr>
<td>ITB267</td>
<td>Business Analytics</td>
</tr>
<tr>
<td>ITB272</td>
<td>Information Technology Project Management</td>
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</table>

### Databases Major

**Compulsory Units**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITB229</td>
<td>Database Design</td>
</tr>
<tr>
<td>ITB232</td>
<td>Database Management</td>
</tr>
<tr>
<td>ITB239</td>
<td>Enterprise Data Mining</td>
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<tr>
<td>ITB295</td>
<td>XML: Data and Document Processing</td>
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<td>Applications Programming</td>
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<tr>
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<td>Software Development with ORACLE</td>
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<tr>
<td>ITB230</td>
<td>Project</td>
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<tr>
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<td>Advanced Databases</td>
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<tr>
<td>ITB245</td>
<td>R/3 System Administration</td>
</tr>
<tr>
<td>ITB255</td>
<td>Knowledge Management</td>
</tr>
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<td>ITB266</td>
<td>Information Management</td>
</tr>
<tr>
<td>ITB267</td>
<td>Business Analytics</td>
</tr>
<tr>
<td>ITB272</td>
<td>Information Technology Project Management</td>
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<tr>
<td>ITB294</td>
<td>Information Quality</td>
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<tr>
<td>ITB322</td>
<td>Information Resources</td>
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### Electronic Business Major

**Compulsory Units**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>ITB233</td>
<td>Enterprise Systems Applications</td>
</tr>
<tr>
<td>ITB239</td>
<td>Enterprise Data Mining</td>
</tr>
<tr>
<td>ITB260</td>
<td>E-Commerce Site Development</td>
</tr>
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<td>BSB212</td>
<td>Electronic Business Applications</td>
</tr>
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<td>BSB213</td>
<td>Governance Issues in E-Business</td>
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### Games Technology Major

**Compulsory Units**

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<th>Course Code</th>
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<td>Programming Abstraction</td>
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<tr>
<td>ITB743</td>
<td>Artificial Intelligence</td>
</tr>
<tr>
<td>ITB746</td>
<td>Modelling and Animation Techniques</td>
</tr>
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<td>ITB747</td>
<td>Real Time Rendering Techniques</td>
</tr>
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<td>ITB749</td>
<td>Scientific Programming</td>
</tr>
<tr>
<td>MAB281</td>
<td>Mathematics for Computer Graphics</td>
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</tbody>
</table>

### Information and Knowledge Management Major

Please contact the Course Coordinator for enrolment advice

### Information Systems Major

**Compulsory Units**
### Information Technology Major

#### IS Elective Units
- Select two (2) units from the following list
  - ITB218 Applications Programming
  - ITB223 Software Development with ORACLE
  - ITB230 Project
  - ITB237 Advanced Databases
  - ITB266 Information Management
  - ITB267 Business Analytics
  - ITB322 Information Resources

**Information Technology Management Major**

#### Compulsory Units
- ITB222 Systems Analysis and Design
- ITB241 Information Technology Management
- ITB264 Information Systems Consulting
- ITB272 Information Technology Project Management

#### IS Elective Units
- Select two (2) units from the following list
  - ITB218 Applications Programming
  - ITB223 Software Development with ORACLE
  - ITB230 Project
  - ITB237 Advanced Databases
  - ITB245 R/3 System Administration
  - ITB255 Knowledge Management
  - ITB266 Information Management
  - ITB267 Business Analytics
  - ITB272 Information Technology Project Management
  - ITB294 Information Quality
  - ITB322 Information Resources

**Intelligent Systems Major**

#### Compulsory Units
- ITB239 Enterprise Data Mining
- ITB295 XML: Data and Document Processing
- ITB740 Agent Based Software Engineering
- ITB741 Information Retrieval Technology

#### Elective Units
- Select two (2) units from the following list
  - ITB322 Information Resources
  - ITB710 Fundamentals of Computer Science
  - ITB715 Web Services
  - ITB742 Computational Intelligence
  - ITB743 Artificial Intelligence

**Interactive Media Major**

#### Compulsory Units
- ITB254 Interaction Design
- ITB257 Multimedia Systems
- ITB259 Advanced Multimedia Systems
- KIB101 Foundations of Communication Design 1
- KIB102 Foundations of Communication Design 2

#### Elective Units
- Select one (1) unit from the following list
  - KIB103 Media Technology 1
  - KIB105 Animation and Motion Graphics
  - KIB108 Animation Practices

**Network Systems Major**

#### Compulsory Units
- ITB720 Internet Protocols and Services
- ITB721 Unix Network Administration
- ITB722 Network Planning and Deployment

#### Elective Units
- Select three (3) units from the following list
  - ITB710 Fundamentals of Computer Science
  - ITB723 Wireless and Mobile Devices
  - ITB745 Operating Systems
  - ITS701 Ccna 1 & 2: Internetworking and Routing Basics
  - ITS702 Ccna 3 & 4: Switching and Wide Area Networking

**Security Major**

#### Compulsory Units
- ITB720 Internet Protocols and Services
- ITB721 Unix Network Administration
- ITB730 Information Security Fundamentals
- ITB731 Security Technologies
- ITB732 Cryptology and Protocols
- ITB733 Network Security

**Software Architecture Major**

#### Compulsory Units
- ITB229 Database Design
- ITB710 Fundamentals of Computer Science
- ITB711 Programming Abstraction
- ITB712 Software Engineering Studies
- ITB713 Advanced Java Programming
- ITB717 Enterprise Software Architecture

**Web Services and Applications Major**
### Compulsory Units

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<td>ITB260</td>
<td>E-Commerce Site Development</td>
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<td>ITB295</td>
<td>XML: Data and Document Processing</td>
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<td>ITB716</td>
<td>Advanced Web Applications Development</td>
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<td>ITB717</td>
<td>Enterprise Software Architecture</td>
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<td>ITB715</td>
<td>Web Services</td>
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</table>

### Potential Careers:

- Actuary, Computer Game Programmer, Data Communications Specialist, Database Manager, Market Research Manager, Mathematician, Network Administrator, Network Manager, Programmer, Quantitative Analyst, Software Engineer, Statistician, Systems Analyst.
Bachelor of Business/Bachelor of Information Technology (IX33)

Year offered: 2007
Admissions: Yes
CRICOS code: 059595C
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: $160 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $15360
International Fees (per semester): 2007: $9,000 per semester (subject to annual review)
Domestic Entry: Yes
International Entry: Yes
QTAC code: 419202; Dfee: 419206
Past rank cut-off: 75; Dfee: 70
Past OP cut-off: 12; Dfee: 14
OP Guarantee: Yes
Assumed knowledge: English (4, SA), and for games technology and security majors, Maths B (4, SA) or for all other majors, Maths A, B or C (4, SA)
Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging.
ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com
Course coordinator: Ruth Christie (InfoTech); Mr Andrew Paltridge (Business)
Discipline coordinator: Dr John Sweeting (Accountancy); Ms Gayle Kerr (Advertising); Dr John Chen (Banking & Finance); Dr Radhika Lahiri (Economics); Ms Sherrena Buckby (Electronic Business); Dr Paul Barnes (Human Resource Management); Mr Simon Ridings (International Business); Dr Paul Barnes (Management); Mr Bill Proud (Marketing); and Ms Robina Xavier (Public Relations).
Campus: Gardens Point

Overview

This double degree will give you a broad base of commercial knowledge in business and information technology, making you more attractive to employers, even if you wish to work predominantly in an information technology position. You will have the opportunity to complement your information technology studies with a business major in accountancy, advertising, banking and finance, economics, electronic business, human resource management, international business, management, marketing or public relations.

You will combine your business studies with an information technology major of your choice. Possible combinations include banking and finance with security, management with business systems engineering, or marketing with information and knowledge management.

Cooperative Education Program

The Coop Ed Program is a joint venture between employers and the Faculty of IT giving you the opportunity of 10-12 months paid industry placement to better prepare you for employment after you graduate. The Coop Ed Program integrates formal study and professional experience, so you can apply what you are learning in an area relevant to your chosen path.

Some of the organisations our Coop Ed students have worked with are the Australian Tax Office, Boeing Australia, CITEC, Department of Natural Resources and Water, Dialog, EPA, Queensland Police, RACQ and UNiTAB Limited.

For more information about the Faculty's Cooperative Education Program, please visit www.fit.qut.edu.au/future/cooped.jsp

Career Outcomes

Business graduates work in diverse roles in the private and public sectors in areas such as accountancy, advertising, banking and finance, economics, electronic business, human resource management, international business, management, marketing and public relations. A graduate of the Bachelor of Information Technology may find employment as a programmer, systems manager, systems designer, systems analyst, computer sales and marketing consultant or data processing manager.

Professional recognition

The Bachelor of Business degree may, subject to choice of major, extended major, or specialisation, allow graduates to satisfy the academic requirements for membership as follows:

*All majors: Chartered Secretaries Australia (CSA) - enrolment in the Graduate Diploma in Applied Corporate Governance.
*Accountancy: CPA Australia (associate membership & enrolment in the CPA Program), Institute of Chartered Accountants in Australia (ICAA)(enrolment in the CA Program).
*Advertising - Advertising Federation of Australia, Australian Association of National Advertisers, Australian Direct Marketing Association and the Queensland Commercial Radio Association;
*Banking and Finance: Australasian Institute of Banking and Finance (AIBF).
*Economics: Economic Society of Australia (Queensland Division).
*Human Resource Management - Australian Human Resources Institute, Australian Institute of Training and Development, Australian Institute of Management;
*International Business - Australian Institute of Export;
*Management - Australian Institute of Management;
*Public Relations - Public Relations Institute of Australia.

Graduates of the Bachelor of Information Technology meet the knowledge requirements for admission to the Australian Computer Society (ACS).

Course Design
Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Business program and 192 credit points from the Bachelor of Information Technology program.

**IX33 - Bachelor of Business/Bachelor of Information Technology Course structure**

### Year 1, Semester 1
- ITB002: IT Professional Studies
- ITB005: Systems Architecture
- BBUS: Business Faculty Core Unit
- BBUS: Business Faculty Core Unit

### Year 1, Semester 2
- ITB004: Database Systems
- ITB006: Networks
- BBUS: Business Faculty Core Unit
- BBUS: Business Faculty Core Unit

### Year 2, Semester 1
- ITB001: Problem Solving and Programming
- ITB008: Modelling Analysis and Design
- BBUS: Business Faculty Core Unit
- BBUS: Business Faculty Core Unit

### Year 2, Semester 2
- ITB003: Object Oriented Programming
- ITB007: Web Development
- BBUS: Business Unit
- BBUS: Business Unit

### Year 3, Semester 1
- IT Major Unit
- IT Major Unit
- BBUS: Business Faculty Core Unit
- BBUS: Business Faculty Core Unit

### Year 3, Semester 2
- ITB009: Core Project Initiation
- IT Major Unit
- BBUS: Business Faculty Major Unit
- BBUS: Business Faculty Major Unit

### Year 4, Semester 1
- ITB010: Core Project Implementation
- IT Major Unit
- BBUS: Business Faculty Major Unit
- BBUS: Business Faculty Major Unit

### Year 4, Semester 2
- IT Major Unit

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**Advertising Major**

### Year 1 Semester 1
- BSB122: Quantitative Analysis and Finance
- BSB126: Marketing

### Year 1 Semester 2
- BSB110: Accounting
- BSB115: Management, People and Organisations

### Year 2 Semester 1
- BSB114: Government, Business and Society
- BSB119: International and Electronic Business

### Year 2 Semester 2
- BSB111: Business Law and Ethics
- BSB113: Economics

### Year 3 Semester 1
- AMB200: Consumer Behaviour
- AMB220: Advertising Theory and Practice

### Year 3 Semester 2
- AMB221: Advertising Copywriting
- AMB222: Media Planning

### Year 4 Semester 1
- AMB320: Advertising Management
- AMB330: Advertising Strategy and Planning

### Year 4 Semester 2
- AMB321: Advertising Campaigns
- AMB202: Integrated Marketing Communication

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**Public Relations Major**

### Year 1 Semester 1
- BSB122: Quantitative Analysis and Finance
- BSB126: Marketing

### Year 1 Semester 2
- BSB110: Accounting
- BSB115: Management, People and Organisations

### Year 2 Semester 1
- BSB114: Government, Business and Society
- BSB119: International and Electronic Business

### Year 2 Semester 2
- BSB111: Business Law and Ethics
BSB113  Economics

<table>
<thead>
<tr>
<th>Year 3 Semester 1</th>
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<tbody>
<tr>
<td>AMB201  Marketing and Audience Research</td>
</tr>
<tr>
<td>AMB260  Public Relations Theory and Practice</td>
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Year 3 Semester 2

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<tbody>
<tr>
<td>AMB261  Media Relations and Publicity</td>
</tr>
<tr>
<td>AMB262  Public Relations Writing</td>
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<tbody>
<tr>
<td>AMB360  Corporate Communication Management</td>
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<td>AMB370  Public Relations Cases</td>
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Year 4 Semester 2

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<tbody>
<tr>
<td>AMB361  Public Relations Campaigns</td>
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<td>AMB371  Corporate Communication Strategies</td>
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**Accountancy Major**

Year 1 Semester 1

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<tr>
<td>BSB110  Accounting</td>
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<tr>
<td>BSB115  Management, People and Organisations</td>
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Year 1 Semester 2

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<td>BSB114  Government, Business and Society</td>
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Year 2 Semester 1

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Year 2 Semester 2

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<tr>
<td>AYB121  Financial Accounting</td>
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<td>AYB223  Law of Business Associations</td>
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Year 3 Semester 1

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Year 3 Semester 2

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<td>AYB221  Computerised Accounting Systems</td>
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<td>AYB325  Taxation Law</td>
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Year 4 Semester 1

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<tr>
<td>AYB301  Auditing</td>
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<tr>
<td>AYB311  Financial Accounting Issues</td>
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<td>AYB321  Strategic Management Accounting</td>
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Year 4 Semester 2

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<td>EFB210  Finance 1</td>
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**Banking and Finance Major**

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<td>BSB115  Management, People and Organisations</td>
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Year 1 Semester 2

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<td>BSB114  Government, Business and Society</td>
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**Economics Major**

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**Human Resource Management Major**

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<td>MGB220</td>
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<td>MGB331</td>
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**HRM Option Unit List:**

- MGB201 The Legal Context of Employment Relations
- MGB209 Occupational Health and Safety Management
- MGB224 Australian Industrial Relations
- MGB304 Human Resource Information Management
- MGB305 Human Resource Management Strategy and Policy
- MGB314 Organisational Consulting and Change
- MGB315 Personal and Professional Development
- MGB325 Advanced Practice in Training and Development

HRM students must choose two from the above list (one must be a Level 3 unit).

**Management Major**

<table>
<thead>
<tr>
<th>Year 1 Semester 1</th>
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</thead>
<tbody>
<tr>
<td>BSB113</td>
<td>Economics</td>
</tr>
<tr>
<td>BSB115</td>
<td>Management, People and Organisations</td>
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<thead>
<tr>
<th>Year 1 Semester 2</th>
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<tbody>
<tr>
<td>BSB114</td>
<td>Government, Business and Society</td>
</tr>
<tr>
<td>BSB126</td>
<td>Marketing</td>
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</tbody>
</table>

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<thead>
<tr>
<th>Year 2 Semester 1</th>
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<tbody>
<tr>
<td>BSB110</td>
<td>Accounting</td>
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<tr>
<td><strong>BSB111</strong></td>
<td>Business Law and Ethics</td>
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<tr>
<td><strong>Year 2 Semester 2</strong></td>
<td></td>
</tr>
<tr>
<td><strong>BSB122</strong></td>
<td>Quantitative Analysis and Finance</td>
</tr>
<tr>
<td><strong>BSB119</strong></td>
<td>International and Electronic Business</td>
</tr>
<tr>
<td><strong>Year 3 Semester 1</strong></td>
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<tr>
<td><strong>MGB220</strong></td>
<td>Management Research Methods</td>
</tr>
<tr>
<td><strong>MGB222</strong></td>
<td>Managing Organisations</td>
</tr>
<tr>
<td><strong>Year 3 Semester 2</strong></td>
<td></td>
</tr>
<tr>
<td><strong>MGB210</strong></td>
<td>Production and Service Management</td>
</tr>
<tr>
<td><strong>MGB211</strong></td>
<td>Organisational Behaviour</td>
</tr>
<tr>
<td><strong>Year 4 Semester 1</strong></td>
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</tr>
<tr>
<td><strong>MGB334</strong></td>
<td>Managing in a Changing Environment</td>
</tr>
<tr>
<td></td>
<td>Management Option Unit</td>
</tr>
<tr>
<td><strong>Year 4 Semester 2</strong></td>
<td></td>
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<tr>
<td><strong>MGB309</strong></td>
<td>Strategic Management</td>
</tr>
<tr>
<td></td>
<td>Management Option Unit</td>
</tr>
<tr>
<td><strong>Management Option Unit List:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>MGB216</strong></td>
<td>Managing Technological Innovation in Global Business</td>
</tr>
<tr>
<td><strong>MGB218</strong></td>
<td>Venture Skills</td>
</tr>
<tr>
<td><strong>MGB223</strong></td>
<td>Creating New Enterprises</td>
</tr>
<tr>
<td><strong>MGB312</strong></td>
<td>Negotiation Skills</td>
</tr>
<tr>
<td><strong>MGB315</strong></td>
<td>Personal and Professional Development</td>
</tr>
<tr>
<td><strong>MGB335</strong></td>
<td>Project Management</td>
</tr>
<tr>
<td></td>
<td>Management students must choose three from the above list (one must be a Level 3 unit).</td>
</tr>
</tbody>
</table>

**Marketing Major**

| **Year 1 Semester 1** | |
| **BSB122** | Quantitative Analysis and Finance |
| **BSB126** | Marketing |
| **Year 1 Semester 2** | |
| **BSB110** | Accounting |
| **BSB115** | Management, People and Organisations |
| **Year 2 Semester 1** | |
| **BSB114** | Government, Business and Society |
| **BSB119** | International and Electronic Business |
| **Year 2 Semester 2** | |
| **BSB111** | Business Law and Ethics |
| **BSB113** | Economics |
| **Year 3 Semester 1** | |
| **AMB200** | Consumer Behaviour |
| **AMB240** | Marketing Planning and Management |

| **Year 3 Semester 2** | |
| **AMB201** | Marketing and Audience Research |
| **AMB241** | E-Marketing Strategies |

| **Year 4 Semester 1** | |
| **AMB340** | Services Marketing |
| **AMB202** | Integrated Marketing Communication |

| **Year 4 Semester 2** | |
| **AMB341** | Strategic Marketing |
| **AMB352** | Marketing Decision Making |
| | or |
| **IBB213** | International Marketing |

**International Business Major**

| **Year 1 Semester 1** | |
| **BSB119** | International and Electronic Business |
| **BSB126** | Marketing |
| **Year 1 Semester 2** | |
| **BSB110** | Accounting |
| **BSB115** | Management, People and Organisations |
| **Year 2 Semester 1** | |
| **BSB114** | Government, Business and Society |
| **BSB122** | Quantitative Analysis and Finance |
| **Year 2 Semester 2** | |
| **BSB111** | Business Law and Ethics |
| **BSB113** | Economics |
| **Year 3 Semester 1** | |
| **IBB202** | Fundamentals of International Finance |
| **IBB217** | Asian Business Development |
| | or |
| **IBB208** | European Business Development |
| **Year 3 Semester 2** | |
| **IBB210** | Export Management |
| **IBB317** | Contemporary Business in Asia |
| | or |
| **IBB308** | Contemporary Business in Europe |
| **Year 4 Semester 1** | |
| **IBB213** | International Marketing |
| **IBB205** | Cross-Cultural Communication and Negotiation |
| **Year 4 Semester 2** | |
| **IBB300** | International Business Strategy |
| **IBB303** | International Logistics |

**Business Systems Engineering Major**
### Compulsory Units
- ITB222 Systems Analysis and Design
- ITB228 Enterprise Systems
- ITB245 R/3 System Administration
- ITB298 Business Process Engineering

### IS Elective Units
Select two (2) units from the following list
- ITB218 Applications Programming
- ITB223 Software Development with ORACLE
- ITB230 Project
- ITB237 Advanced Databases
- ITB245 R/3 System Administration
- ITB255 Knowledge Management
- ITB266 Information Management
- ITB267 Business Analytics
- ITB272 Information Technology Project Management
- ITB294 Information Quality
- ITB322 Information Resources

### Databases Major

#### Compulsory Units
- ITB229 Database Design
- ITB232 Database Management
- ITB239 Enterprise Data Mining
- ITB295 XML: Data and Document Processing

#### IS Elective Units
Select two (2) units from the following list
- ITB218 Applications Programming
- ITB223 Software Development with ORACLE
- ITB230 Project
- ITB237 Advanced Databases
- ITB245 R/3 System Administration
- ITB255 Knowledge Management
- ITB266 Information Management
- ITB267 Business Analytics
- ITB272 Information Technology Project Management
- ITB294 Information Quality
- ITB322 Information Resources

### Electronic Business Major

#### Compulsory Units
- ITB233 Enterprise Systems Applications
- ITB239 Enterprise Data Mining
- ITB260 E-Commerce Site Development
- BSB212 Electronic Business Applications
- BSB213 Governance Issues in E-Business

### Games Technology Major

#### IS Elective Units
Select two (2) units from the following list
- ITB218 Applications Programming
- ITB223 Software Development with ORACLE
- ITB230 Project
- ITB237 Advanced Databases
- ITB266 Information Management
- ITB267 Business Analytics
- ITB322 Information Resources

### Information and Knowledge Management Major

Please contact the Course Coordinator for enrolment advice

### Information Systems Major

#### Compulsory Units
- ITB228 Enterprise Systems
- ITB229 Database Design
- ITB260 E-Commerce Site Development

#### IS Elective Units
Select two (2) units from the following list
- ITB218 Applications Programming
- ITB223 Software Development with ORACLE
- ITB230 Project
- ITB237 Advanced Databases
- ITB266 Information Management
- ITB267 Business Analytics
- ITB322 Information Resources

### Information Technology Management Major

#### Compulsory Units
- ITB222 Systems Analysis and Design
- ITB241 Information Technology Management
- ITB264 Information Systems Consulting
- ITB272 Information Technology Project Management

#### IS Elective Units
Select two (2) units from the following list
- ITB218 Applications Programming
- ITB223 Software Development with ORACLE
- ITB230 Project
- ITB237 Advanced Databases
- ITB245 R/3 System Administration
- ITB255 Knowledge Management
- ITB266 Information Management
- ITB267 Business Analytics

### Information Technology Major

#### Compulsory Units
- ITB711 Programming Abstraction
- ITB743 Artificial Intelligence
- ITB746 Modelling and Animation Techniques
- ITB747 Real Time Rendering Techniques
- ITB749 Scientific Programming
- MAB281 Mathematics for Computer Graphics

### Information Technology Management Major

Please contact the Course Coordinator for enrolment advice
ITB272 Information Technology Project Management
ITB294 Information Quality
ITB322 Information Resources

**Intelligent Systems Major**

**Compulsory Units**
ITB239 Enterprise Data Mining
ITB295 XML: Data and Document Processing
ITB740 Agent Based Software Engineering
ITB741 Information Retrieval Technology

**Elective Units**
Select two (2) units from the following list
ITB322 Information Resources
ITB710 Fundamentals of Computer Science
ITB715 Web Services
ITB742 Computational Intelligence
ITB743 Artificial Intelligence

**Interactive Media Major**

**Compulsory Units**
ITB254 Interaction Design
ITB257 Multimedia Systems
ITB259 Advanced Multimedia Systems
KIB101 Foundations of Communication Design 1
KIB102 Foundations of Communication Design 2

**Elective Units**
Select one (1) unit from the following list
KIB103 Media Technology 1
KIB105 Animation and Motion Graphics
KIB108 Animation Practices

**Network Systems Major**

**Compulsory Units**
ITB720 Internet Protocols and Services
ITB721 Unix Network Administration
ITB722 Network Planning and Deployment

**Elective Units**
Select three (3) units from the following list
ITB710 Fundamentals of Computer Science
ITB723 Wireless and Mobile Devices
ITB745 Operating Systems
ITS701 Ccna 1 & 2: Internetworking and Routing Basics
ITS702 Ccna 3 & 4: Switching and Wide Area Networking

**Security Major**

**Compulsory Units**
ITB720 Internet Protocols and Services
ITB721 Unix Network Administration
ITB730 Information Security Fundamentals
ITB731 Security Technologies
ITB732 Cryptology and Protocols
ITB733 Network Security

**Software Architecture Major**

**Compulsory Units**
ITB229 Database Design
ITB710 Fundamentals of Computer Science
ITB711 Programming Abstraction
ITB712 Software Engineering Studies
ITB713 Advanced Java Programming
ITB717 Enterprise Software Architecture

**Web Services and Applications Major**

**Compulsory Units**
ITB254 Interaction Design
ITB260 E-Commerce Site Development
ITB295 XML: Data and Document Processing
ITB716 Advanced Web Applications Development
ITB717 Enterprise Software Architecture
ITB715 Web Services

**Potential Careers:**

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**INFORMATION TECHNOLOGY**

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Bachelor of Arts/Bachelor of Information Technology (IX49)

Year offered: 2007
Admissions: Yes
CRICOS code: 058282F
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: $160 per credit point (subject to annual review)
Domestic fees (indicative): 2007: Full fee tuition $15,360; CSP $6,664
International Fees (per semester): 2007: $9,000 per semester (subject to annual review)
Domestic Entry: February
International Entry: February
QTAC code: This course is no longer offered
Past rank cut-off: 73; Dfee: 68
Past OP cut-off: 13; Dfee: 15
OP Guarantee: Yes
Assumed knowledge: English (4, SA), and for games technology and security majors, Maths B (4, SA), or for all other majors, Maths A, B or C (4, SA)
Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or QUT Continuing Professional Education course Mathematics Bridging. ENGLISH: Successful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email study@qut.com
Campus: Gardens Point and Carseldine

Course description
In this course students complete the requirements of two separate degrees in Arts and Information Technology in four years. The focus of the arts component is social change with an emphasis on understanding societies and the impact of global, social, environmental and technological change on communities and individuals. In the IT component, there is a strong practical component with computing laboratory based units and project work comprising a significant part of the course,

Majors in the Arts component
In the Bachelor of Arts, students choose an multidisciplinary major from one of the following: international and global studies, society and change, ethics and human rights, community studies, or Australian studies.

Majors in the IT component
In the Bachelor of Information Technology, students can choose to major in business systems engineering, data bases, electronic business, games technology, information and knowledge management, information systems, IT management, intelligent systems, interactive media, network systems, security, software architecture, or web services and applications.

Deferment
QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Career outcomes
Information technology professionals with a strong knowledge in languages, as well as deep understanding in areas such as international issues particularly cultures, ethics and human rights are highly valued by the information technology industry. The Arts component also provides students with a broad-based education and a range of transferable analytical, research and communication skills which will enrich studies in information technology and expand career choices.

COURSE OVERVIEW

YEAR 1 SEMESTER 1
ITB002 IT Professional Studies
ITB005 Systems Architecture
BA null
BA Discipline unit

YEAR 1 SEMESTER 2
ITB004 Database Systems
ITB006 Networks
BA Skills unit
BA Discipline unit

YEAR 2 SEMESTER 1
ITB001 Problem Solving and Programming
ITB008 Modelling Analysis and Design
BA Major unit (elective)
BA Discipline or Minor unit

YEAR 2 SEMESTER 2
ITB003 Object Oriented Programming
ITB007 Web Development
BA Major unit (elective)
BA Discipline or minor unit

YEAR 3 SEMESTER 1
IT Major Unit
IT Major Unit
BA Major unit (elective)
BA Discipline or Minor unit

YEAR 3 SEMESTER 2
ITB009 Core Project Initiation
IT Major Unit
BA Major unit (elective)
BA Discipline or Minor unit

YEAR 4 SEMESTER 1
ITB010 Core Project Implementation
IT Major Unit
BA Major unit (elective)
BA Elective unit

YEAR 4 SEMESTER 2
IT Major Unit
IT Major Unit
BA Major unit (elective)
BA Elective unit

ARTS UNITS
FOR A LIST OF ARTS UNITS IN THIS DOUBLE DEGREE REFER TO QUT BACHELOR OF ARTS SINGLE DEGREE

Business Systems Engineering Major

Compulsory Units
ITB222 Systems Analysis and Design
ITB228 Enterprise Systems
ITB245 R/3 System Administration
ITB298 Business Process Engineering

IS Elective Units
Select two (2) units from the following list
ITB218 Applications Programming
ITB223 Software Development with ORACLE
ITB230 Project
ITB237 Advanced Databases
ITB245 R/3 System Administration
ITB255 Knowledge Management
ITB266 Information Management
ITB267 Business Analytics
ITB272 Information Technology Project Management
ITB294 Information Quality
ITB322 Information Resources

Databases Major

Compulsory Units
ITB228 Database Design
ITB232 Database Management
ITB239 Enterprise Data Mining
ITB295 XML: Data and Document Processing

IS Elective Units
Select two (2) units from the following list
ITB218 Applications Programming
ITB223 Software Development with ORACLE
ITB230 Project
ITB237 Advanced Databases
ITB266 Information Management
ITB267 Business Analytics
ITB272 Information Technology Project Management
ITB322 Information Resources

Information Systems Major

Compulsory Units
ITB228 Enterprise Systems
ITB229 Database Design
ITB260 E-Commerce Site Development

IS Elective Units
Select two (2) units from the following list
ITB218 Applications Programming
ITB223 Software Development with ORACLE
ITB230 Project
ITB237 Advanced Databases
ITB266 Information Management
ITB267 Business Analytics
ITB272 Information Technology Project Management
ITB322 Information Resources

Information Technology Management Major

Compulsory Units
ITB223 Software Development with ORACLE
ITB230 Project
ITB237 Advanced Databases
ITB245 R/3 System Administration
ITB255 Knowledge Management
ITB266 Information Management
ITB267 Business Analytics
ITB272 Information Technology Project Management
ITB294 Information Quality
ITB322 Information Resources

Games Technology Major

Compulsory Units
ITB711 Programming Abstraction
ITB743 Artificial Intelligence
ITB746 Modelling and Animation Techniques
ITB747 Real Time Rendering Techniques
ITB749 Scientific Programming
MAB281 Mathematics for Computer Graphics

Information and Knowledge Management Major

Please contact the Course Coordinator for enrolment advice

Electronic Business Major

Compulsory Units
ITB233 Enterprise Systems Applications
ITB239 Enterprise Data Mining
ITB260 E-Commerce Site Development
BSB212 Electronic Business Applications
BSB213 Governance Issues in E-Business
BSB314 E-Business Intelligence
Compulsory Units

- ITB222 Systems Analysis and Design
- ITB241 Information Technology Management
- ITB264 Information Systems Consulting
- ITB272 Information Technology Project Management

IS Elective Units

Select two (2) units from the following list

- ITB218 Applications Programming
- ITB223 Software Development with ORACLE
- ITB230 Project
- ITB237 Advanced Databases
- ITB245 R/3 System Administration
- ITB255 Knowledge Management
- ITB266 Information Management
- ITB267 Business Analytics
- ITB272 Information Technology Project Management
- ITB294 Information Quality
- ITB322 Information Resources

Intelligent Systems Major

Compulsory Units

- ITB239 Enterprise Data Mining
- ITB295 XML: Data and Document Processing
- ITB740 Agent Based Software Engineering
- ITB741 Information Retrieval Technology

Elective Units

Select two (2) units from the following list

- ITB322 Information Resources
- ITB710 Fundamentals of Computer Science
- ITB715 Web Services
- ITB742 Computational Intelligence
- ITB743 Artificial Intelligence

Interactive Media Major

Compulsory Units

- ITB254 Interaction Design
- ITB257 Multimedia Systems
- ITB259 Advanced Multimedia Systems
- KIB101 Foundations of Communication Design 1
- KIB102 Foundations of Communication Design 2

Elective Units

Select one (1) unit from the following list

- KIB103 Media Technology 1
- KIB105 Animation and Motion Graphics
- KIB108 Animation Practices

Network Systems Major

Compulsory Units

- ITB720 Internet Protocols and Services
- ITB721 Unix Network Administration
- ITB722 Network Planning and Deployment

Elective Units

Select three (3) units from the following list

- ITB710 Fundamentals of Computer Science
- ITB723 Wireless and Mobile Devices
- ITB745 Operating Systems
- ITS701 Ccna 1 & 2: Internetworking and Routing Basics
- ITS702 Ccna 3 & 4: Switching and Wide Area Networking

Security Major

Compulsory Units

- ITB720 Internet Protocols and Services
- ITB721 Unix Network Administration
- ITB730 Information Security Fundamentals
- ITB731 Security Technologies
- ITB732 Cryptology and Protocols
- ITB733 Network Security

Software Architecture Major

Compulsory Units

- ITB229 Database Design
- ITB710 Fundamentals of Computer Science
- ITB711 Programming Abstraction
- ITB712 Software Engineering Studies
- ITB713 Advanced Java Programming
- ITB717 Enterprise Software Architecture

Web Services and Applications Major

Compulsory Units

- ITB254 Interaction Design
- ITB260 E-Commerce Site Development
- ITB295 XML: Data and Document Processing
- ITB716 Advanced Web Applications Development
- ITB717 Enterprise Software Architecture
- ITB715 Web Services

Potential Careers:

Community Worker, Diplomat, Government Officer, Higher Education Worker, Information Officer, Policy Officer, Public Servant.
Graduate Certificate In Research Commercialisation (IX97)

Year offered: 2007
Admissions: Yes
CRICOS code: External

Course duration (full-time): 1 semesters. The course must be completed within a maximum time period of 4 years.
Course duration (part-time): 2 semesters. The course must be completed within a maximum period of 8 years.
Course duration (external): 2 semesters. The course must be completed within a maximum period of 8 years.

Domestic fees (per credit point): 2007: $167 per credit point (subject to annual review)
Domestic fees (indicative): 2007: $16,000
International Fees (per semester): 2007: $12,000 per semester (subject to annual review)
Domestic Entry: 2 entry points per year
International Entry: 2 entry points per year
Course coordinator: Professor Rod Wissler
Campus: Internet

course structure

IFP100 Knowledge Transfer and Research Commercialisation (Core Unit)
IFP103 Public Policy and Research
IFP101 Leadership and Workplace Communication
IFP102 Project Management and Research
IFP104 Entrepreneurial Foundations

Potential Careers:
International Visiting Students (NA05)

Year offered: 2007
Admissions: Yes
CRICOS code: Holders of valid visas
International Fees (per semester): 2007:$2,500 per unit
(subject to annual review)
International Entry: February, July and November
Campus: Gardens Point, Kelvin Grove, Carseldine and
External
International Visiting Students (NA06)

Year offered: 2007
Admissions: Yes
CRICOS code: Holders of valid visas only
International Fees (per semester): 2007 AUD$2500 per unit (subject to annual review)
International Entry: February July and November
Campus: Gardens Point, Kelvin Grove and Carseldine
Foundation Program (1 Semester) (QC01)

Year offered: 2007
Admissions: Yes
CRICOS code: 003287M
Course duration (full-time): 1 semester
International Fees (per semester): 2007:$6,750 per semester (subject to annual review)
International Entry: February, June and October
Total credit points: 60
Course coordinator: Scott Leisemann
Campus: Kelvin Grove

Entry Requirements - Academic
Successful completion of senior high school with the required grades. Students who have attempted further schooling studies, eg GCE A-levels or equivalent may be considered for entry. Applications will be reviewed individually and applicants will need to meet subject prerequisites. Students can find more country specific entry requirements at the following web site. http://www.international.qut.edu.au/apply/howtoapply/entryreqs/academic.jsp

Entry Requirements - English Language
IELTS 6.0 with no sub-score less than 5.5 or TOEFL 550 (paper) or TOEFL 213 (CBT) or equivalent, or successful completion of the EAP program (N.B. Students should also check visa requirements).

Description
The Foundation Program, which has intakes in February, June and October, provides pathways to QUT award programs (Diploma or Degree). Graduates enjoy a high placement rate in undergraduate courses at QUT and other Australian universities. Successful completion guarantees a place in the first year of the relevant program in all QUT faculties. Small classes and dedicated staff provide an excellent learning environment while additional support is provided by Language and Welfare Advisers. Some students may need intensive English language preparation at the College's English Language Programs prior to entering a Foundation Program.

Progression
Conditions of progressing to a guaranteed place in first year of a QUT degree:

i) fulfill the Foundation course requirements,
ii) obtain a grade of 5 (Credit) in Communication 2 or an IELTS 6.5 or equivalent,
iii) achieve the relevant faculty Grade Point Average (GPA) - this is calculated on final semester Level 2 units only.

Course completion
Students are required to gain at least a grade of 4 (Pass) in four units and a grade of 3 (Low Pass) in the remaining unit.

Required Foundation Grade Point Average by Faculty

Built Environment - Required GPA 4.6
Business - Required GPA 4.8
Creative Industries - Required GPA 4.4
Education - Required GPA 4.6
Engineering (except Aerospace Avionics) - Required GPA 4.6
Engineering - Aerospace Avionics - Required GPA 5.8
Health (except Nutrition & Dietetics, Optometry, Psychology & Podiatry) - Required GPA 4.6
Health - Nutrition & Dietetics - Required GPA 5.8
Health - Optometry & Podiatry - Required GPA 5.8
Health - Psychology - Required GPA 5.0
Humanities and Human Services - Required GPA 4.2
Information Technology - Required GPA 4.8
Law (except Justice Studies) - Required GPA 4.8
Law - Justice Studies - Required GPA 4.2
Science (except Pharmacy) - Required GPA 4.6
Science - Pharmacy - Required GPA 5.8

N.B. Grades in each unit are awarded on a scale from 1 to 7, with 7 being the highest.

QC01 - Foundation Program (Full Time course structure)

<table>
<thead>
<tr>
<th>Semester One</th>
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<tbody>
<tr>
<td>QCF212</td>
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<tr>
<td>QCF211</td>
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<tr>
<td>QCF256</td>
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<tr>
<td>QCF257</td>
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<td></td>
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<tr>
<td>QCF260</td>
</tr>
<tr>
<td>+ TWO ELECTIVES from the following list</td>
</tr>
<tr>
<td>QCF122</td>
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<tr>
<td>QCF160</td>
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<tr>
<td>QCF220</td>
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<td>QCF221</td>
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<tr>
<td>QCF254</td>
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<tr>
<td>QCF255</td>
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<tr>
<td>QCF210</td>
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<tr>
<td>QCF230</td>
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<tr>
<td>QCF252</td>
</tr>
<tr>
<td>QCF240</td>
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</tbody>
</table>

Note: QCF240 is offered subject to demand and may be offered in alternate semesters only.

Note: QCF252 is only offered in ALTERNATE semesters.

Note: In some semesters some elective units may not be offered if there is insufficient demand.

Potential Careers:
Academic, Account Executive, Accountant, Actor, Actuary, Administrator, Adult/Workplace Educator, Advertising
INFORMATION TECHNOLOGY

Professional, Aerospace Avionics Engineer, Aged Services Worker, Analytical Chemist, Animator, Architect, Art Project Manager, Art Writer, Artist, Arts Administrator, Astrophysicist, Band Leader, Banker, Banking and Finance Professional, Barrister, Biochemist, Bioengineer, Bioinformatician, Biologist, Biomechanical Engineer, Biomedical Engineer, Biotechnologist, Business Analyst, Certified Practicing Accountant, Chemical Technologist, Chemist, Chemist Industrial, Child Care Professional, Child Protection Officer, Choreographer, Civil Engineer, Clinical Laboratory Scientist, Coastal Scientist, Community Corrections Officer, Community Education Officer, Community Health Officer, Community Worker, Composer, Computer Games Developer, Computer Salesperson/Marketer, Computer Systems Engineer, Conductor, Conservation Biologist, Construction Manager, Contract Administrator, Corporate Secretary, Corrective Services Officer, Counsellor, Creative Writer, Crown Law Officer, Curator, Customs Officer, D.J, Dance Teacher, Dancer, Data Communications Specialist, Database Manager, Digital Composer, Diplomat, Disability Services Worker, Drama Teacher, Early Childhood Teacher, Ecologist, Economist, Educator, Electrical and Computer Engineer, Electrical Engineer, Electronic Commerce Developer, Engineering Technologist, English Teacher, Environmental Engineer, Environmental Health Officer, Environmental Scientist, Estimator, Exchange Student, Exercise Physiologist, Facilities Manager, Family Services Officer, Fashion Designer, Fashion Professional, Film Composer, Film/Television Producer, Financial Advisor/Analyst, Financial Project Manager, Fitness Assessor/Personal Trainer, Forensic Scientist, Funds Manager, Geologist, Geophysicist, Geoscientist, Government Officer, Guidance Officer, Health Information Manager, Health Physicist, Health Services Manager, Higher Education Worker, Home Economist, Human Resource Developer, Human Resource Manager, Human Services Practitioner, Hydrogeologist, Immunologist, In-House Lawyer, Industrial Chemist, Industrial Designer, Information Officer, Information Security Specialist, Instrument Maker, Interior Designer, International Business Specialist, Internet Professional, Investigator, Investment Manager, Journalist, Kindergarten Teacher, Laboratory Technician (Chemistry), Landscape Architect, Librarian, Manager, Manufacturer, Mapping Scientist/Photogrammetrist, Marine Scientist, Marketing Officer/Manager, Mastering Engineer, Mathematician, Mechanical Engineer, Media Industry Specialist, Medical Biotechnologist, Medical Engineer, Medical Equipment Sales, Medical Imaging Technologist, Medical Physicist, Medical Scientist, Microbiologist, Molecular Biologist, Multimedia Designer, Music Agent/Manager, Music Publisher, Music Sampler, Music Teacher, Music Technologist, Musical Director, Musician, Natural Resource Scientist, Network Administrator, Network Manager, Nurse, Nutritionist/Dietitian, Occupational Health and Safety Officer, Optometrist, Organisational Communication Specialist, Pathology Scientist, Physicist, Plant Biotechnologist, Podiatrist, Police Officer (Australian Federal), Police Officer (State), Policy Officer, Population Ecologist, Preschool Teacher, Primary School Teacher, Programmer, Project Developer, Project Manager, Property Economist, Psychologist, Public Health Officer, Public Relations Officer/Consultant, Public Servant, Publishing Professional, Quantitative Analyst, Quantity Surveyor, Radiation Therapist, Radiographer, Recording Engineer, Rehabilitation Engineer, Rehabilitation Professionals, Risk Manager, School Counsellor, Secondary School Teacher, Social Scientist, Sociologist, Software Engineer, Solicitor, Song Writer, Sonographer, Sound and Music Producer, Sound Designer, Sound/Audio Engineer, Sports Scientist, Stage Manager, Statistician, Stockbroker, Surveyor, Systems Analyst, Systems Manager, Systems Programmer, Systems Trainer, TAFE Teacher, Teacher, Technical Officer, TESOL Teacher, Theatre Professionals, Trainer, Translator, Urban and Regional Planner, Urban Designer, Virologist, Visual Artist, Visual Arts Teacher, Web Designer, Youth Worker.
Foundation Program (2 Semesters) (QC02)

Year offered: 2007
Admissions: Yes
CRICOS code: 003287M
Course duration (full-time): 2 semesters
International Fees (per semester): 2007: $6,750 per semester (subject to annual review)
International Entry: February, June and October
Total credit points: 120
Standard credit points per full-time semester: 60
Course coordinator: Scott Leisemann
Campus: Kelvin Grove

Entry Requirements - Academic
Successful completion of senior high school with the required grades or successful completion of year 11 high school with very good grades. Students can find country specific entry requirements at the following web site.
http://www.international.qut.edu.au/apply/howtoapply/entryreqs/academic.jsp

Entry Requirements - English Language
IELTS 5.5 with no sub-score less than 5.0 or TOEFL 525 (paper) or TOEFL 193 (CBT) or equivalent, or successful completion of the EAP program. (N.B. Students should also check visa requirements).

Description
The Foundation Program, which has intakes in February, June and October, provides pathways to QUT award programs (Diploma or Degree). Graduates enjoy a high placement rate in undergraduate courses at QUT and other Australian universities. Successful completion guarantees a place in the first year of the relevant program in all QUT faculties. Small classes and dedicated staff provide an excellent learning environment while additional support is provided by Language and Welfare Advisers. Some students may need intensive English language preparation at the College's English Language Programs prior to entering a Foundation Program.

Students who achieve excellent results in the first semester may have the opportunity to study up to two University Diploma units in their final semester for possible credit towards their degree course.

Course Completion
In order to complete course requirements, students must gain at least a grade of 4 (Pass) in nine units and one grade of 3 (Low Pass) in the remaining unit.

Required Foundation Grade Point Average by Faculty
Built Environment - Required GPA 4.6
Business - Required GPA 4.8
Creative Industries - Required GPA 4.4
Education - Required GPA 4.6
Engineering (except Aerospace Avionics) - Required GPA 4.6
Engineering - Aerospace Avionics - Required GPA 5.8
Health (except Nutrition & Dietetics, Optometry, Psychology & Podiatry) - Required GPA 4.6
Health - Nutrition & Dietetics - Required GPA 5.8
Health - Optometry & Podiatry - Required GPA 5.8
Health - Psychology - Required GPA 5.0
Humanities and Human Services - Required GPA 4.2
Information Technology - Required GPA 4.8
Law (except Justice Studies) - Required GPA 4.8
Law - Justice Studies - Required GPA 4.2
Science (except Pharmacy) - Required GPA 4.6
Science - Pharmacy - Required GPA 5.8

N.B. Grades in each unit are awarded on a scale from 1 to 7, with 7 being the highest.

Progression
Conditions of progressing to a guaranteed place in first year of a QUT degree:

i) fulfil the Foundation course requirements,
ii) obtain a grade of 5 in Communication 2 or an IELTS 6.5 or equivalent,
iii) achieve the relevant faculty Grade Point Average (GPA) - this is calculated on final semester Level 2 units only.

Students who do not meet requirements for a guaranteed place in either a QUT degree or University Diploma Program, may still be considered for entry by the relevant faculty.

New heading
New text

QC02 - Foundation Program

<table>
<thead>
<tr>
<th>Semester One</th>
</tr>
</thead>
<tbody>
<tr>
<td>QCF112</td>
</tr>
<tr>
<td>QCF111</td>
</tr>
<tr>
<td>QCF156</td>
</tr>
<tr>
<td>OR</td>
</tr>
<tr>
<td>QCF157</td>
</tr>
<tr>
<td>+ TWO ELECTIVES from the following list</td>
</tr>
<tr>
<td>QCF115</td>
</tr>
<tr>
<td>QCF120</td>
</tr>
<tr>
<td>QCF121</td>
</tr>
<tr>
<td>QCF122</td>
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<tr>
<td>QCF153</td>
</tr>
<tr>
<td>QCF160</td>
</tr>
<tr>
<td>QCF240</td>
</tr>
<tr>
<td>QCF252</td>
</tr>
</tbody>
</table>

Note: QCF240 is offered subject to demand and may be offered in alternate semesters only. Students should seek advice from the Course Coordinator.

Note: QCF252 is only offered in ALTERNATE semesters. Students should seek advice from the Course Coordinator.

Note: QCF115 is taught 4 hours / week in
13TP1 and only 3 hours / week in 13TP2 & 13TP3. There is no computing component in 13TP2 & 13TP3.

Note: In some semesters some elective units may not be offered if there is insufficient demand.

**Semester Two**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>QCF212</td>
<td>Communication 2</td>
</tr>
<tr>
<td>QCF211</td>
<td>Tertiary Preparation Studies 2</td>
</tr>
<tr>
<td>QCF256</td>
<td>Mathematics A2</td>
</tr>
<tr>
<td></td>
<td>OR</td>
</tr>
<tr>
<td>QCF257</td>
<td>Mathematics B2</td>
</tr>
<tr>
<td></td>
<td>OR</td>
</tr>
<tr>
<td>QCF260</td>
<td>Professional Studies</td>
</tr>
<tr>
<td></td>
<td>+TWO ELECTIVES from the following list</td>
</tr>
<tr>
<td>QCF122</td>
<td>Organisations And Management</td>
</tr>
<tr>
<td>QCF160</td>
<td>Introduction to Creativity</td>
</tr>
<tr>
<td>QCF220</td>
<td>Accounting 2</td>
</tr>
<tr>
<td>QCF221</td>
<td>Economics 2</td>
</tr>
<tr>
<td>QCF254</td>
<td>Physics</td>
</tr>
<tr>
<td>QCF255</td>
<td>Chemistry</td>
</tr>
<tr>
<td>QCF210</td>
<td>Applied Psychology</td>
</tr>
<tr>
<td>QCF230</td>
<td>Information Processing</td>
</tr>
<tr>
<td>QCF240</td>
<td>Legal Studies</td>
</tr>
<tr>
<td>QCF252</td>
<td>Life Science</td>
</tr>
</tbody>
</table>

Approved diploma units (Business, IT or Professional Communication students only). Diploma units can only be taken under special circumstances and with the approval of the Course Coordinator.

Note: QCF240 is offered subject to demand and may be offered in alternate semesters only. Students should seek advice from the Course Coordinator.

Note: QCF252 is only offered in ALTERNATE semesters. Students should seek advice from the Course Coordinator.

Note: In some semesters some elective units may not be offered if there is insufficient demand.

**Potential Careers:**

Academic, Account Executive, Accountant, Actor, Actuary, Administrator, Adult/Workplace Educator, Advertising Professional, Aerospace Avionics Engineer, Aged Services Worker, Analytical Chemist, Animator, Architect, Art Project Manager, Art Writer, Artist, Arts Administrator, Astrophysicist, Band Leader, Barker, Banking and Finance Professional, Barrister, Biochemist, Bioengineer, Bioinformatician, Biologist, Biomechanical Engineer, Biomedical Engineer, Biotechnologist, Biotechnologist, Business Analyst, Cell Biologist, Certified Practicing Accountant, Chemical Technologist, Chemist, Chemist Industrial, Child Care Professional, Child Protection Officer, Choreographer, Civil Engineer, Clinical Laboratory Scientist, Coastal Scientist, Community Corrections Officer, Community Education Officer, Community Health Officer, Community Worker, Composer, Computer Game Programmer, Computer Games Developer, Computer Salesperson/Marketer, Computer Systems Engineer, Conductor, Conservation Biologist, Construction Manager, Contract Administrator, Corporate Secretary, Corrective Services Officer, Counsellor, Creative Writer, Crown Law Officer, Curator, Customs Officer, D.J., Dance Teacher, Dancer, Data Communications Specialist, Database Manager, Digital Composer, Diplomat, Disability Services Worker, Drama Teacher, Early Childhood Teacher, Ecologist, Economist, Educator, Electrical and Computer Engineer, Electrical Contractor, Electrical Engineer, Electronic Commerce Developer, Engineering Technologist, English Teacher, Environmental Engineer, Environmental Health Officer, Environmental Scientist, Estimator, Exchange Student, Exercise Physiologist, Exploration Geologist, Facilities Manager, Family Services Officer, Fashion Designer, Fashion Professional, Film Composer, Film/Television Producer, Financial Advisor/Analyst, Financial Project Manager, Fitness Assessor/Personal Trainer, Forensic Biologist, Forensic Chemist, Forensic Scientist, Funds Manager, Geologist, Geophysicist, Geoscientist, Government Officer, Guidance Officer, Health Information Manager, Health Physicist, Health Services Manager, Higher Education Worker, Home Economist, Human Resource Developer, Human Resource Manager, Human Services Practitioner, Hydrogeologist, Immunologist, In-House Lawyer, Industrial Chemist, Industrial Designer, Information Officer, Information Security Specialist, Instrument Maker, Interior Designer, International Business Specialist, Internet Professional, Investigator, Investment Manager, Journalist, Kindergarten Teacher, Laboratory Technician (Chemistry), Landscape Architect, Librarian, Lighting Designer, Lighting Technician, Luminare Designer, Manager, Manufacturer, Mapping Scientist/Photogrammetrist, Marine Scientist, Market Researcher, Marketing Officer/Manager, Mastering Engineer, Mathematician, Mechanical Engineer, Media Industry Specialist, Medical Biotechnologist, Medical Engineer, Medical Equipment Sales, Medical Imaging Technologist, Medical Physicist, Medical Scientist, Microbiologist, Mine Geologist, Molecular Biologist, Multimedia Designer, Music Agent/Manager, Music Publisher, Music Sampler, Music Teacher, Music Technologist, Musical Director, Musician, Natural Resource Scientist, Network Administrator, Network Manager, Nurse, Nutritionist/Dietitian, Occupational Health and Safety Officer, Operations Manager, Optometrist, Organisational Communication Specialist, Pathology Scientist, Pharmaceutical Research Scientist, Physicist, Plant Biotechnologist, Podiatrist, Police Officer (Australian Federal), Police Officer (State), Policy Officer, Population Ecologist, Post-production specialist, Preschool Teacher, Primary School Teacher, Programmer, Project Developer, Project Manager, Property Development, Property Economist, Property Management, Programmer, Property Development, Property Manager, Property Development, Property Management, Psychologist, Public Health Officer, Public Relations Officer/Consultant, Public Servant, Publishing Professional, Quantitative Analyst, Quantity Surveyor, Radiation Therapist, Radiographer, Recording Engineer, Rehabilitation Engineer, Rehabilitation Professionals, Research and Development Chemist, Risk Manager, Sales Person, School Counsellor, Secondary School Teacher, Social Scientist, Sociologist, Software
Bridging Program (QC03)

Year offered: 2007
Admissions: Yes
CRICOS code: 003518A
Course duration (full-time): 1 semester
International Fees (per semester): 2007:$6,750 per semester (subject to annual review)
International Entry: February, July and October
Total credit points: 48
Standard credit points per full-time semester: 48
Course coordinator: Scott Leisemann
Campus: Kelvin Grove

Entry Requirements - Academic
Students must have met the academic entry requirements for their proposed postgraduate or undergraduate course.

Entry Requirements - English Language
IELTS 6.0 with no sub-score less than 5.0 or TOEFL 550 (paper) or TOEFL 213 (CBT) or equivalent, or successful completion of the EAP program (N.B. Students should also check visa requirements).

Description
This program provides two alternative streams. Stream A is designed for students who have not met English and/or prerequisite requirements for their chosen undergraduate or postgraduate course. Most students may undertake one degree unit (for credit) whilst enrolled in a Bridging program. Those with advanced standing may be able to undertake two degree units. Stream B is for students who have met English requirements but not prerequisite requirement for their degree, or who may wish to improve the standard of their academic English. These students may take one or two degree units (for credit) whilst enrolled in the Bridging Program. Both streams include intensive preparation for academic language, lateral thinking, research and presentation skills required for successful tertiary study. Small classes and dedicated staff ensure an excellent learning environment. Additional support is provided by Language and Welfare Advisers.

Course Completion
Students undertaking three Bridging units must obtain at least a grade of 4 (Pass) in two units and a grade of 3 (Low Pass) in the remaining unit.

Students undertaking two Bridging units must obtain at least a grade of 4 (Pass) in one unit and a grade of 3 (Low Pass) in the remaining unit.

Progression
In order to progress to an award course, students must:

i) fulfill the Bridging course requirements
ii) gain a minimum grade of 4 (Pass) in Communication 2 or an IELTS 6.5 or equivalent,
iii) meet any other conditions detailed in the 'letter of offer' from International Student Business Services.

QC03 - Bridging Program (Full Time course structure)

<table>
<thead>
<tr>
<th>Stream A # (for those with IELTS 6.0)</th>
</tr>
</thead>
<tbody>
<tr>
<td>QCD111 Communication 1</td>
</tr>
<tr>
<td>QCD211 Communication 2</td>
</tr>
<tr>
<td>QCS230 Computing</td>
</tr>
<tr>
<td>DEGREE UNIT</td>
</tr>
<tr>
<td>Undergraduate students will need to enrol in the units QCD110 and QCD210</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stream B (for those with IELTS 6.5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>QCD111 Communication 1</td>
</tr>
<tr>
<td>QCD211 Communication 2</td>
</tr>
<tr>
<td>DEGREE UNIT One</td>
</tr>
<tr>
<td>DEGREE UNIT Two</td>
</tr>
<tr>
<td>Undergraduate students will need to enrol in the units QCD110 and QCD210</td>
</tr>
</tbody>
</table>

Note: #If you have advanced standing, you may be able to undertake two degree units during your Bridging Program.

Potential Careers:
Academic, Account Executive, Accountant, Actor, Actuary, Administrator, Adult/Workplace Educator, Advertising Professional, Aerospace Avionics Engineer, Aged Services Worker, Analytical Chemist, Animator, Architect, Art Project Manager, Art Writer, Artist, Arts Administrator, Astrophysicist, Band Leader, Banker, Banking and Finance Professional, Barrister, Biochemist, Bioengineer, Bioinformatician, Biologist, Biomechanical Engineer, Biomedical Engineer, Biotechnologist, Business Analyst, Certified Practicing Accountant, Chemical Technologist, Chemist, Chemist Industrial, Child Care Professional, Child Protection Officer, Choreographer, Civil Engineer, Clinical Laboratory Scientist, Coastal Scientist, Community Corrections Officer, Community Education Officer, Community Health Officer, Community Worker, Composer, Computer Games Developer, Computer Salesperson/Marketer, Computer Systems Engineer, Conductor, Conservation Biologist, Construction Manager, Corporate Secretary, Corrective Services Officer, Counsellor, Creative Writer, Crown Law Officer, Curator, Customs Officer, D.J. Dance Teacher, Dancer, Data Communications Specialist, Database Manager, Digital Composer, Diplomat, Disability Services Worker, Drama Teacher, Early Childhood Teacher, Ecologist, Economist, Educator, Electrical and Computer Engineer, Electrical Engineer, Electronic Commerce Developer, Engineering Technologist, English Teacher, Environmental Engineer, Environmental Health Officer, Environmental Scientist, Estimator, Exchange Student, Exercise Physiologist, Facilities Manager, Family Services Officer, Fashion Designer, Fashion Professional, Film Composer, Film/Television Producer, Financial Advisor/Analyst, Financial Project Manager, Fitness Assessor/Personal Trainer, Forensic Scientist, Funds Manager, Geologist, Geophysicist, Geoscientist, ...
Extended Foundation Program (3 Semesters) (QC04)

Year offered: 2007
Admissions: Yes
CRICOS code: 050167G
Course duration (full-time): 3 Semesters
International Fees (per semester): 2007:$14,850 (full course fee) (subject to annual review)
International Entry: February
Total credit points: 132
Standard credit points per full-time semester: 13TP1 - 48CP, 13TP2 - 60CP, 13TP3 - 24CP
Course coordinator: Scott Leisemann
Campus: Kelvin Grove

Entry Requirements - Academic
Successful completion of senior high school with the required grades or successful completion of year 11 high school with very good grades. Students can find country specific entry requirements at the following web site. http://www.international.qut.edu.au/apply/howtoapply/entryreqs/academic.jsp

Entry Requirements - English Language
IELTS 5.5 with no sub-score less than 5.0 or TOEFL 525 (paper) or TOEFL 193 (CBT) or equivalent, or successful completion of the EAP program. (N.B. Students should also check visa requirements).

Description
The Extended Foundation Program (QC04), which has an intake in February, provides pathways to QUT award programs (Diploma or Degree). This pathway is designed for students who require additional support with language and adjustment to the Australian educational environment. Successful completion guarantees a place in the first year of the relevant program in all QUT faculties. Small classes and dedicated staff provide an excellent learning environment while additional support is provided by Language and Welfare Advisers.

Students who achieve excellent results in the first semester may have the opportunity to study up to two University Diploma units in their second semester for credit towards their degree course.

Course Completion
In order to complete the course requirements, students must gain at least a grade of 4 (Pass) in ten units, one grade of 3 (Low Pass), and a S (Satisfactory) in Foundation English.

Progression
Conditions of progressing to a guaranteed place in the first year of a QUT degree:

i) fulfill the Foundation course requirements,
ii) obtain a grade of 5 in Communication 2 or an IELTS 6.5 or equivalent,
iii) obtain a Grade Point Average (GPA) as indicated in the table of Faculty Requirements below - calculated on five (5)

Level 2 units:
Students who do not meet requirements for a guaranteed place in either a QUT degree of University Diploma Program, may still be considered for entry by the relevant faculty.

Required Foundation Grade Point Average by Faculty
Built Environment - Required GPA 4.6
Business - Required GPA 4.8
Creative Industries - Required GPA 4.4
Education - Required GPA 4.6
Engineering (except Aerospace Avionics) - Required GPA 4.6
Engineering - Aerospace Avionics - Required GPA 5.8
Health (except Nutrition & Dietetics, Optometry, Psychology & Podiatry) - Required GPA 4.6
Health - Nutrition & Dietetics - Required GPA 5.8
Health - Optometry & Podiatry - Required GPA 5.8
Health - Psychology - Required GPA 5.0
Humanities and Human Services - Required GPA 4.2
Information Technology - Required GPA 4.8
Law (except Justice Studies) - Required GPA 4.8
Law - Justice Studies - Required GPA 4.2
Science (except Pharmacy) - Required GPA 4.6
Science - Pharmacy - Required GPA 5.8

N.B. Grades in each unit are awarded on a scale from 1 to 7, with 7 being the highest.

QC04 - Extended Foundation Program

<table>
<thead>
<tr>
<th>Semester One</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>QCF115</td>
<td>Foundation English</td>
</tr>
<tr>
<td>QCF156</td>
<td>Mathematics A1 OR</td>
</tr>
<tr>
<td>QCF120</td>
<td>Accounting 1</td>
</tr>
<tr>
<td>QCF121</td>
<td>Economics 1</td>
</tr>
<tr>
<td>QCF153</td>
<td>Physical Sciences 1</td>
</tr>
<tr>
<td>QCF122</td>
<td>Organisations And Management</td>
</tr>
<tr>
<td>QCF252</td>
<td>Life Science</td>
</tr>
<tr>
<td>QCF240</td>
<td>Legal Studies</td>
</tr>
</tbody>
</table>

Note: QCF240 is offered subject to demand and may be offered in alternate semesters. Students should seek advice from the Course Coordinator.

Note: QCF252 is only offered in ALTERNATE semesters. Students should seek advice from the Course Coordinator.

Note: QCF115 is taught 4 hours / week in 13TP1 and only 3 hours / week in 13TP2 & 13TP3. There is no computing component in 13TP2 & 13TP3.

Note: In some semesters some elective units may not be offered if there is insufficient demand.
### Potential Careers:

Academic, Account Executive, Accountant, Actor, Actuary, Administrator, Adult/Workplace Educator, Advertising Professional, Aerospace Avionics Engineer, Aged Services Worker, Analytical Chemist, Animator, Architect, Art Project Manager, Art Writer, Artist, Arts Administrator, Astrophysicist, Band Leader, Banker, Banking and Finance Professional, Barrister, Biochemist, Bioengineer, Bioinformatician, Biologist, Biomechanical Engineer, Biomedical Engineer, Biotechnologist, Biologist, Business Analyst, Cell Biologist, Certified Practicing Accountant, Chemical Technologist, Chemist, Chemist, Industrial, Child Care Professional, Child Protection Officer, Choreographer, Civil Engineer, Clinical Laboratory Scientist, Coastal Scientist, Community Corrections Officer, Community Education Officer, Community Health Officer, Community Worker, Composer, Computer Game Programmer, Computer Games Developer, Computer Salesperson/Marketer, Computer Systems Engineer, Conductor, Conservation Biologist, Construction Manager, Contract Administrator, Corporate Secretary, Corrective Services Officer, Counsellor, Creative Writer, Crown Law Officer, Curator, Customs Officer, D.J, Dance Teacher, Dancer, Data Communications Specialist, Database Manager, Digital Composer, Diplomat, Disability Services Worker, Drama Teacher, Early Childhood Teacher, Ecologist, Economist, Educator, Electrical and Computer Engineer, Electrical Contractor, Electrical Engineer, Electronic Commerce Developer, Engineering Technologist, English Teacher, Environmental Engineer, Environmental Health Officer, Environmental Scientist, Estimator, Exchange Student, Exercise Physiologist, Exploration Geologist, Facilities Manager, Family Services Officer, Fashion Designer, Fashion Professional, Film Composer, Film/Television Producer, Financial Advisor/Analyst, Financial Project Manager, Fitness Assessor/Personal Trainer, Forensic Biologist, Forensic Chemist, Forensic Scientist, Funds Manager, Geologist, Geophysicist, Geoscientist, Government Officer, Guidance Officer, Health Information Manager, Health Physicist, Health Services Manager, Higher Education Worker, Home Economist, Human Resource Developer, Human Resource Manager, Human Services Practitioner, Hydrogeologist, Immunologist, In-House Lawyer, Industrial Chemist, Industrial Designer, Information Officer, Information Security Specialist, Instrument Maker, Interior Designer, International Business Specialist, Internet Professional, Investigator, Investment Manager, Journalist, Kindergarten Teacher, Laboratory Technician (Chemistry), Landscape Architect, Librarian, Manager, Manufacturer, Mapping Scientist/Photogrammetrist, Marine Scientist, Market Research Manager, Marketing Officer/Manager, Mastering Engineer, Mathematician, Mechanical Engineer, Media Industry Specialist, Medical Biotechnologist, Medical Engineer, Medical Equipment Sales, Medical Imaging Technologist, Medical Physicist, Medical Scientist, Microbiologist, Molecular Biologist, Multimedia Designer, Music Agent/Manager, Music Publisher, Music Sampler, Music Teacher, Music Technologist, Musical Director, Musician, Natural Resource Scientist, Network Administrator, Network Manager, Nurse, Nutritionist/Dietitian, Occupational Health and Safety Officer, Optometrist, Organisational Communication Specialist, Pathology Scientist, Pharmaceutical Research Scientist, Physicist, Plant Biotechnologist, Podiatrist, Police Officer (Australian Federal), Police Officer (State), Policy Officer, Population Ecologist, Post-production specialist, Preschool Teacher, Primary School Teacher, Programmer, Project Manager, Property Development, Property Economist, Psychologist, Public Health Officer, Public Relations Officer/Consultant, Public Servant, Publishing Professional, Quantitative Analyst, Quantity Surveyor, Radiation Therapist, Radiographer, Recording Engineer, Rehabilitation Engineer, Rehabilitation Professionals, Research and Development Chemist, Risk Manager, Sales Person, School Counsellor, Scientist, Secondary School
English for Academic Purposes for degree programs (QC10)

Year offered: 2007
Admissions: Yes
CRICOS code: 011424G
Course duration (full-time): 12 weeks
International Fees (per semester): 2007:$3,720 per 12 week session + $100 non-refundable enrolment fee (subject to annual review)
International Entry: March, July and October (dates are designed to allow entry to selected semester of next course)
Total credit points: 48
Course coordinator: Judith Douse
Campus: Kelvin Grove

Entry Requirements - Academic
To be eligible for entry, applicants must either:

1. Have an offer of a place in a QUT degree program and successfully complete the relevant EAP entry test; or

2. Produce original documentary evidence of an IELTS score of a minimum 5.5 with no sub-score less than 5.0 (or approved equivalent).

* You should check the English language requirements for a Student Visa from your country of origin.

Description
The aim of the EAP course is to assist international students to upgrade their English proficiency level to meet university entry requirements. The course is designed to prepare students for independent study and to familiarise them with an Australian academic setting in terms of study techniques and student/lecturer relations and expectations.

Course Completion
To be eligible to receive EAP certification at the end of the course, students must complete all course requirements.

On successful completion of the course, students will receive a Completion & Attendance Certificate and a Statement of Results.

Progression
Successful completion of an EAP course is a pathway into QUT International College Foundation, Diploma, Certificate or Bridging programs; or QUT undergraduate or postgraduate award programs. The course is recognised by all QUT faculties.

Course structure

<table>
<thead>
<tr>
<th>Modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>QCE003 English for Academic Purposes for Direct Entry to QUT</td>
</tr>
<tr>
<td>The EAP course consists of the following integrated modules:</td>
</tr>
<tr>
<td>Seminars and Presentations</td>
</tr>
<tr>
<td>Academic Reading and Note-taking</td>
</tr>
</tbody>
</table>
General English (QC20)

Year offered: 2007
Admissions: Yes
CRICOS code: 011426E
Course duration (full-time): 5 weeks
International Fees (per semester): 2007: $1,550 per 5 week session + $100 non-refundable enrolment fee (subject to annual review)
International Entry: 9 entry dates per year.
Total credit points: 20
Course coordinator: Ian Davies (ip.davies@qut.edu.au)
Campus: Kelvin Grove

Entry Requirements - English Language
Students should check visa requirements in relation to English entry levels.

Description
This course offers English language and study skills for students preparing for entry to EAP, Foundation, Certificate and Diploma programs and QUT undergraduate and postgraduate award programs.

There are also non-academic English language courses at all levels from elementary to advanced. These courses include excursions and activities (which may incur some additional, minimal cost).

All English language courses include 25 hours of classes per week and there are new intakes approximately every five weeks.

Course Completion
On completion of the course, students will receive a Completion/Proficiency Certificate and an Attendance Certificate.

Progression
Progress is monitored on a student profile which is created for each student over the length of the course. All assessment results (formative/summative/diagnostic) are recorded.

Students can progress from General English into the EAP course or other programs. Progression is subject to entry requirements.

QC20 - General English

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>QCE001</td>
<td>General English (Full-time)</td>
</tr>
</tbody>
</table>

While specific content varies according to level, broadly the course consists of:
- English Language Structures & Systems
- Grammar
- Vocabulary
- Integrated Skills Development (reading, writing, speaking, listening)
- Cultural Studies, including field trips and excursions (which may incur some additional, minimal cost)
- Electives Activities Program
- Computer-based language learning
- Independent learning skills
General English Extension (QC21)

Year offered: 2007
Admissions: Yes
Course duration (full-time): 5 weeks
International Fees (per semester): 2007:$1,550 per 5 week session + $100 non-refundable enrolment fee (subject to annual review)
International Entry: Every 5 weeks
Total credit points: 20
Course coordinator: Ian Davies (ip.davies@qut.edu.au)
Campus: Kelvin Grove

Entry Requirements - English Language
Students should check visa requirements in relation to English entry levels.

This course is for students enrolled in QC20 General English and wishes to continue their enrolment in General English.

Description
This course offers English language and study skills for students preparing for entry to EAP, Foundation, Certificate and Diploma programs and QUT undergraduate and postgraduate award programs.

There are also non-academic English language courses at all levels from beginners to advanced. These courses include excursions and activities (which may incur some additional, minimal cost).

All English language courses include 25 hours of classes per week and there are new intakes every five weeks.

Course Completion
On completion of the course, students will receive a Completion/Proficiency Certificate and an Attendance Certificate.

Progression
Progress is monitored on a student profile which is created for each student over the length of the course. All assessment results (formative/summative/diagnostic) are recorded.

Students can progress from General English into the EAP course or other programs. Progression is subject to entry requirements.

QC21 - General English Extension

<table>
<thead>
<tr>
<th>General English Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>QCE001 General English (Full-time)</td>
</tr>
<tr>
<td>While specific content varies according to level, broadly the course consists of:</td>
</tr>
<tr>
<td>English Language Structures &amp; Systems</td>
</tr>
<tr>
<td>Grammar</td>
</tr>
<tr>
<td>Vocabulary</td>
</tr>
<tr>
<td>Integrated Skills Development (reading, writing, speaking, listening)</td>
</tr>
</tbody>
</table>

Cultural Studies, including field trips and excursions (which may incur some additional, minimal cost)
Electives Activities Program
Computer-based language learning
Independent learning skills
English for Tertiary Preparation (QC22)

**Year offered:** 2007  
**Admissions:** Yes  
**CRICOS code:** 045062C  
**Course duration (full-time):** 2 weeks  
**International Fees (per semester):** 2007: $620 + $100 non-refundable enrolment fee (subject to annual review)  
**International Entry:** February, June and October  
**Total credit points:** 8  
**Course coordinator:** Michael Miller (mj.miller@qut.edu.au)  
**Campus:** Kelvin Grove

### Entry Requirements

**Academic requirements:**  
An offer of acceptance for a QUT Foundation or University Diploma course.

**English requirements:**  
An IELTS score of at least 5.5 (with sub-scores of at least 5.0) or approved equivalent.

### Description

The course aims to enhance the English language proficiency of students who already meet the IELTS requirements for their Foundation or University Diploma Program. ETP teaches and practices academic writing, reading, listening and speaking.

The course assists students with the adjustment to studying at an Australian university.

### Course Completion

On completion of the course, students will receive a Completion and Attendance Certificate.

### QC22 - English for Tertiary Preparation

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>QCE005</td>
<td>English for Tertiary Preparation Studies</td>
</tr>
</tbody>
</table>
University Study Abroad Certificate (UO80)

Year offered: 2007
Admissions: Yes
CRICOS code: 050556E

International Fees (per semester): 2007: $8,000 per semester (subject to annual review)

International Entry: February and July

Campus: Gardens Point, Kelvin Grove and Carseldine
University Study Abroad Diploma
(UO90)
Year offered: 2007
Admissions: Yes
CRICOS code: 012704B
International Fees (per semester): 2007: $8,000 per semester (subject to annual review)
International Entry: February and July
Campus: Gardens Point, Kelvin Grove and Carseldine