Faculty of Built Environment and Engineering

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

ME37 Advanced Diploma in Engineering (Mechanical)/Bachelor of Technology (Mechanical)

Bachelor Degree

AR48 Bachelor of Architecture
BN31 Bachelor of Built Environment (Architectural Studies)
BN31 Bachelor of Built Environment (Industrial Design)
BN31 Bachelor of Built Environment (Interior Design)
BN31 Bachelor of Built Environment (Landscape Architecture)
BN31 Bachelor of Built Environment (Urban and Regional Planning)
CE44 Bachelor of Engineering (Civil)
CE46 Bachelor of Engineering (Civil and Environmental Management)
CN51 Bachelor of Applied Science (Construction Management)
CN53 Bachelor of Applied Science (Quantity Surveying)
CN54 Bachelor of Property Economics
DE40 Bachelor of Design (Architectural Studies)
DE40 Bachelor of Design (Industrial Design)
DE40 Bachelor of Design (Interior Design)
DE40 Bachelor of Design (Landscape Architecture)
EE41 Bachelor of Engineering (Electrical and Computer Engineering)
EE42 Bachelor of Engineering (Electrical and Computer Engineering)
EE46 Bachelor of Engineering (Computer Systems)
EE47 Bachelor of Engineering (Telecommunications)
EE48 Bachelor of Engineering (Aerospace Avionics)
EN40 Bachelor of Engineering (Aerospace Avionics)
EN40 Bachelor of Engineering (Civil and Construction)
EN40 Bachelor of Engineering (Civil and Environmental)
EN40 Bachelor of Engineering (Civil)
EN40 Bachelor of Engineering (Computer Systems)
EN40 Bachelor of Engineering (Electrical)
EN40 Bachelor of Engineering (Infomechatronics)
EN40 Bachelor of Engineering (Mechanical)
EN40 Bachelor of Engineering (Medical)
EN40 Bachelor of Engineering (Telecommunications)
EN40 Bachelor of Engineering - Dean's Scholars Program

IX25 Bachelor of Engineering (Software Engineering)
ME37 Advanced Diploma in Engineering (Mechanical)/Bachelor of Technology (Mechanical)
ME40 Bachelor of Engineering (Infomechatronics)
ME41 Bachelor of Engineering (Mechanical)
ME41 Bachelor of Engineering (Mechanical) Conversion Program from Bachelor of Technology ME36/ME37
ME48 Bachelor of Engineering (Medical)
PS47 Bachelor of Surveying
UD40 Bachelor of Urban Development (Construction Management)
UD40 Bachelor of Urban Development (Property Economics)
UD40 Bachelor of Urban Development (Quantity Surveying)
UD40 Bachelor of Urban Development (Spatial Science)
UD40 Bachelor of Urban Development (Urban and Regional Planning)

Bachelor Degree (Double)

IF21 Bachelor of Engineering (Electrical)/ Bachelor of Mathematics
IF28 Bachelor of Engineering (Electrical)/Bachelor of Business
IF59 Bachelor of Engineering (Electrical)/Bachelor of Information Technology
IX28 Bachelor of Business / Bachelor of Engineering

Graduate Certificate

AR65 Graduate Certificate in Building Fire Safety
CE62 Graduate Certificate in Civil Engineering
CN81 Graduate Certificate in Project Management
CN90 Graduate Certificate in Property Economics
EE61 Graduate Certificate in Computer and Communications Engineering
EE82 Graduate Certificate in Electricity Supply Engineering
IX97 Graduate Certificate In Research Commercialisation
ME75 Graduate Certificate in Engineering Management
PS73 Graduate Certificate in Geomatics
PS75 Graduate Certificate in Landscape Techniques
PS76 Graduate Certificate in Landscape Design
PS77 Graduate Certificate in Advanced Landscape Techniques
PS79 Graduate Certificate in Geographic Information Systems
PS82 Graduate Certificate in Planning Studies

Graduate Diploma

AR61 Graduate Diploma in Industrial Design
AR62 Graduate Diploma in Interior Design
CE64 Graduate Diploma in Civil Engineering
CN64 Graduate Diploma in Project Management
CN91 Graduate Diploma in Property Economics
DB69 Graduate Diploma in Urban Design
EE60 Graduate Diploma in Electricity Supply Engineering
EE67 Graduate Diploma in Computer and Communications Engineering
PS66 Graduate Diploma in Landscape Architecture
PS72 Graduate Diploma in Urban and Regional Planning

PS74 Graduate Diploma in Geomatics
PS78 Graduate Diploma in Geographic Information Systems

Masters Degree (Coursework)

CE74 Master of Engineering Science (Civil Engineering)
CE75 Master of Engineering Science (Civil Engineering Studies)
CN77 Master of Project Management
CN92 Master of Property Economics
DB73 Master of Built Environment (Urban Design)
EE74 Master of Engineering Science (Computer and Communications Engineering)
EE77 Master of Engineering Science (Electrical Engineering Studies)
EE78 Master of Engineering Science (Electricity Supply Engineering)
EN40 Bachelor of Engineering - Dean's Scholars Program
ME76 Master of Engineering Management
ME80 Master of Engineering Science (Mechanical Engineering Studies)
PS70 Master of Urban and Regional Planning
PS71 Master of Landscape Architecture

Masters Degree (Research)

BN71 Master of Applied Science (Research)
BN72 Master of Engineering

Doctoral

CN89 Doctor of Project Management
IF49 Doctor of Philosophy (Built Environment, Engineering)

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 Built Environment and Engineering Faculty is all about changing and growing to better meet the needs of students, industry and the professions.

The real-world does not stand still and neither do our courses. Industry partners and professional bodies are closely involved in our course development and are increasingly demanding graduates with more breadth and superior skills in dealing with clients and other professionals.

We work hard to ensure all courses are fully recognised or accredited both in Australia and overseas. Sometimes this puts limits on how much choice students have in what they study, but wherever possible we encourage you to broaden your core studies with subjects from across the Faculty or other QUT faculties.

Depending on your course you can choose an eight unit second major or a four unit minor in another field. The Faculty has packaged up a range of second majors and minors that ensure you get a rich and meaningful depth of knowledge in a complementary area rather than skating over the surface of the discipline.

Undergraduate courses are grouped around three broad themes with course structures that maximise interaction:

Bachelor of Design
- Architecture
- Interior Design
- Industrial Design
- Landscape architecture

Bachelor of Urban Development
- Construction management
- Property economics
- Quantity Surveying
- Urban and Regional Planning
- Spatial Science

Bachelor of Engineering
- Aerospace Avionics
- Civil
- Civil and environmental
- Civil and construction
- Computer systems
- Electrical
- Infomechatronics
- Mechanical
- Medical
- Telecommunications

No other university in Australia offers this mix of disciplines at the scale and quality available at QUT. Courses are supported by an extensive research base in the Faculty that is grouped around core themes of medical engineering, smart systems, sustainability and infrastructure. Our research focuses on problems that need to be solved and brings together brilliant people with diverse backgrounds to find new answers. The Faculty is a key player in QUT's research institutes for Sustainable Resources and Health and Biomedical Innovation.

The Faculty has formed partnerships with a range of high-profile organisations including Shell, Brisbane Airport Corporation, Brisbane City Council, CSIRO, QRAIL and Queensland Government. Our partners provide living laboratories for our research and bring their experience to bear through part-time teaching or hosting students undertaking internships and practicums.

A number of the professional bodies that accredit our courses set minimum requirements for practical experience that students must have achieved by the time they graduate. For example, Engineering students complete at least 60 days approved real-work experience and Spatial Science students must have 90 days of such experience. Students complete their work experience through the Faculty's Work Integrated Learning (WIL) programs. These combine university study with real work experience.

Courses in Design and Urban Development can also include opportunities to work on real-world projects. Student work in planning and design regularly win industry awards and competitions. For example, in 2006 QUT interior design students competed against the cream of Brisbane's professional design firms in the Courier-Mail Home Show Room with a View Competition. The room designed by the QUT team won the People's Choice award, demonstrating their ability to create designs for real people in the real world.

Research Themes
- Design
- Medical Engineering
- Smart Systems
- Infrastructure

Cooperative Research Centres
- Advanced Automotive Technology
- Australian Centre for Tropical Crops and Biocommodities
- Australian Housing and Urban Research Institute (AHURI)
- Centre for Subtropical Design
- CRC Automotive
- Construction Innovation
- Institute of Sustainable Resources
- Integrated Engineering Asset Management
- Railway Engineering and Technologies
- Queensland Sustainable Energy Industry Development Group

SENIOR STAFF

Faculty Office
Executive Dean: Professor M. Betts, BSc (Hons) *Reading*, PhD CNAA, FCIOB, FRICS, FIEAust, FRSA

Assistant Dean, Teaching and Learning: Associate Professor S. Savage, BArch (Hons) MArch *Qld*, DipAdultVocEd *Griff*

Assistant Dean, Research: Professor Bell, J. M., BSc *Syd*, PhD *NSW*

Assistant Dean, External Relations: L. Shutter, BArch Adel MSc (Arch) Columbia, RAIA

School of Design
Acting Head: Associate Professor J .M. Franz, BAppSc (BltEnv) *QIT*, DipTeach *TAFE*, MEdSt *Qld*, PhD *QUT*, MDIA (Accredited Designer), RegTeach (Qld)

Professors:
Dr S. Lehmann, DiplDes *Mainz*, PhD *Berlin*, Architekt BDA
V. Popovic, DipEngArch *Belgrade*, MFA(IndDes) *Ill*, PhD *Syd*, FDIA, MHFS, MAES, MDRS

Associate Professor: G. Thomas, BArch Grad-DipL'scapeArch MAppSc(Research) *QUT*

School of Urban Development

Head: Associate Professor S. Kajewski, BEng (Civil) GradDipProjMgt MProjMgt PhD *QUT*, MIEAust, CPEng, MAIB, RPEQ

Professors:
T.P. Boyd, MSc (BldgMan) PhD *QUT*, AAPI (CPV), ANZIV, SNZPI, MIV(SA)
L. Ferreira, BSc *Lond,* MSc *Westminster,* PhD *Leeds*, FIEAust, FCIT
M. Mahendran, BScEng (Hons) *Moratuwa*, PhD *Monash*, MIEAust, CPEng
R.M. Skitmore, MSc PhD *Salford*, FRICS, MCIOB, FAIB, AAIQS
D.P. Thambiratnam, BScEng (Hons) *Ceyl*, MSc PhD *Manit*, FICE, FIEAust, FASCE, CPEng
R.J. Troutbeck, BE (Hons) MEngSc *Melb,* PhD *Qld*, FIEAust, MITE

Associate Professors:
A.Goonetilleke, BSc (Eng) *S Lanka*, MSc *Griff*, PhD *QUT*, CPEng, FIEAust
P. Heywood, BA(Hons) *Oxf*, DipTP *Manc*, MRTPI, FRAPI, LGP (Qld)
J. Yang, BEng *DUT China* , PhD *QUT*

School of Engineering Systems

Head: Associate Professor D.J. Hargreaves, BEng *QIT*, MSc PhD *Leeds*, CPEng, FIEAust, MSTLE, MASSCT

Professor of Biomedical Engineering: M.J. Pearcy, BSc Brist, PhD Strath, CEng, CPEng (Biomed)

Chair in Power Engineering: Professor G. Ledwich, BE (Hons) *Qld*, PhD *Newcastle*, FIEAust, SMIEEE

Chair in Telecommunications: Professor S. Sridharan, BSc (Eng) *Ceyl*, MSc *Manc*, PhD *UNSW*, FIEAust, CEng, MIEE, SMIEEE, CPEng

Professors:
R. Crawford, MBBS *Qld* DPhil *Oxon* , FRACS(Orth)
M.P. Moody, BE (Hons), BA, MEngSc, PhD *Qld*, FIEAust, SMIEEE, RPEQ, CPEng
M. Schuetz, DrMed *RWTH Aachen* , DrMedHabil *HU Berlin*
S Sridharan, BSc (Eng) *Ceyl.*, MSc *Manc.*, PhD *NSW*
P. K.D. Yarlagadda, BTech *Nagarjuna*, ME *Bharathiar*, PhD (Ind Inst Tech), CEng, CPEng, MIMechE, MIEAust, MIE (India), SrMemSME, MemASME

Associate Professors:
D. Birtwhistle, BEng (Hons) MSc *Brad*, PhD *Syd*, FIEAust, MIEE, CEng, CPEng
W. Boles, BSc *Assiut*, MSc PhD *Pitt*, GradCertEd *QUT*
D. Campbell, ADElecEng *QIT*, BSc (Hons), PhD *LaTrobe,* MIEAust, MIEEE
V. Chandran, BTech *IIT Madras*, MSEE *TexasTech*, MSCS PhD *Wash State*, GradCertEd *QUT*, SMIEEE
W. Enderle, Dip-Ing, Dr-Ing, *Berlin*, MIEAust
V.O.A. Oloyede, BSc (Hons) *Lagos*, MSc *Cranfield*, PhD DIC *Lond*, MNSE, MNYAS
P.J. O'Shea, BE (Hons), DipEd, PhD *Qld*
L. Ma, BEng *Beijing*, PhD *Qld,* MESA
C.C. Tan, BSc (Hons) PhD *Lond*, CEng, MIMechE, FIEAust, MIEM
R.A. Walker, BE (Electronics)(Hons), BAppSc (Comp), PhD *QUT*, MIEEE, MSESA, MION
Y. Xiao, BDSc, MDSc *Hubei Med,* PhD *Qld*

RESEARCH THEMES

Design

The design theme includes research in Architecture, Industrial Design, Interior Design, Landscape Architecture and Urban Design. It focuses on Subtropical Design, Digital Design, Human-centred Design Research and Useability, Built Environment Design Areas, Cultural Landscape, Design for Ageing, Design and Research Methodologies, and Design Education. The theme is cross/inter-disciplinary related with relevant fields in the Faculty (eg mechanical/manufacturing/ medical engineering; transport engineering; structures and designs; electronic systems and informatics environment) and across the University community (eg Institute for Health and Biomedical Innovation (IHBI), Institute for Creative Innovation (iCi), Information Security Institute (ISI), Institute for Sustainable Resources and relevant Collaborative Research Centres (CRC).

Medical Engineering

This program aims to engender sustainable improvements in quality of life for everybody through the innovative application of new and emerging technologies which will not only help reduce the economic burden of healthcare provision, but also generate wealth for the nation through the stimulation of local industry. Under two broad headings, the program encompasses the following research areas:

Orthopaedic and Trauma

The Orthopaedic and Trauma group has seven principal areas of focus: bone defects, fracture healing, pathogenesis and repair of osteoarthritis, biomaterials, new approaches to minimally invasive surgery, paediatric and adult spine research, and clinical outcomes.

Biomechanics, Modelling and Simulation

Apart from orthopaedic research, the Medical Engineering program also encompasses many other areas studying the application of mechanical and electrical engineering to clinically related healthcare problems. These include amputee gait analysis; paediatric gait analysis; performance of paralympic athletes; osseointegrated implants; spinal and pelvic mechanics; paediatric spine deformity; artificial organs, specifically ventricular assist devices (artificial heart) and artificial lungs; tissue mechanics; bioelectrical signal analysis; tribology of artificial joints; and the interface between devices and the human body.

Smart Systems

Infrastructure and Asset Management

Infrastructure research, in collaboration with industry, government and professions, aims to strengthen the nation's building and infrastructure systems. Research concentrates on investigating the performance of existing and new building and infrastructure systems under realistic structural and environmental loadings including those due to natural, accidental and man-made hazards. It uses smart materials, systems and technologies, and advanced computer analysis and test methods to assess

and improve the performance of existing and new building and infrastructure systems.

Asset Management research focuses on innovative industry-directed research and development, education and commercialisation in an integrated approach to lifecycle physical asset management to meet present and future needs to ensure international competitiveness and sustainability of Australian industry. The overall research program will be focused on five main industry sectors: Defence, Water and Waste, Power Generation and Distribution, Extraction and Process, and Transport Infrastructure.

This research is closely aligned to the CRC for Construction Innovation and the CRC for Integrated Engineering Asset Management.

Robotics and Automation
The Robotics and Automation program is focused on world-class research on robotics and navigation systems for unmanned aerial vehicles, and involves collaboration with CSIRO and Boeing. However similar automation strategies and technologies are used in a variety of control applications such as energy network control, and infomechatronic systems, and satellites.

Speech and Signal Processing
This program conducts internationally competitive research in order to solve practical problems, which enable Speech and Signal Processing to be applied in products and processes. Research focuses on, state-of-the-art speech audio and video technologies including speech/speaker recognition and personal identification technologies for forensic and security applications; speech coding for storage and communication; speech synthesis for voice response systems; audio compression for broadcasting, television and Internet applications, video compression, and image recognition and restoration.

Infrastructure

Energy
The provision of sustainable energy supplies is of critical importance to the future of Australia, and this research involves experimental and theoretical research on solar cells, wind energy and solar thermal energy generation as well as fundamental research on energy supply networks, including distributed generation technology and energy policy. This research in conducted in collaboration with energy utilities and the Queensland Sustainable Energy Industry Development Group.

Water
The supply of fresh water and the quality of water supply are key issues facing Australia over the next 20 years, and this research looks at water re-use technology and policy. The research is practically focused with significant collaboration with local government in South-East Queensland.

Transport
The aim of this program is to focus research effort in the freight and logistics area with an emphasis on multimodal transportation systems. The main research areas include freight vehicle impacts, freight and logistics e-business systems, freight corridor evaluation analysis, ITS applications in freight and logistics, emissions modelling, transit evaluation methodologies, rail track modelling and analysis, and intermodal terminal planning and operations.

Housing and Construction
This research makes contributions to improved practice in the specific areas of housing, urban planning, international project management, construction and property performance, construction information and procurement technologies, and property market choice, investments, constraints opportunities, internationalisation, taxation, lifecycles, risk and culture.

Cooperative Research Centres (CRC)

The faculty is also involved in the following Cooperative Research Centres (CRC) and externally-funded collaborative research ventures:

CRC for Construction Innovation
The Centre aims to create and commercially exploit tools, technologies and management systems to deliver innovative constructed assets of financial, environmental and social benefit to the community. The centre combines basic research with strategic research and development in five related programs: virtual environments for lifecycle design and construction; construction project delivery strategies; environmental sustainability; integrated design and construction support systems; and management, adaptability and the future of built assets.

CRC for Integrated Engineering Asset Management
The CRC for Integrated Engineering Asset Management (CIEAM) delivers capabilities and technologies for integrated and sustainable asset management to a wide range of Australian industries in both the private and the public sectors. CIEAM consists of leading edge researchers and practitioners focused on industry directed R&D and education in the management of Australia's major engineering assets in the Defence, Utilities (power, water and gas), Process and extraction, and Transportation industries. CIEAM involves five research program areas. These are Models and decision systems, Advanced sensors, Intelligent diagnostics and life prediction, Systems integration and IT, and Strategic human dimensions.

CRC for Railway Engineering and Technologies
The Centre aims through research to develop an internationally competitive, efficient and sustainable rail industry and to facilitate the development of an Australian export industry in railway technologies. Benefits will flow in terms of improved rail efficiency and infrastructure capacity, energy savings, reduced maintenance cost, and better asset utilisation. The main research areas include 'Smart train' intelligent systems; innovative/automated maintenance and upgrading technologies; optimal traffic control and scheduling; IT systems and standards for rail management; new materials, systems and components for railways; and industry skills development (education and training).

CRC for Advanced Automotive Technology
The CRC for Advanced Automotive Technology brings the automotive industry together with researchers in design, engineering and manufacturing to enhance the industry's international competitiveness. The aim of the research is to reduce the concept-to-product cycle times; improve manufacturing flexibility and efficiency; and the development of new material systems to meet the challenges of weight reduction, increased safety and greater functionality. The CRC will also improve vehicle safety through improvements in the crash worthiness of vehicles and new intelligent products/systems that provide increased comfort, performance and entertainment.

Australian Housing and Urban Institute (AHURI)

The Institute is a consortium of CSIRO Division of Building, Construction and Engineering; Queensland University of Technology; University of Queensland; Monash University; and Royal Melbourne Institute of Technology (RMIT). Its broad objective is to conduct research into issues in housing and urban fields in Australia and the Asia-Pacific region.

Centre for Subtropical Design
The Centre for Subtropical Design is one of the Faculty's first funded units in one of our major targeted areas: sustainable development. This Centre will promote high quality planning, design and development that responds to the City of Brisbane and South-East Queensland region's cultural, landscape, and climatic characteristics in ways that are sustainable and enhance the enjoyment of the region's subtropical lifestyle.

Queensland Sustainable Energy Industry Development Group
This group, formed in 2004 by QUT, the University of Queensland, Central Queensland University, Stanwell Corporation, CS Energy, and the Queensland Conservation Council, is continuing the work of the Australian CRC for Renewable Energy in areas of energy policy, training for the sustainable energy industry (supply and use), and renewable energy technology.

Australian Centre for Sugar Research Innovation
This Centre is the research division of the former Sugar Research Institute which transferred to QUT in July 2005. This Centre conducts research into the post-harvest processing and economics of sugar cane, and has a particular expertise in milling technology (mechanical engineering and computational fluid dynamics modelling), separation science, and total biomass utilisation, in particular the transformation of sugar cane waste into biofuels (ethanol) and biopolymers to provide renewable fuels and industrial chemicals.

☐ Notes for BEE postgraduate courses

Course progression
It is important that students follow as normal a progression through their courses as possible. Units should be taken in an orderly sequence as set out in published course structures. Units failed should be picked up in the next semester they are offered. Prerequisite units must normally be passed before a student may proceed to a further unit which has the prerequisite so specified. The course coordinator should be consulted regarding variations from the course structure. This is considered to be a major concession. Students who have failed units or have doubts about having the necessary background to proceed should seek the advice of the course coordinator.

Limit of Grades of 3

Students enrolled in courses within the Faculty of Built Environment and Engineering can achieve a maximum of 12.5% of total course credit points at a grade of 3. In practice this means that students enrolled in a 4 year course can achieve a maximum of 4 grades of 3. If a student exceeds the limit of grades of 3 they must consult with their course coordinator or subject area coordinator to determine what action needs to be taken to meet the requirements for graduation.

Supplementary assessment
Students may be granted up to two supplementary assessments in the final 96 credit points of study, for coursework programs of three or more year's full-time duration or equivalent; and one supplementary assessment in the final 48 credit points for coursework programs of less than three years full-time duration or equivalent.

Eligibility for supplementary assessment will be determined by the Dean and will normally only be considered when a student receives a grade of 2 in a unit where a 3 is required for course completion or a grade of 3 in a unit where a 4 is required for course completion. The only grade that will be recorded following supplementary assessment is S3 (pass supplementary) and S2 (fail supplementary).

Awards with distinction
Awards 'with distinction' may be awarded to graduands of graduate diploma courses undertaken in the Faculty of Built Environment and Engineering. Candidates for a graduate diploma 'with distinction' must fulfil the requirements for a pass degree and achieve a standard of proficiency in all course units as may from time to time be determined by the Faculty Academic Board and approved by the University Academic Board.

Eligibility for 'With Distinction'
Eligibility for awards 'with distinction' is not affected by the time taken to complete a course. However, to be eligible for such an award, a graduand must have completed the course within the maximum number of calendar years specified in the policy on time limits for completion of courses (see student rules).

Personal Protection Equipment (PPE) Policy
Protective equipment refers to safety glasses/goggles, hearing protection, safety boots, gloves and similar items. While all care is taken to reduce the risks to which students are exposed, protective equipment will be required to be worn in some practical sessions and field excursions. Students are required to wear PPE where and when it has been made clear that it is needed. Students are required to provide certain PPE as indicated by each school within the Faculty.

Students enrolled in units specified by the faculty of Built Environment and Engineering will be required to wear safety shoes for most laboratory practicals and/or field trips. Students not wearing appropriate safety shoes on these occasions will be barred from (i) participating in activities in these units, and (ii) submitting any assessment associated with these activities. Students must provide their own safety shoes, safety glasses/goggles and hearing protection equipment.

■ Master of Applied Science (Research) BN71

Award title: Master of Applied Science (Research)
CRICOS code: 003462A
Campus: Gardens Point
Duration: 1 year (minimum), 2 years (maximum) full-time or 2 years (minimum), 4 years (maximum) part-time

1 - General Conditions
1.1 The Council of the Queensland University of Technology was established in 1989 under the Queensland University of Technology Act 1988.
1.2 The Council's power to approve recommendations from Faculty Academic Boards regarding the registration, supervision and examination of research degree candidates and to develop policy and procedures relating to research degrees is exercised through a University Re-

search Committee which is a subcommittee of University Academic Board.
1.3 University Research Committee has delegated responsibility for day-to-day administration of research masters degree courses to faculty academic boards. Academic boards shall report biannually to University Research Committee on progress made by Research Masters degree candidates.
1.4 This program is administered by the Academic Board of the Faculty of Built Environment and Engineering through its Faculty Research Committee. The program is offered in Architecture, Civil Engineering, Construction Management, Electrical and Electronic Systems Engineering, Industrial Design, Interior Design, Landscape Architecture, Mechanical, Manufacturing Engineering and Medical Engineering, Property Economics, Planning and Surveying.
1.5 In order to qualify for the award of the degree of Master of Applied Science (Research) or Master of Engineering a candidate must:

- have completed the approved program involving advanced work under the supervision of a Thesis Panel prescribed by the Faculty Research Committee of the Built Environment and Engineering Academic Board
- have submitted, and the Faculty Research Committee accepted a thesis, together with reports and/or documents where applicable, prepared under the supervision of the Thesis Panel
- have completed such other work as may be prescribed by the Faculty Research Committee, and
- submit to the Faculty Research Committee a declaration signed by the candidate that they have not been a candidate for another tertiary award without permission of the Faculty Research Committee.

2 - Registration

2.1 Applications shall be accepted subject to the availability of facilities and supervision.
2.2 Applications may be lodged with the Registrar at any time.
2.3 There is a six-month maximum period for domestic students and nine months for international students, between acceptance by the Faculty Research Committee and enrolment by the candidate in the Master of Applied Science (Research) or Master of Engineering before the offer of admission to the program lapses. Candidates are required to complete an enrolment form each semester.
A Note Regarding Enrolment
The Faculty and Student Services are to be advised of any changes to name, address or other personal details. Application to vary any aspect of the candidacy must be made in writing directly to the Faculty Research Committee for Built Environment and Engineering and be endorsed by the principal supervisor.
2.4 The minimum academic qualifications for admission to the Master of Applied Science (Research) or Master of Engineering are:

- a four-year degree in an appropriate discipline in which the candidate has received at least second class Honours from the Queensland University of Technology, or
- a qualification judged equivalent by the Faculty Research Committee, or
- a grade point average of 5.0 or better in a graduate diploma program, in a relevant discipline, together with demonstrated potential for further study and/or evidence of professional standing, or
- a grade point average of 5.0 or better in a coursework masters degree program in a relevant discipline, together with demonstrated potential for further study and/or evidence of professional standing.

An applicant for the Master of Applied Science (Research) or Master of Engineering program without the minimum entry requirement may present a case for admission based on the submission of evidence of qualifications which demonstrate the applicant's capacity to pursue the course of study.
The case may be based on the following:
(a) three years professional experience in the general field in which the proposed work lies, or
(b) satisfactory completion of an appropriate Masters qualifying program including formal coursework and/or reading program in related fields stipulated by the Faculty Research Committee, or
(c) the submission of technical publications or other appropriate evidence which satisfies the Faculty Research Committee that advanced knowledge has been acquired in a branch of applied science relevant to the built environment or a division of engineering in which the applicant has worked as a professional practitioner in a position of responsibility. This knowledge should be relevant to the field of study proposed.
2.5 A candidate will be eligible to be registered as a graduate student if they are considered by Faculty Research Committee to meet the requirements for entry.
2.6 A candidate shall receive confirmed registration as a graduate student when they:

- have satisfied the requirements for admission and achieved by work and study a standard recognised by Faculty Research Committee, or
- have satisfied Faculty Research Committee that they are a suitable person to undertake the program, and
- have satisfied Faculty Research Committee that they can devote sufficient time to the research and study.

2.7 In considering an applicant for registration, the Faculty Research Committee shall, in addition to assessing the applicants suitability, be satisfied that:

- the proposed program is relevant to the aims and objectives of the University
- the proposed program has relevance to the needs of society or industry, and
- adequate resources are available to support the proposed program.

2.8 An application for registration should set out systematically and fully the candidates intended course of study including the following:

- a description of the area of study within which the candidates course lies
- a summary of the work to be undertaken, the proposed title of the thesis to be written, the aim of the proposed program, its background, the significance and possible application of the research program, and the research plan
- the location at which the work will be undertaken, the amount of time which will be devoted to it and the resources required
- details of academic qualifications and supporting evidence, including copies of results for each year of courses undertaken
- a brief account of industrial experience
- a list of publications
- sponsorship details
- statement of approval by Head of School and/or Postgraduate Research Coordinator, and
- any other relevant material.

2.9 The program is offered on a full-time or a part-time basis and may be undertaken externally. Part-time stu-

dents normally will be employed in some professional capacity during the day and carry out their research projects on a part-time basis at QUT, in their place of employment or in a sponsoring organisation.
2.10 Full-time students may be on a scholarship from industry or QUT, and may carry out their research at QUT or in a sponsoring organisation. Normally full-time students would be expected to work on their research projects at QUT for not less than three-quarters of a normal working week, averaged over each year of candidacy. Such a candidate may not devote more than 300 hours annually to teaching activities, including preparation and marking.
2.11 A candidate may be based at QUT or at a place of employment or sponsoring institution. Normally, support of the sponsoring institution for the candidate's application is required for registration. A candidate may also be external where their residence is outside of Brisbane.
2.12 The Faculty Research Committee may cancel a candidate's registration if, after consulting a candidate's supervisor and having taken account of all relevant circumstances, the committee is of the opinion that the candidate either has effectively discontinued their studies or has no reasonable expectation of completing the course of study within the maximum time allowed (see Section 4).
2.13 A candidate whose registration has lapsed or has been cancelled, and who wishes subsequently to re-enter the course of study to pursue a research program which is substantially the same as the previous investigation may be re-admitted under such conditions as the Faculty Research Committee shall prescribe.

3 - Course of Study

3.1 A candidate for the degree of Master of Applied Science (Research) or Master of Engineering will undertake a program of research and investigation on a topic approved by the Faculty Research Committee.
3.2 All projects should be supported by outside agencies such as industry, government authorities and professional organisations, or by QUT itself. This provision is to ensure that programs are relevant to the aims of the University and the community. It is important that projects be primarily directed towards society or industry need.
3.3 The program must be such as to enable the candidate to develop and demonstrate a level of scientific competence significantly higher than that expected of a first degree graduate. The required competence normally would include mastery of relevant techniques, investigatory skills, critical thinking, and a high level of knowledge in the specialist area.
3.4 Where advised, a candidate may be required to complete satisfactorily a program of formal coursework in subjects relevant to the field of study up to a total class contact of 32 credit points.
3.5 The course of study normally will include:

- participation in University scholarly activities such as research seminars, teaching and publication
- regular face-to-face interactions with supervisors, and
- a program of supervised research, design, investigation, development, construction, or any combination thereof.

The course of study may also include a program of assessed coursework.
3.6 Coursework at masters level demands a capacity for critical analysis and a specialisation of research interests not normally appropriate for an undergraduate program. Such coursework may be conducted in a number of ways:

- as advanced lecture courses
- as seminars in which faculty and candidates present critical studies of selected problems within the subject field
- as independent study or reading courses, or
- as research projects conducted under faculty supervision.

Candidates will be encouraged to attend conferences where these are related to the field of the research.
In all cases, coursework will be based upon a formal syllabus setting out the educational outcomes expected from the course, a list of topics to be covered, the prescribed reading material and the method of assessment of progress through and at the end of the course.
3.7 Maximum and Minimum Coursework Requirements:
Thesis - 96 credit points minimum (at least two-thirds of the degree content)

- Maximum coursework requirement - 32 credit points
- Minimum coursework requirement - 4 credit points - IFN001 Advanced Information Retrieval Skills
- Maximum of 16 credit points per semester for each semester of the program
- Additional Requirements:
    - Attendance and participation in School of Research Centre seminars/workshops (compulsory).
    - Students must contact the Postgraduate Research Coordinator in their School to finalise any other coursework component of their program.

4 - Period of Time for Completion of Course of Study

4.1 The duration of study will normally be a minimum of one year and a maximum of two years or the part-time equivalent.
4.2 In order to encourage completion of research degrees within a reasonable timeframe, QUT has set a limit of two years on the length of time for which it will fund a faculty for full-time research masters degree candidates.
4.3 A registered full-time graduate student shall present the thesis for examination after a period of at least one year but not more than two years has elapsed from the time of confirmed registration. A registered part-time graduate student shall present the thesis for examination after a period of at least two years. The maximum time is four years from the time of confirmed registration. In special cases the Faculty Research Committee may approve a shorter period.
4.4 Time limits are measured in years from the time of first registration as a graduate student. Periods of exclusion or absence without approval are included.
4.5 Candidates who exceed these limits may be asked to show cause why they should not have their registration in the program terminated. Such candidates must make formal application to the Faculty Research Committee to have their registration extended beyond the normal time. Details of the candidate's progress shall be presented to the committee together with the reasons for the delay in completing the course and the expected date of completion. Where the committee agrees to an extension, a time limit will be set for the maximum period of registration in the program.
4.6 Candidates are notified of termination by registered mail. They have right of appeal to the Academic Appeals Committee.

5 - Supervision

5.1 The Faculty Research Committee shall appoint at least one supervisor the principal supervisor and also at least one associate supervisor. Each member of the supervisory panel shall bring appropriate experience in the research area of the student.
5.2 The Principal Supervisor shall normally be from the academic staff of the QUT school in which the candidate is enrolled.
5.3 The Supervisory Panel shall supervise all aspects of the candidate's work program, shall receive reports from the candidate on progress and shall recommend to the Faculty Research Committee both on successful and unsuccessful completion of components of the coursework incorporated in the candidate's program, on progress on the thesis research project and on continued enrolment.
5.4 The Supervisory Panel shall receive a formal oral and written report from the candidate at least once every semester on progress on the research project.
5.5 Summary of Faculty Supervisory registration process: To ensure that students receive appropriate supervision from experienced supervisors and active researchers the Faculty has introduced a Supervisors Register which requires registered supervisors to demonstrate performance in three areas.
1. Practice - previous supervisory experience of at least five years.
2. Research - evidence of active research through grants and publications
3. Continuous development

6 - Place and Conditions of Work

6.1 The research program will normally be carried out under supervision in a suitable environment within Brisbane. However, external study is possible. External candidates will be required to spend a minimum of four weeks at QUT annually.
6.2 The Faculty Research Committee shall not admit a candidate to a program of research based at the University unless it has received:

- a supporting statement from the Head of the QUT School and/or Postgraduate Research Coordinator in the School in which the study is proposed indicating that, in their opinion, the applicant is a suitable person to undertake a research program leading to the masters degree, that the program is supported, that the school is willing to undertake the responsibility of supervising the work of the applicant and that resources are available to support the proposed research.

6.3 The Faculty Research Committee shall not admit a candidate to a program of research based at a sponsoring establishment unless it has received:

- a supporting statement from the employer or director of the sponsoring institution that they are aware of the course rules and are prepared to sponsor and support the applicant, that the applicant will be provided with facilities and time to undertake the research project and that they are willing to accept responsibility for supervising the applicant's work, and
- a supporting statement from the head of the QUT school or Postgraduate Research coordinator in which the study is proposed indicating that, in their opinion, the applicant is a suitable person to undertake a research program leading to the Masters degree, that the program is supported, and that after examination of the proposed external facilities and supervision, the school is willing to accept the responsibility of supervising the work.

7 - Thesis

7.1 In the form of presentation, availability and copyright, the thesis shall comply with all the requirements of the document Requirements for Presenting Theses (Appendix 51 in the Manual of Policies and Procedures).
7.2 A candidate shall submit the title of their thesis for approval by the Faculty Research Committee with their application, and after approval has been granted, no change will be made except with the permission of the committee.
7.3 The candidate shall give two months' written notice of intention to submit their thesis through the Principal Supervisor.
7.4 The thesis shall comply with the following requirements:

- a significant proportion of the work described (as determined by the Faculty Research Committee) must have been carried out subsequent to initial registration for the Masters degree.
- it must describe a program of work carried out by the candidate and must involve either an advanced contribution to the knowledge of the subject or an advanced application of existing knowledge.
- it must reach a satisfactory standard of literary presentation.
- it shall be the candidate's own account of the work. Where work is carried out conjointly with other persons, the Faculty Research Committee shall be advised of the extent of the candidate's contribution to the joint work.
- the thesis shall not contain as its main content any work or material which the candidate has previously submitted for another degree or similar award.
- the thesis may consist primarily of reports, plans and/or documents or may be supported by these if they have a bearing on the subject of the thesis. Other supporting documents such as published papers may also be submitted with the thesis.
- the thesis shall contain an abstract of not more than 300 words.

7.5 Except with the specific permission of the Faculty Research Committee, the thesis must be presented in the English language. Such permission must be sought at the time of application for registration, and will not be granted solely on the grounds that the candidate's ability to satisfy the examiners will be affected adversely by the requirement to present the thesis in English.
7.6 Subject to QUT's Intellectual Property policy, the copyright of the thesis is vested in the candidate.
7.7 Where a candidate, supervisor or the sponsoring establishment wishes the thesis to remain confidential for a period of time after completion of the work, application for approval must be made to the Faculty Research Committee when the thesis is submitted. The period normally shall not exceed two years from the date on which the examiners recommend acceptance of the thesis, during which time the thesis will be held on restricted access in the QUT Library.
7.8 Except where confidentiality of the thesis is necessary, students shall submit their thesis electronically after completion of the examination process and any corrections required to the QUT Library for inclusion in the Australian Digital Thesis Project.

8 - Examination of Thesis

8.1 The Faculty Research Committee shall appoint three examiners, at least one of whom shall be from outside of the University. No supervisor of the candidate shall be appointed as one of the examiners.

8.2 Normally, examiners must agree to read and report upon the thesis within two months of its receipt.
8.3 A candidate may be required to make an oral defence of the thesis.
8.4 On receipt of the reports from the examiners, the Faculty Research Committee shall:
(a) recommend that the thesis be accepted without modification, and to Academic Board that the candidate be awarded the degree, or
(b) recommend to Academic Board that the candidate be awarded the degree, after any minor amendments requested by the examiners have been made, or
(c) recommend that the thesis not be accepted until major revisions have been made. Such revisions might be rewriting one of the sections, with or without additional work, or
(d) not accept the thesis and terminate the candidate's registration.
8.5 If the examiners' reports are conflicting, the Faculty Research Committee may, after appropriate consultation with the Thesis Panel, resubmit the thesis to the examiners with copies of the examiners' reports and/or seek the advice of a further external examiner. After due consideration of further reports from the examiners, a majority decision will be accepted by the Faculty Research Committee.

☐ Notes for BEE undergraduate courses

Course progression
It is important that students follow as normal a progression through their courses as possible. Units should be taken in an orderly sequence as set out in published course structures. Units failed should be picked up in the next semester that they are offered. Prerequisite units must normally be passed before a student may proceed to a further unit which has the prerequisite so specified. The course coordinator should be consulted regarding variations from the course structure. Students who have failed units, or have doubts about having the necessary background to proceed, should seek the advice of the course coordinator.

Supplementary assessment
Students may be granted up to two supplementary assessments in the final 96 credit points of study, for coursework programs of three or more years full-time duration or equivalent; and one supplementary assessment in the final 48 credit points for coursework programs of less than three years full-time duration or equivalent.

Eligibility for supplementary assessment will be determined by the Dean and will normally only be considered when a student receives a grade of 2 in a unit where a 3 is required for course completion or a grade of 3 in a unit where a 4 is required for course completion. The only grade that will be recorded following supplementary assessment is S3 (pass supplementary) and S2 (fail supplementary).

Awards with honours
Honours may be awarded to graduands of the Bachelor of Architecture, the four-year single degree and five-year double degree Bachelor of Engineering and Surveying courses, the four-year Bachelor of Applied Science courses in Construction Management and Quantity Surveying, and the Bachelor of Property Economics. First class honours, second class honours division A and second class honours division B may be awarded. Candidates for a degree with honours must fulfil the requirements for a pass degree and achieve a standard of proficiency in all course units as may from time to time be determined by the Faculty Academic Board and approved by University Academic Board.

Eligibility for honours
Eligibility for awards with honours is not affected by the time taken to complete a course. However, to be eligible for such an award, a graduand must have completed the course within the maximum number of calendar years specified in the Student Rules (see the student rules section). Three- and four-year (full-time) courses must be completed in ten years. Combined degree courses must be completed in eleven years. Time limits are measured in calendar years from the first day of the first semester in which the student was enrolled and include periods of interruption such as leave of absence. In addition, to be eligible for an award with honours, a graduand must have been enrolled in the course at QUT for at least two years of full-time study or its equivalent.

Honours based on grade point average
The Built Environment and Engineering Academic Board has resolved that awards with honours for students graduating post-1992 will be based on grades achieved by students throughout the whole of their course as determined by the Grade Point Average (GPA) calculation.

The GPA calculation includes all attempts at units which are awarded a numeric grade, or the result 'Withdrawn — Failure' (which is converted to a grade of 1).

Students obtaining a GPA of 6.0 or greater will normally qualify for the award of first class honours. Students obtaining a GPA of 5.5 to 5.99 will normally qualify for the award of second class honours division A. Students obtaining a GPA of 5.0 to 5.49 will normally qualify for the award of second class honours division B.

Students enrolled in double degrees must obtain the required GPA in the Engineering degree component to be eligible for Honours.

Awards with distinction
Awards 'with distinction' may be awarded to graduands of the three-year single degree courses and the graduate diploma courses undertaken in the Faculty of Built Environment and Engineering. Candidates for a degree 'with distinction' must fulfil the requirements for a pass degree and achieve a standard of proficiency in all course units as may from time to time be determined by the Faculty Academic Board and approved by the University Academic Board.

Eligibility for 'With Distinction'
See Eligibility for Honours.

With Distinction based on grade point average
The Built Environment and Engineering Academic Board has resolved that awards 'with distinction' will be based on grades achieved by students throughout the whole of their course as determined by the grade point average calculation.

The GPA calculation includes all attempts at units which are awarded a numeric grade, or the result 'Withdrawn — Failure' (which is converted to a grade of 1).

Students obtaining a GPA of 5.5 or greater will normally qualify for the award of with distinction.

Dean's list

The Dean's List comprises students who have achieved a GPA of 6.50 or more within a semester. These students receive a certificate in recognition of their achievement.

Use of calculators in examinations

Restrictions apply on the use of calculators in examinations. Students should consult their unit coordinator for details.

Field trips

Attendance at field trips or field projects in engineering and surveying/mapping courses is compulsory.

Personal Protection Equipment (PPE) Policy

Protective equipment refers to safety glasses/goggles, hearing protection, safety boots, gloves and similar items. While all care is taken to reduce the risks to which students are exposed, protective equipment will be required to be worn in some practical sessions and field excursions. Students are required to wear PPE where and when it has been made clear that it is needed. Students are required to provide certain PPE as indicated by each school within the Faculty.

Students enrolled in units specified by the Faculty of Built Environment and Engineering will be required to wear safety shoes for most laboratory practicals and/or field trips. Students not wearing appropriate safety shoes on these occasions will be barred from (i) participating in activities in these units, and (ii) submitting any assessment associated with these activities. Students must provide their own safety shoes, safety glasses/goggles and hearing protection equipment.

All students are bound by the Queensland Workplace Health and Safety Act. In this respect, students carrying out their final year projects will be required to do a risk assessment of such projects, including risk management and control to prevent incident and accidents.

Industrial experience for Engineering and Surveying/Mapping courses (students who commenced prior to 2006)

Industrial Experience forms part of the requirements of engineering and surveying degree courses, in order to provide a realistic background for formal academic studies and to ensure that students become effectively balanced in their professional development. For engineering students, it is a requirement of the Institution of Engineers, Australia, for graduate membership. Industrial Experience is usually undertaken during the long vacation or the mid-semester recess as an employee of a private firm, government agency or local authority, but can also be accumulated during part-time/full-time employment.

Candidates must submit a report no later than the fourth week of the semester, following each period of Industrial Experience. The report is to be written in the required format describing work carried out during the period of Industrial Experience. An Industrial Experience Record Form signed by the employer is also to be submitted. Industrial Experience Record Forms are available from www.bee.qut.edu.au/students/services.

A candidate for the degree of Bachelor of Technology (Civil) must obtain at least 45 days of industrial experience in an engineering environment approved by the course coordinator.

A candidate for the degree of Bachelor of Technology (Mechanical) must obtain at least 50 days of industrial experience approved by the course coordinator.

Engineering students must obtain at least 60 days of Industrial Experience in an engineering environment approved by the course coordinator.

Bachelor of Surveying students must obtain at least 90 days of industrial experience in a surveying environment approved by the course coordinator.

Bachelor of Engineering (Aerospace Avionics) students are required to obtain 10 days specialist experience in the avionics industry. This is in addition to the 60 days industrial experience requirement.

Industrial Experience information can be obtained from the Student Services Officer, Industrial Experience, on Level 3, D Block, Gardens Point campus.

Enrolment in industrial experience

Surveying/mapping and Engineering students should not formally enrol in industrial experience.

Industrial experience requirements for Bachelor of Architecture (AR48) course

A Bachelor of Architecture student must be engaged in approved employment for at least 72 recognised weeks within the last 2-3 years of the course (ADB796 Practice Experience B). Prior to entering Year 4 Semester 1 students enrolled in the full-time course structure, must have completed 20 recognised weeks of approved employment which will be credited to the requirements of Practice Experience B. Students enrolled in the flexible full-time course structure must be engaged in approved employment for at least 48 recognised weeks within the first 3 years of the course (ADB795 Practice Experience A). Flexible full-time students enrol in ADB795 Practice Experience A in second semester of third year. All students enrol in ADB796 Practice Experience B in the second semester of the final year of the course.

Approved employment means working under the direction of an architect who is registered at the place of practice where the experience is obtained.

A recognised week is 5 days actually worked (7.6 hrs per day with a maximum of 42 hours per week). The minimum period with one employer is 8 weeks.

Allied experience can be obtained in approved areas allied to architecture (eg, Civil Engineering, Interior Design, Industrial Design, Quantity Surveying, Construction Management, Town Planning, Landscape Architecture, Building, etc). The maximum period of allied experience is 12 recognised weeks in ADB795 and 18 recognised weeks in ADB796.

Prior work experience under the direction of a registered architect before enrolment in the course is accepted up to a maximum of 24 weeks in ADB795 and a maximum of 36 weeks in ADB796.

Approved employment during leave of absence is accepted (a) in ADB795 up to a maximum of 24 recognised weeks and (b) in ADB796 after completion of at least one semester of fourth year and prior approval of the course coordinator up to a maximum of 36 recognised weeks.

Reporting each month is required on the electronic logbook. Students without access to the electronic logbook system, are to contact the course coordinator who will establish the reporting arrangements for their work experience. The electronic logbook automatically produces the AACA log-sheets required in ADB796.

Credited employment period only counts once (eg, period required for ADB795 cannot also be used for the 20 week period for entry in the last 2 years full-time mode). The employment period of ADB795 for students admitted directly into the third year of the flexible full-time course is 24 recognised weeks and the employment period of ADB796 for students admitted directly into the last year of the course is one year (52 recognised weeks).

Types of experience required:

- ADB795 Practice Experience A

At least 50% of time in undertaking design and/or documentation duties.

- ADB796 Practice Experience B

(a) At least 50% of time in undertaking design and documentation duties.
(b) Provide the following experiences on the electronic AACA log sheets:

  - contract documentation experience (AACA element 2.2.2); and
  - preliminary site investigation and evaluation of at least one project during the last 2-3 years of the course (AACA element 3.1.2); and
  - some aspect of the administration of the project contract of at least one project during the last 2-3 years of the course which can be 'observer' status where direct experience is unavailable (AACA element 3.3.1).

Industrial experience requirements for DE40 Bachelor of Design (Architectural Studies)

Graduates of the DE40 Bachelor of Design (Architectural Studies) will be subject to a GPA requirement to qualify for entry to the postgraduate course DE80 Master of Architecture. Graduates who successfully complete both degrees (DE40 and DE80) will meet the academic requirements for membership of the Royal Australian Institute of Architects (RAIA). Successful graduates of both degrees (DE40 and DE80) who have completed a minimum of 2 years' practical experience, of which at least one year is postgraduate experience, will be eligible to undertake the Architectural Practice Examination, which (if successful) will enable the graduate to be eligible for registration with any Board of Architects in Australia.

Graduates of the DE40 Bachelor of Design (Architectural Studies) will also meet the academic (technical) requirement for the Building Design Licence with the Queensland Building Services Authority.

Types of experience required: Students will have the opportunity of undertaking a minor or major in Work Integrated Learning, which will count towards their practical experience.

Bachelor of Architecture (AR48)

Year offered: 2007
Admissions: No
CRICOS code: 052308E
Course duration (full-time): 5 years full-time
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:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412372; Dfee: 412376
Past rank cut-off: 90. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.
OP Guarantee: Yes
Total credit points: 480
Standard credit points per full-time semester: 48
Course coordinator: Ms Sheona Thomson
Campus: Gardens Point

Additional Admission Information

The AR48 Bachelor of Architecture course has been replaced by DE40 Bachelor of Design (Architectural Studies) from 2006 onwards. There will be no intake into the AR48 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are not required to lodge an academic credit form, as academic credit will be awarded by QUT before the census date of your first teaching period.

After being awarded this credit and if you wish to seek for additional academic credit, you are then required to lodge an Application for Academic Credit form for that additional credit by the due date and subject QUT rules .

International Students Course Structure - 6 years

International students enrol in the full time course structure for years 1 - 3 and the flexible full time structure for years 4 - 6. Prior to entering year 4, students may seek approval from the course coordinator to enrol in the full time course structure allowing them to complete in 5 years. To be eligible for the full time course structure (years 4-5), students must have completed 20 recognised weeks of approved employment which will be credited to the requirements of the unit Practical Experience B."

Early Exit Option

Students may elect to complete their studies after three years full-time (288 credit points). Students who select this option will graduate with The Bachelor of Built Environment (Architectural Studies), which is a pre-professional degree in architecture.

Professional Recognition

Graduates of the Bachelor of Architecture degree meet the academic requirements for membership of the Royal Australian Institute of Architects and, following one year of post-graduate architectural experience, are eligible to undertake the registration examinations of the Board of Architects of Queensland.

Special course requirements

A Bachelor of Architecture student must be engaged in approved employment for at least 72 recognised weeks within the last 2-3 years of the course (ADB796 Practice Experience B). Prior to entering Year 4 Semester 1 students enrolled in the full time course structure, must have completed 20 recognised weeks of approved employment which will be credited to the requirements of Practice Experience B. Students enrolled in the flexible full-time course structure must be engaged in approved employment for at least 48 recognised weeks within the first 3 years of the course (ADB795 Practice Experience A).

Further Information

Phone +61 7 3864 4074, Fax +61 7 3864 5280, email: bee.enquiries@qut.com

Deferment

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

Course structure - full-time

Year 3 - Semester 1	
ADB005	Architectural Design 5
ADB024	Technology and Science 4
ADB065	Architectural Applications 5
ADB913	Human Environment 3

Year 3 - Semester 2	
ADB006	Architectural Design 6
ADB012	Contextual Studies 2
ADB066	Architectural Applications 6
ADB942	Elective 2

NOTE:	
	Prior to entering Year 4 Semester 1 in the full time course structure, students must have completed 20 recognised weeks of approved employment which will be credited to the requirements of Practice Experience B.

Year 4 - Semester 1	
ADB007	Architectural Design 7
ADB013	Contextual Studies 3
ADB025	Technology and Science 5

Year 4 - Semester 2	
ADB008	Architectural Design 8
ADB026	Technology and Science 6
ADB031	Professional Studies 1

ADB051	Architectural Research 1

Year 5 - Semester 1

ADB009	Architectural Design 9
ADB052	Architectural Research 2
ADB067	Elective Architectural Applications
ADB932	Professional Studies 2

Year 5 - Semester 2

ADB014	Contextual Studies 4
ADB033	Professional Studies 3
ADB053	Architectural Project
ADB796-1	Practice Experience B
ADB796-2	Practice Experience B

Special Course Notes

1	Students must complete all units in the Years 1, 2 & 3 prior to enrolling in any unit in the Year 4 schedule of AR48. The course coordinator may consider cases of special hardship.
2	Students must meet pre-requisites in all subjects.
3	Students who have not completed 20 recognised weeks of approved employment at the end of year 3 should consult with the course coordintaor regarding their 4th year enrolment program.
4	Late penalties for late assignments apply.
5	Course will involve compulsory field work within some units.

Course structure - flexible full-time

Year 3 - Semester 1

ADB005	Architectural Design 5
ADB024	Technology and Science 4
ADB913	Human Environment 3

Year 3 - Semester 2

ADB006	Architectural Design 6
ADB012	Contextual Studies 2
ADB795-1	Practice Experience A
ADB795-2	Practice experience A

New and continuing students

Year 4 - Semester 1

ADB007	Architectural Design 7
ADB013	Contextual Studies 3
ADB025	Technology and Science 5

Year 4 - Semester 2

ADB008	Architectural Design 8
ADB026	Technology and Science 6
ADB031	Professional Studies 1

Year 5 - Semester 1

ADB009	Architectural Design 9
ADB932	Professional Studies 2

Year 5 - Semester 2

ADB014	Contextual Studies 4
ADB051	Architectural Research 1
ADB941	Elective 1

Year 6 - Semester 1

ADB052	Architectural Research 2
ADB067	Elective Architectural Applications
ADB942	Elective 2

Year 6 - Semester 2

ADB033	Professional Studies 3
ADB053	Architectural Project
ADB796-1	Practice Experience B
ADB796-2	Practice Experience B

Special Course Notes

1	Students must complete all units in the Years 1, 2 and 3 prior to enrolling in any unit in the Year 4 schedule of AR48. The course coordinator may consider cases of special hardship.
2	Students must meet pre-requisites in all subjects.
3	Penalties for late assignments apply.
4	Course will involve compulsory field work within some units.
5	Students currently enrolled in BN31 cannot transfer to AR48 in years 2 and 3.
6	Acceptance into the flexible full-time mode requires approval of the course coordinator and by providing evidence of employment in an Architects office.

Potential Careers:

Architect .

Graduate Diploma in Industrial Design (AR61)

Year offered: 2007
Admissions: Yes
CRICOS code: 003479C
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): Commonwealth Supported Place *(subject to annual review)*
Domestic fees (indicative): 2007: CSP $7,104
International Fees (per semester): 2007:$10,500 per semester *(subject to annual review)*
International Fees (indicative): This is a test
Domestic Entry: February. OPEN TO CONTINUING BN31 GRADUATES ONLY IN 2008.
International Entry: February. OPEN TO CONTINUING BN31 GRADUATES ONLY IN 2008.
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Mr Andrew Scott
Campus: Gardens Point

Entry Requirements

A relevant degree or diploma from a recognised tertiary institution, or professional recognition through an equivalent course of study or examination.

Overview

During the course you are encouraged to develop your knowledge and expertise in design research, ergonomics, decision making, new product development, and CAD. The course consolidates skills and knowledge that encourages leadership.

Professional Recognition

The Graduate Diploma in Industrial Design has been recognised by the Design Institute of Australia (DIA). Graduates are eligible for associate membership. The QUT program is an educational member of the International Council of the Society of Industrial Design (ICSID).

Further Information

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email: bee.enquiries@qut.com

Full-time Course Structure

Full-time Course Structure - Semester 1	
ADP207	Industrial Design 5
ADP217	Professional Practice and Management
ADP267	Industrial Design Research 1
ADP247	Advanced Computer Aided Industrial Design

Semester 2	
ADP218	Advanced Ergonomics
ADP268	Industrial Design Research 2A
ADP269	Industrial Design Research 2B
ADP943	Elective 3

Part-time Course Structure - Year 1 - Semester 1	
ADP207	Industrial Design 5
ADP247	Advanced Computer Aided Industrial Design

Year 1 - Semester 2	
ADP218	Advanced Ergonomics
ADP943	Elective 3

Year 2 - Semester 1	
ADP217	Professional Practice and Management
ADP267	Industrial Design Research 1

Year 2 - Semester 2	
ADP268	Industrial Design Research 2A
ADP269	Industrial Design Research 2B

Potential Careers:

Industrial Designer.

Graduate Diploma in Industrial Design (AR61)

Year offered: 2007
Admissions: Yes
CRICOS code: 003479C
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): Commonwealth Supported Place *(subject to annual review)*
Domestic fees (indicative): 2007: CSP $7,104
International Fees (per semester): 2007:$10,500 per semester *(subject to annual review)*
International Fees (indicative): This is a test
Domestic Entry: February. OPEN TO CONTINUING BN31 GRADUATES ONLY IN 2008.
International Entry: February. OPEN TO CONTINUING BN31 GRADUATES ONLY IN 2008.
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Mr Andrew Scott
Campus: Gardens Point

Entry Requirements

A relevant degree or diploma from a recognised tertiary institution, or professional recognition through an equivalent course of study or examination.

Overview

During the course you are encouraged to develop your knowledge and expertise in design research, ergonomics, decision making, new product development, and CAD. The course consolidates skills and knowledge that encourages leadership.

Professional Recognition

The Graduate Diploma in Industrial Design has been recognised by the Design Institute of Australia (DIA). Graduates are eligible for associate membership. The QUT program is an educational member of the International Council of the Society of Industrial Design (ICSID).

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Full-time Course Structure

Full-time Course Structure - Semester 1	
ADP207	Industrial Design 5
ADP217	Professional Practice and Management
ADP267	Industrial Design Research 1
ADP247	Advanced Computer Aided Industrial Design

Semester 2	
ADP218	Advanced Ergonomics
ADP268	Industrial Design Research 2A
ADP269	Industrial Design Research 2B
ADP943	Elective 3

Part-time Course Structure - Year 1 - Semester 1	
ADP207	Industrial Design 5
ADP247	Advanced Computer Aided Industrial Design

Year 1 - Semester 2	
ADP218	Advanced Ergonomics
ADP943	Elective 3

Year 2 - Semester 1	
ADP217	Professional Practice and Management
ADP267	Industrial Design Research 1

Year 2 - Semester 2	
ADP268	Industrial Design Research 2A
ADP269	Industrial Design Research 2B

Potential Careers:

Industrial Designer.

Graduate Certificate in Building Fire Safety (AR65)

Year offered: 2007
Admissions: No
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): 2007: $10,500 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
Total credit points: 48
Standard credit points per part-time semester: 24
Course coordinator: Mr Jack Williamson
Campus: Gardens Point

Course structure

Semester 1	
ARB801	Fire Technology and Science
ARB803	Fire and Building Legislation

Semester 2	
ARB802	Human Behaviour and Fire
ARB804	Fire Safety System Design
	ARB801 and ARB803 are prerequisites to ARB804, ARB802 is a corequisite with ARB804.

NOTE:	
	The units are offered in block mode. It is anticipated that the two week intesive workshops will be in early July and late November for further details please contact the School.

Bachelor of Built Environment (Architectural Studies) (BN31)

Year offered: 2007
Admissions: No
CRICOS code: 003507D
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 Tuition Fee $15,360
International Fees (per semester): 2004: A$8500; 2005: A$10,000 *(subject to annual review)*
International Entry: February
OP Guarantee: Yes
Assumed knowledge: English (4 SA)
Preparatory studies: ENGLISH: Succesful completion of a year of full-time vocational or tertiary study. For further information contact 07 3138 2000 or email sbs.enquiries@qut.edu.au
Total credit points: 288
Standard credit points per full-time semester: 48
Course coordinator: Ms Sheona Thomson
Campus: Gardens Point

Further Information

Phone +61 7 3864 4074, Fax +61 7 3864 5280, email: bee.enquiries@qut.com

Bachelor of Built Environment (Industrial Design) (BN31)

Year offered: 2007
Admissions: No
CRICOS code: 003507D
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
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412382; Dfee: 412386
Past rank cut-off: 83. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.
OP Guarantee: Yes
Total credit points: 288
Standard credit points per full-time semester: 48
Course coordinator: Ms Sheona Thomson
Discipline coordinator: Mr Andrew Scott
Campus: Gardens Point

Other Majors

See also entries for the following majors in this course: Interior Design, Landscape Architecture, and Urban and Regional Planning.

Career Outcomes

Industrial designers create and produce commercial and industrial products to improve peoples' lives. They make models and prototypes of designs that cover a wide range of manufactured goods from toasters to computer terminals to rapid transport systems. When designing new or improving existing products they must consider factors influencing product design such as useability, costs, materials, technology or environment. They research product usage, make detailed drawings and supervise the construction of prototypes for testing. They mainly work in small business or consulting practices. QUT Industrial Design graduates are working worldwide in places such as the UK, Singapore and France.

Overview

Students in this course develop their capacity to contribute to the design of products and systems for the mutual benefit of users and manufacturers of a wide range of products.

Professional Recognition

Graduates of the Bachelor of Built Environment (Industrial Design) who go on to complete the Graduate Diploma in Industrial Design are eligible for associate membership of the Design Institute of Australia. QUT is an Educational Member of the International Council of Societies of Industrial Design (ICSID).

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Further information

Phone +61 7 3864 4074, Fax +61 7 3864 5280,
email: bee.enquiries@qut.com

Course structure

Year 3 - Semester 1	
ADB205	Industrial Design 3
ADB235	Manufacturing Technology 3
ADB245	Computer Aided Industrial Design 2
ADB913	Human Environment 3

Year 3 - Semester 2	
ADB206	Industrial Design 4
ADB226	Industrial Design History Theory and Criticism 2
ADB236	Manufacturing Technology 4
ADB942	Elective 2

Potential Careers:

Industrial Designer.

Bachelor of Built Environment (Interior Design) (BN31)

Year offered: 2007
Admissions: No
CRICOS code: 003507D
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
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412362; Dfee: 412366
Past rank cut-off: 90. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.
OP Guarantee: Yes
Total credit points: 288
Standard credit points per full-time semester: 48
Course coordinator: Ms Sheona Thomson
Discipline coordinator: Dr Dianne Smith
Campus: Gardens Point

Other Majors

See also entries for the following majors in this course:Industrial Design, Landscape Architecture, and Urban and Regional Planning.

Career Outcomes

Interior Designers plan and execute the layout, finishes, lighting, fittings and furnishings in domestic interior design, retail and entertainment industry design, hospitality industry design, commercial office and corporate design. Interior designers may work as consultants or with a design company. They may also seek work involving production design for film, television and theatre as well as furniture and exhibition design. There is a trend for Australian interior design companies to practice in South East Asia and bid competitively for international commissions.

Overview

Students undertaking this course receive a general background in studies in built environment combined with a series of experiences exercises relating to basic design & specifically to interior design.

Professional Recognition

Successful completion of the Bachelor of Built Environment (Interior Design) satisfies the requirements for entry into the Graduate Diploma in Interior Design. Together the courses are recognised by the Design Institute of Australia as meeting the basic requirements for professional practice.

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

For further information

Phone +61 7 3864 4074, Fax +61 7 3864 5280, email: bee.enquiries@qut.com

Course structure

Year 3 - Semester 1	
ADB105	Interior Design 5
ADB125	Interior Technology 4
ADB133	Design in Society 2
ADB913	Human Environment 3

Year 3 - Semester 2	
ADB106	Interior Design 6
ADB126	Interior Technology 5
ADB154	Furniture Studies
ADB942	Elective 2

Potential Careers:

Interior Designer.

Bachelor of Built Environment (Landscape Architecture) (BN31)

Year offered: 2007
Admissions: No
CRICOS code: 003507D
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
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412342; Dfee: 412346
Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.
OP Guarantee: Yes
Total credit points: 288
Standard credit points per full-time semester: 48
Course coordinator: Ms Sheona Thomson
Discipline coordinator: Ms Delwynn Poulton
Campus: Gardens Point

Other Majors

See also entries for the following majors in this course: Interior Design, Industrial Design, and Urban and Regional Planning.

Career Outcomes

Landscape architecture is predominantly a young profession with an increasing number of female practitioners. Sixty per cent of the profession is employed in private consultancies of landscape architects, architects, planners, urban designers and engineers. They are engaged primarily in site planning, site design, planting design and, to a lesser degree, landscape planning. Other opportunities for employment occur in the design sectors of government agencies. Some graduates work freelance on a contractual basis.

Overview

This course provides a broad based education for those seeking a career in landscape architecture. Landscape design forms the core of the course, and theory and problem-solving techniques enhance the development of studentsÀ capabilities.

Professional Recognition

Successful performance in the Bachelor of Built Environment (Landscape Architecture) enables students to gain entry to the Graduate Diploma/Master courses. The Graduate Diploma in Landscape Architecture is the only course of its kind in Queensland, and is accredited by the Australian Institute of Landscape Architects (AILA). Graduates from the Graduate Diploma or Master of Landscape Architecture are recognised in New Zealand and Hong Kong and overseas generally through their AILA membership.

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Further information

Phone +61 7 3864 4074, Fax +61 7 3864 5280,
email: bee.enquiries@qut.com

Course structure

Year 3 - Semester 1	
PSB416	Research and Criticism
PSB434	Landscape Construction A (L'scape Only)
PSB451	Planning/Landscape Design 5
PSB453	Elective 1

Year 3 - Semester 2	
PSB444	Landscape Construction B (L'scape Only)
PSB461	Planning/Landscape Design 6
PSB462	Conservation and Management
PSB463	Elective 2

Potential Careers:

Landscape Architect.

Bachelor of Built Environment (Urban and Regional Planning) (BN31)

Year offered: 2007
Admissions: No
CRICOS code: 003507D
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
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412352; Dee: 412356
Past rank cut-off: 77. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.
OP Guarantee: Yes
Total credit points: 288
Standard credit points per full-time semester: 48
Course coordinator: Dr John Hayes
Discipline coordinator: Associate Professor Phil Heywood
Campus: Gardens Point

Other Majors

See also entries for the following majors in this course:Interior Design, Industrial Design, and Landscape Architecture.

Career Outcomes

Urban and Regional Planners develop plans and policies for the use of land and resources. They aim to fulfil the social, cultural economic and environmental needs of the community. There are numerous employment opportunities can found in state and local government departments, with private sector planning consultants and land development enterprises. Graduates can build careers in urban design, community health and welfare, housing, transport, and strategic land-use planning, and land and resource development.

Overview

Urban and regional planning involves environmental design, map and aerial photo interpretation, human environment, land use generation, population and urban studies, economics of town planning, employment and industry, land development, demography and housing, and provision of community facilities.

Professional Recognition

Successful completion of the Bachelor of Built Environment (Urban and Regional Planning) enables students to gain entry to the Graduate Diploma/Masters in Urban and Regional Planning, which are both fully accredited by the Planning Institute of Australia (PIA).

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the another study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Further information

Phone +61 7 3864 2852 Fax +61 7 3864 1515
email: bee.enquiries@qut.com

Course structure

Year 3 - Semester 1	
PSB451	Planning/Landscape Design 5
PSB452	Professional Skills 2
PSB453	Elective 1
PSB610	Government and Law

Year 3 - Semester 2	
PSB461	Planning/Landscape Design 6
PSB462	Conservation and Management
PSB463	Elective 2
PSB613	Land Development Principles and Policies

Potential Careers:

Urban and Regional Planner, Urban Designer.

Master of Applied Science (Research) (BN71)

Year offered: 2007
Admissions: Yes
CRICOS code: 003462A
Course duration (full-time): 1 year (minimum), 2 years (maximum)
Course duration (part-time): 2 years (minimum), 4 years (maximum)
Domestic fees (per credit point): RTS/RTA: 2007 Full fee tuition $130 per credit point (exceeded max entitlements) *(subject to annual review)*
Domestic fees (indicative): 2007: $12,480
International Fees (per semester): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: At any time
International Entry: At any time
Campus: Gardens Point

Entry Requirements

A four-year degree in an appropriate discipline with Honours or equivalent qualification or a graduate diploma or masters degree in an appropriate discipline with a minimum grade point average of 5 with relevant experience or professional experience and/or other qualifications.

Part-time Study

QUT advises that International Students may only enrol in full-time studies.

Overview

From this research degree you acquire advanced knowledge of applied science research methods, applied to research problems in the built environment. As well as mastering relevant techniques, you can expect to develop high-level skills in investigation and critical thinking and extensive knowledge in a specialist area. Specialisations are available in Architecture, Interior Design, Industrial Design, Construction Management, Quantity Surveying, Property Economics, Project Management, Planning, Landscape Architecture and Surveying. Our Faculty staff are available to discuss your application with you. You are encouraged to approach them early in the development of the research proposal that forms part of your application. Master by Research studies normally include:

* assessed coursework
* participation in university scholarly activities such as research seminars, teaching and publication
* regular meetings with supervisors
* a program of supervised research and investigation
* preparation of a thesis.

Fees

Australian students enrolling after August 31 2000 in a higher degree by research are subject to the conditions of the Commonwealth Government's Research Training Scheme (RTS). Research Students who enrol at QUT will be awarded an RTS place, which is funded by the Commonwealth, or a QUT Research Training Award Scheme (RTA) place, which is a fee remission scholarship. Research Masters students are entitled to two years full-time equivalent study under these schemes, Students who exceed this entitlement may apply to QUT for an extension, however the University may charge fees for the period of the program which exceeds the student's entitlement. The University determines the fee level.

HDR Director

Professor Mahen Mahendran
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1 - General Conditions

1.1 The Council of the Queensland University of Technology was established in 1989 under the Queensland University of Technology Act 1988.
1.2 The CouncilÀs power to approve recommendations from Faculty Academic Boards regarding the registration, supervision and examination of research degree candidates and to develop policy and procedures relating to research degrees is exercised through a University Research Committee which is a subcommittee of University Academic Board.
1.3 University Research Committee has delegated responsibility for day-to-day administration of research masters degree courses to faculty academic boards. Academic boards shall report biannually to University Research Committee on progress made by Research Masters degree candidates.
1.4 This program is administered by the Academic Board of the Faculty of Built Environment and Engineering through its Faculty Research Committee. The program is offered in Architecture, Civil Engineering, Construction Management, Electrical and Electronic Systems Engineering, Industrial Design, Interior Design, Landscape Architecture, Mechanical, Manufacturing Engineering and Medical Engineering, Property Economics, Planning and Surveying.
1.5 In order to qualify for the award of the degree of Master of Applied Science (Research) or Master of Engineering a candidate must:
Àhave completed the approved program involving advanced work under the supervision of a Thesis Panel prescribed by the Faculty Research Committee of the Built Environment and Engineering Academic Board
Àhave submitted, and the Faculty Research Committee accepted a thesis, together with reports and/or documents where applicable, prepared under the supervision of the Thesis Panel
Àhave completed such other work as may be prescribed by the Faculty Research Committee, and
Àsubmit to the Faculty Research Committee a declaration signed by the candidate that they have not been a candidate for another tertiary award without permission of the Faculty Research Committee.

2 - Registration

2.1 Applications shall be accepted subject to the availability of facilities and supervision.
2.2 Applications may be lodged with the Registrar at any time.
2.3 There is a six-month maximum period for domestic students and nine months for international students,

between acceptance by the Faculty Research Committee and enrolment by the candidate in the Master of Applied Science (Research) or Master of Engineering before the offer of admission to the program lapses. Candidates are required to complete an enrolment form each semester.

A Note Regarding Enrolment

The Faculty and Student Services are to be advised of any changes to name, address or other personal details. Application to vary any aspect of the candidacy must be made in writing directly to the Faculty Research Committee for Built Environment and Engineering and be endorsed by the principal supervisor.

2.4 The minimum academic qualifications for admission to the Master of Applied Science (Research) or Master of Engineering are:

* a four-year degree in an appropriate discipline in which the candidate has received at least second class Honours from the Queensland University of Technology, or
* a qualification judged equivalent by the Faculty Research Committee, or
* a grade point average of 5.0 or better in a graduate diploma program, in a relevant discipline, together with demonstrated potential for further study and/or evidence of professional standing, or
* a grade point average of 5.0 or better in a coursework masters degree program in a relevant discipline, together with demonstrated potential for further study and/or evidence of professional standing.

An applicant for the Master of Applied Science (Research) or Master of Engineering program without the minimum entry requirement may present a case for admission based on the submission of evidence of qualifications which demonstrate the applicant's capacity to pursue the course of study.

The case may be based on the following:

(a) three years professional experience in the general field in which the proposed work lies, or

(b) satisfactory completion of an appropriate Masters qualifying program including formal coursework and/or reading program in related fields stipulated by the Faculty Research Committee, or

(c) the submission of technical publications or other appropriate evidence which satisfies the Faculty Research Committee that advanced knowledge has been acquired in a branch of applied science relevant to the built environment or a division of engineering in which the applicant has worked as a professional practitioner in a position of responsibility. This knowledge should be relevant to the field of study proposed.

2.5 A candidate will be eligible to be registered as a graduate student if they are considered by Faculty Research Committee to meet the requirements for entry.

2.6 A candidate shall receive confirmed registration as a graduate student when they:

* have satisfied the requirements for admission and achieved by work and study a standard recognised by Faculty Research Committee, or
* have satisfied Faculty Research Committee that they are a suitable person to undertake the program, and
* have satisfied Faculty Research Committee that they can devote sufficient time to the research and study.

2.7 In considering an applicant for registration, the Faculty Research Committee shall, in addition to assessing the applicants suitability, be satisfied that:

* the proposed program is relevant to the aims and objectives of the University
* the proposed program has relevance to the needs of society or industry, and
* adequate resources are available to support the proposed program.

2.8 An application for registration should set out systematically and fully the candidates intended course of study including the following:

* a description of the area of study within which the candidates course lies
* a summary of the work to be undertaken, the proposed title of the thesis to be written, the aim of the proposed program, its background, the significance and possible application of the research program, and the research plan
* the location at which the work will be undertaken, the amount of time which will be devoted to it and the resources required
* details of academic qualifications and supporting evidence, including copies of results for each year of courses undertaken
* a brief account of industrial experience
* a list of publications
* sponsorship details
* statement of approval by Head of School and/or Postgraduate Research Coordinator, and
* any other relevant material.

2.9 The program is offered on a full-time or a part-time basis and may be undertaken externally. Part-time students normally will be employed in some professional capacity during the day and carry out their research projects on a part-time basis at QUT, in their place of employment or in a sponsoring organisation.

2.10 Full-time students may be on a scholarship from industry or QUT, and may carry out their research at QUT or in a sponsoring organisation. Normally full-time students would be expected to work on their research projects at QUT for not less than three-quarters of a normal working week, averaged over each year of candidacy. Such a candidate may not devote more than 300 hours annually to teaching activities, including preparation and marking.

2.11 A candidate may be based at QUT or at a place of employment or sponsoring institution. Normally, support of the sponsoring institution for the candidate's application is required for registration. A candidate may also be external where their residence is outside of Brisbane.

2.12 The Faculty Research Committee may cancel a candidate's registration if, after consulting a candidate's supervisor and having taken account of all relevant circumstances, the committee is of the opinion that the candidate either has effectively discontinued their studies or has no reasonable expectation of completing the course of study within the maximum time allowed (see Section 4).

2.13 A candidate whose registration has lapsed or has been cancelled, and who wishes subsequently to re-enter the course of study to pursue a research program which is substantially the same as the previous investigation may be re-admitted under such conditions as the Faculty Research Committee shall prescribe.

3 - Course of Study

3.1 A candidate for the degree of Master of Applied Science (Research) or Master of Engineering will undertake a program of research and investigation on a topic approved by the Faculty Research Committee.
3.2 All projects should be supported by outside agencies such as industry, government authorities and professional organisations, or by QUT itself. This provision is to ensure that programs are relevant to the aims of the University and the community. It is important that projects be primarily directed towards society or industry need.
3.3 The program must be such as to enable the candidate to develop and demonstrate a level of scientific competence significantly higher than that expected of a first degree graduate. The required competence normally would include mastery of relevant techniques, investigatory skills, critical thinking, and a high level of knowledge in the specialist area.
3.4 Where advised, a candidate may be required to complete satisfactorily a program of formal coursework in subjects relevant to the field of study up to a total class contact of 32 credit points.
3.5 The course of study normally will include:
* participation in University scholarly activities such as research seminars, teaching and publication
* regular face-to-face interactions with supervisors, and
* a program of supervised research, design, investigation, development, construction, or any combination thereof.
The course of study may also include a program of assessed coursework.
3.6 Coursework at masters level demands a capacity for critical analysis and a specialisation of research interests not normally appropriate for an undergraduate program. Such coursework may be conducted in a number of ways:
* as advanced lecture courses
* as seminars in which faculty and candidates present critical studies of selected problems within the subject field
* as independent study or reading courses, or
* as research projects conducted under faculty supervision.
Candidates will be encouraged to attend conferences where these are related to the field of the research.
In all cases, coursework will be based upon a formal syllabus setting out the educational outcomes expected from the course, a list of topics to be covered, the prescribed reading material and the method of assessment of progress through and at the end of the course.
3.7 Maximum and Minimum Coursework Requirements:
Thesis - 96 credit points minimum (at least two-thirds of the degree content)
* Maximum coursework requirement - 32 credit points
* Minimum coursework requirement - 4 credit points - IFN001 Advanced Information Retrieval Skills
* Maximum of 16 credit points per semester for each semester of the program
*Additional Requirements:
Attendance and participation in School of Research Centre seminars/workshops (compulsory).
Students must contact the Postgraduate Research Coordinator in their School to finalise any other coursework component of their program.

4 - Period of Time for Completion of Course of Study

4.1 The duration of study will normally be a minimum of one year and a maximum of two years or the part-time equivalent.
4.2 In order to encourage completion of research degrees within a reasonable timeframe, QUT has set a limit of two years on the length of time for which it will fund a faculty for full-time research masters degree candidates.
4.3 A registered full-time graduate student shall present the thesis for examination after a period of at least one year but not more than two years has elapsed from the time of confirmed registration. A registered part-time graduate student shall present the thesis for examination after a period of at least two years. The maximum time is four years from the time of confirmed registration. In special cases the Faculty Research Committee may approve a shorter period.
4.4 Time limits are measured in years from the time of first registration as a graduate student. Periods of exclusion or absence without approval are included.
4.5 Candidates who exceed these limits may be asked to show cause why they should not have their registration in the program terminated. Such candidates must make formal application to the Faculty Research Committee to have their registration extended beyond the normal time. Details of the candidate's progress shall be presented to the committee together with the reasons for the delay in completing the course and the expected date of completion. Where the committee agrees to an extension, a time limit will be set for the maximum period of registration in the program.
4.6 Candidates are notified of termination by registered mail. They have right of appeal to the Academic Appeals Committee.

5 - Supervision

5.1 The Faculty Research Committee shall appoint at least one supervisor the principal supervisor and also at least one associate supervisor. Each member of the supervisory panel shall bring appropriate experience in the research area of the student.
5.2 The Principal Supervisor shall normally be from the academic staff of the QUT school in which the candidate is enrolled.
5.3 The Supervisory Panel shall supervise all aspects of the candidate's work program, shall receive reports from the candidate on progress and shall recommend to the Faculty Research Committee both on successful and unsuccessful completion of components of the coursework incorporated in the candidate's program, on progress on the thesis research project and on continued enrolment.
5.4 The Supervisory Panel shall receive a formal oral and written report from the candidate at least once every semester on progress on the research project.
5.5 Summary of Faculty Supervisory registration process:
To ensure that students receive appropriate supervision from experienced supervisors and active researchers the Faculty has introduced a Supervisors Register which requires registered supervisors to demonstrate performance in three areas.
1. Practice - previous supervisory experience of at least five years.
2. Research - evidence of active research through grants and publications
3. Continuous development

6 - Place and Conditions of Work

6.1 The research program will normally be carried out under supervision in a suitable environment within Brisbane. However, external study is possible. External candidates will be required to spend a minimum of four weeks at QUT annually.
6.2 The Faculty Research Committee shall not admit a candidate to a program of research based at the University unless it has received:
* a supporting statement from the Head of the QUT School and/or Postgraduate Research Coordinator in the School in which the study is proposed indicating that, in their opinion, the applicant is a suitable person to undertake a research program leading to the masters degree, that the program is supported, that the school is willing to undertake the responsibility of supervising the work of the applicant and that resources are available to support the proposed research.
6.3 The Faculty Research Committee shall not admit a candidate to a program of research based at a sponsoring establishment unless it has received:
* a supporting statement from the employer or director of the sponsoring institution that they are aware of the course rules and are prepared to sponsor and support the applicant, that the applicant will be provided with facilities and time to undertake the research project and that they are willing to accept responsibility for supervising the applicant's work, and
* a supporting statement from the head of the QUT school or Postgraduate Research coordinator in which the study is proposed indicating that, in their opinion, the applicant is a suitable person to undertake a research program leading to the Masters degree, that the program is supported, and that after examination of the proposed external facilities and supervision, the school is willing to accept the responsibility of supervising the work.

7 - Thesis

7.1 In the form of presentation, availability and copyright, the thesis shall comply with all the requirements of the document Requirements for Presenting Theses (Appendix 51 in the Manual of Policies and Procedures).
7.2 A candidate shall submit the title of their thesis for approval by the Faculty Research Committee with their application, and after approval has been granted, no change will be made except with the permission of the committee.
7.3 The candidate shall give two months' written notice of intention to submit their thesis through the Principal Supervisor.
7.4 The thesis shall comply with the following requirements:
* a significant proportion of the work described (as determined by the Faculty Research Committee) must have been carried out subsequent to initial registration for the Masters degree.
* it must describe a program of work carried out by the candidate and must involve either an advanced contribution to the knowledge of the subject or an advanced application of existing knowledge.
* it must reach a satisfactory standard of literary presentation.
* it shall be the candidate's own account of the work. Where work is carried out conjointly with other persons, the Faculty Research Committee shall be advised of the extent of the candidate's contribution to the joint work.
* the thesis shall not contain as its main content any work or material which the candidate has previously submitted for another degree or similar award.
* the thesis may consist primarily of reports, plans and/or documents or may be supported by these if they have a bearing on the subject of the thesis. Other supporting documents such as published papers may also be submitted with the thesis.
* the thesis shall contain an abstract of not more than 300 words.
7.5 Except with the specific permission of the Faculty Research Committee, the thesis must be presented in the English language. Such permission must be sought at the time of application for registration, and will not be granted solely on the grounds that the candidate's ability to satisfy the examiners will be affected adversely by the requirement to present the thesis in English.
7.6 Subject to QUT's Intellectual Property policy, the copyright of the thesis is vested in the candidate.
7.7 Where a candidate, supervisor or the sponsoring establishment wishes the thesis to remain confidential for a period of time after completion of the work, application for approval must be made to the Faculty Research Committee when the thesis is submitted. The period normally shall not exceed two years from the date on which the examiners recommend acceptance of the thesis, during which time the thesis will be held on restricted access in the QUT Library.
7.8 Except where confidentiality of the thesis is necessary, students shall submit their thesis electronically after completion of the examination process and any corrections required to the QUT Library for inclusion in the Australian Digital Thesis Project.

8 - Examination of Thesis

8.1 The Faculty Research Committee shall appoint three examiners, at least one of whom shall be from outside of the University. No supervisor of the candidate shall be appointed as one of the examiners.
8.2 Normally, examiners must agree to read and report upon the thesis within two months of its receipt.
8.3 A candidate may be required to make an oral defence of the thesis.
8.4 On receipt of the reports from the examiners, the Faculty Research Committee shall:
(a) recommend that the thesis be accepted without modification, and to Academic Board that the candidate be awarded the degree, or
(b) recommend to Academic Board that the candidate be awarded the degree, after any minor amendments requested by the examiners have been made, or
(c) recommend that the thesis not be accepted until major revisions have been made. Such revisions might be rewriting one of the sections, with or without additional work, or
(d) not accept the thesis and terminate the candidate's registration.
8.5 If the examiners' reports are conflicting, the Faculty Research Committee may, after appropriate consultation with the Thesis Panel, resubmit the thesis to the examiners with copies of the examiners' reports and/or seek the advice

of a further external examiner. After due consideration of further reports from the examiners, a majority decision will be accepted by the Faculty Research Committee.

Further Information

The Faculty of Built Environment and Engineering: Phone +61 7 3864 1424, Fax +61 7 3864 8381,
e-mail: bee.research@qut.edu.au
WEB address: http://www.bee.qut.edu.au/research

Potential Careers:

Architect , Art Project Manager, Artist, Community Education Officer, Community Worker, Construction Manager, Contract Administrator, Environmental Health Officer, Exchange Student, Industrial Designer, Landscape Architect, Manager, Medical Equipment Sales, Project Developer, Project Manager, Property Development, Property Economist, Public Servant, Quantity Surveyor, Real Estate, Secondary School Teacher, Teacher, Urban and Regional Planner, Urban Designer.

Master of Engineering (BN72)

Year offered: 2007
Admissions: Yes
CRICOS code: 003465J
Course duration (full-time): 1 year (minimum), 2 years (maximum)
Course duration (part-time): 2 years (minimum), 4 years (maximum)
Domestic fees (per credit point): RTS/RTA: 2007 Full fee tuition $130 per credit point (exceeded max. entitlement) *(subject to annual review)*
Domestic fees (indicative): $12480 (exceeded max. entitlement)
International Fees (per semester): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: At any time
International Entry: At any time
Campus: Gardens Point

Entry Requirements

A four-year degree in an appropriate discipline with Honours or equivalent qualification or a graduate diploma or masters degree in an appropriate discipline with a minimum grade point average of 5 with relevant experience or professional experience and/or other qualifications.

Part-time Study

QUT advises that International Students may only enrol in full-time studies.

Overview

This research program for professional engineers equips you to solve complex industrial problems. The program is available in Civil, Electrical and Electronic Systems, Mechanical, Manufacturing and Medical Engineering. In completing the course you apply yourself to real-world problems in a research project which usually be sponsored by industry, government authorities, professional organisations or QUT. You can enhance your preparation for the research project by completing coursework units as part of your program.Master of Research studies normally include:

* assessed coursework
* participation in university scholarly activities such as research seminars, teaching and publication
* regular meetings with supervisors
* a program of supervised research and investigation
* preparation of a thesis.

Fees

Australian students enrolling after August 31 2000 in a higher degree by research are subject to the conditions of the Commonwealth Government's Research Training Scheme (RTS). Research Students who enrol at QUT will be awarded an RTS place, which is funded by the Commonwealth, or a QUT Research Training Award Scheme (RTA) place, which is a fee remission scholarship.

Research Masters students are entitled to two years full-time equivalent study under these schemes. Students who exceed this entitlement may apply to QUT for an extension, however the University may charge fees for the period of the program which exceeds the student's entitlement. The University determines the fee level.

HDR Director

Professor Mahen Mahenrdran
Phone: +61 7 3864 2543
fax: +61 7 3864 1515

Course Information and Notes

Please consult notes for BN71 Master of Applied Science for course information and requirements.

Further Information

The Faculty of Built Environment and Engineering: Phone +61 7 3864 1424, Fax +61 7 3864 8381,
e-mail: bee.research@qut.edu.au
WEB address: http://www.bee.qut.edu.au/research

Potential Careers:

Aerospace Avionics Engineer, Biomechanical Engineer, Biomedical Engineer, Civil Engineer, Electrical and Computer Engineer, Electrical Engineer, Environmental Engineer, Exchange Student, Government Officer, Hydrogeologist, Industrial Designer, Information Security Specialist, Instrument Maker, Manager, Manufacturer, Mastering Engineer, Mechanical Engineer, Medical Engineer, Medical Equipment Sales, Medical Imaging Technologist, Network Manager, Programmer, Recording Engineer, Rehabilitation Engineer, Rehabilitation Professionals, Software Engineer, Systems Analyst, Teacher.

Bachelor of Engineering (Civil) (CE44)

Year offered: 2007
Admissions: Yes
CRICOS code: 037544G
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
International Fees (per semester): 2007: $10,000 per semester *(subject to annual review)*
Domestic Entry: February and July
International Entry: February (July entry available to students with Advanced Standing)
QTAC code: 412502; Dfee: 412506
Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.
OP Guarantee: Yes
Total credit points: 384
Standard credit points per full-time semester: 48
Course coordinator: Dr R.Mahalinga-Iyer
Discipline coordinator: Dr Jon Bunker
Campus: Gardens Point

Additional Admission Information

The CE44 Bachelor of Engineering (Civil) course has been replaced by EN40 Bachelor of Engineering (Civil) from 2006 onwards. There will be no intake into the CE44 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Career Outcomes

Civil engineers plan, design, construct, operate and maintain roads, bridges, dams, water supply schemes, sewerage systems, transportation, harbours, canals, dockyard facilities, airports, railways, factories and large buildings. Civil engineers may gain employment with Local State and Commonwealth Governments, semi-government agencies, construction firms, power generating authorities, mining firms, property developers and consulting engineering firms. A small number are employed in research activities and teaching. After obtaining suitable experience there is also the opportunity to establish their own consulting engineering practice.

Overview

Fields of Study: Civil Eng major; Structural Analysis and Design, Computer Applications, Transport Engineering, Environmental Engineering, Geotechnical Mechanics, Water Engineering, Construction Management, Waste Management. Environmental major; Sustainable development, waste management, toxic site rehabilitation, water & wastewater Environmental Major: Students select the environmental units in their last year.

Professional Recognition

This degree is recognised for the purpose of membership of Engineers Australia. It is professionally recognised by the Hong Kong Institution of Engineers, the UK Institution of Mechanical Engineers, the Institution of Professional Engineers, New Zealand, The Institution of Engineers, Ireland and the various professional engineering registry bodies in the USA.

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Mid-year entry

The CE45 Bachelor of Engineering (Civil) midyear course has been replaced by EN40 Bachelor of Engineering (Civil) from 2006 onwards. There will be no intake into the CE45 course in 2006 with the exception of QTAC applicants commencing their studies with at least 72 credit points of advanced standing (academic credit).

If offered a place, you may be are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Civil) must obtain at least 60 days of industrial experience/practice in an engineering environment approved by the course coordinator.

Deferment

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

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Course structure - February entry (CE44)

Year 3 - Semester 1	
CEB317	Professional Studies 4 (Project Documentation and Roads)
CEB318	Structural Engineering 2
CEB319	Water Engineering
MAB138	Engineering Statistics and Numerical Methods

Year 3 - Semester 2	
CEB321	Water and Wastewater Treatment
CEB322	Geotechnical Engineering 2
CEB323	Transport Engineering 1
CEB329	Professional Studies 5 (Steel Design & Construction)

Year 4 - Semester 1	
CEB411	Thesis Project A
	OR Elective
CEB412	Project Engineering 2
CEB424	Professional Studies 6 (Concrete Structures and Geotechnical Engineering)
	null

Year 4 - Semester 2	
CEB413	Structural Engineering 3
CEB415	Thesis Project B
	OR CEB411 or Elective for those who have completed CEB411
CEB425	Professional Studies 7 (Civil Design Project)
	Choose one Elective

Course structure - Mid year entry (CE45)

Year 1 - Summer Program	
CEB110	Engineering Mechanics 2
CEB209	Geotechnical Engineering 1
	or (which ever is timetabled for summer)
CEB217	Hydraulic Engineering 1

Year 2 - Semester 1	
CEB207	Professional Studies 2 (Timber Structures and Earthworks)
CEB208	Materials Science
CEB213	Environmental Science
MAB132	Engineering Mathematics 2A

Year 2 - Semester 2	
ENB103	Electrical Engineering
CEB214	Professional Studies 3 (Environmental & Transport)
CEB215	Structural Engineering 1
CEB216	Project Engineering 1
CEB217	Hydraulic Engineering 1

Year 3 - Semester 1	
	Program is the same as CE44 entry hereafter.

Note:	
	Mid-Year Entry International Students please consult the course coordinator regarding your course structure.

Electives

Semester 1	
CEB416	Environmental Law and Assessment
CEB507	Finite Element Methods
CEB508	Transport Engineering 2
CEB509	Project Management and Administration
CEB523	Environmental Geotechnology

Semester 2	
CEB418	Waste Resource Management
CEB513	Advanced Construction Practice
CEB514	Project Control
CEB516	Masonry Design
CEB517	Advanced Engineering Studies
CEB518	River and Coastal Engineering
CEB522	Geotechnical Engineering Practice
	With approval from the course coordinator students may be permitted to enrol in one elective unit from other QUT faculties. Not all electives will run every year.

Course structure - Environmental Major

Years 1, 2 and 3	
	See Year 1, 2 and 3 of full-time CE44 course structure

Year 4 - Semester 1	
CEB411	Thesis Project A
	OR Elective
CEB416	Environmental Law and Assessment
CEB424	Professional Studies 6 (Concrete Structures and Geotechnical Engineering)
CEB523	Environmental Geotechnology

Year 4 - Semester 2	
CEB415	Thesis Project B
	OR CEB411 or elective for those who have completed CEB411
CEB418	Waste Resource Management
CEB426	Environmental Professional Studies (Civil Project)
	Choose 1 Environmental Elective

Potential Careers:

Civil Engineer, Environmental Engineer.

Bachelor of Engineering (Civil and Environmental Management) (CE46)

Year offered: 2007
Admissions: Yes
CRICOS code: 040310K
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
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February and July
QTAC code: 412502; Dfee: 412506
Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.Z
OP Guarantee: Yes
Total credit points: 384
Course coordinator: Dr R.Mahalinga-Iyer
Discipline coordinator: Dr Jon Bunker
Campus: Gardens Point

Additional Admission Information

The CE46 Bachelor of Engineering (Civil and Environmental Management) course has been replaced by EN40 Bachelor of Engineering (Civil and Environmental Management) from 2006 onwards. There will be no intake into the CE46 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Career Outcomes

Environmental management is concerned mainly with the assessment and management of the effect of human and other activity on the environment. Graduates apply their skills to find solutions for the management of liquid and solid waste, or air and noise pollution. Graduates can be employed by government bodies and private companies involved with the environmental aspects of planning, designing, constructing and monitoring of structures and facilities including mines, factories, power stations, water and waste water treatment plants and refineries. As legislation becomes more stringent and the community's expectations increase, there will be need for institutions to employ more environmental engineers.

Overview

The course provides technical education civil, environmental engineering and science as well as environmental management skills in urban infrastructure and mining development will be taught. The course also teaches social, legal government and economic topics related to sustainable development.

Professional Recognition

This course has provisional accreditation from Engineers Australia (EA).

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Civil and Environmental Management) must obtain at least 60 days of industrial experience/practice in an engineering environment approved by the course coordinator.

Deferment

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

Further Information

Phone +61 7 3846 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Course Structure

Year 3 - Semester 1	
CEB317	Professional Studies 4 (Project Documentation and Roads)
CEB319	Water Engineering
CEB419	Environmental Transport and Infrastructure Management
PSB452	Professional Skills 2

Year 3 - Semester 2	
CEB321	Water and Wastewater Treatment
CEB322	Geotechnical Engineering 2
CEB330	Environmental Management for Engineers
CEB418	Waste Resource Management

Year 4 - Semester 1	
CEB416	Environmental Law and Assessment
CEB420	Environmental Thesis Project A
CEB523	Environmental Geotechnology
	Environmental Elective

Year 4 - Semester 2	
CEB426	Environmental Professional Studies (Civil Project)
UDB164	Population and Urban Studies
	2 Environmental Electives (approval of Course Coordinator is required)

Electives - Semester 1 (subject to availability)

CEB415	Thesis Project B
NRB500	Environmental Systems and Modelling
NRB501	Spatial Analysis of Environmental Systems
PSP453	Urban Systems and the Physical Environment
	Or other units approved by the course coordinator

Electives - Semester 2 (subject to availability)

CEB415	Thesis Project B
NRB440	Environmental Chemistry
NRB600	Sustainable Environmental Management
NRB672	Marine and Freshwater Ecosystems
	Or other units approved by the course coordinator.

Potential Careers:

Civil Engineer, Environmental Engineer.

Graduate Certificate in Civil Engineering (CE62)

Year offered: 2007
Admissions: No
CRICOS code: 040341C
Course duration (full-time): Full-time may be available in consultation with course coordinator.
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
Total credit points: 48
Course coordinator: Mr Yin Foong
Campus: Gardens Point

Entry Requirements

A Bachelor of Engineering (Civil) or equivalent qualification from a recognised tertiary institution. You may also seek entry if you have an Associate Diploma or Bachelor of Technology degree in Civil Engineering and documentary evidence of approximately five years full-time employment at an advanced technical level in a relevant engineering activity.

Overview

This course provides you with specialised professional training to meet the needs of councils, industry and state authorities. The units help you develop expertise for promotion and job changes, and meet the requirements for continuing professional recognition by the Institution of Engineers, Australia. The wide range of units and short course duration enables you to focus on very specific areas. One external postgraduate unit can be undertaken as an elective with prior approval of the course coordinator.

Articulation

Students who achieve a grade point average of 5.0 or above in the Graduate Certificate will be able to apply for entry to the Master of Engineering Science (Civil) (CE74) on the condition that they possess an undergraduate degree in engineering.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Course structure

Environmental Engineering Major - Semester 1	
CEP291	Environmental Law and Assessment
	Elective

Environmental Engineering Major - Semester 2	
CEP141	Studies in Environmental Engineering
	Elective

Engineering Administration Major - Semester 1	
CEP294	Engineering Contract Development and Administration
	Elective

Engineering Administration Major - Semester 2	
CEP295	Civil Engineering Management in a Project Environment
	Elective

Electives - Semester 1	
CEP142	Water Pollution Control
CEP161	Professional Development Studies 1
CEP201	Process Modelling
CEP218	Transportation Engineering
CEP291	Environmental Law and Assessment
CEP293	Pavement Design
CEP294	Engineering Contract Development and Administration

Electives - Semester 2	
CEP141	Studies in Environmental Engineering
CEP143	Biological Treatment Processes
CEP175	Pavement Maintenance Rehabilitation and Recycling
CEP216	Advanced Traffic Engineering
CEP262	Professional Development Studies 2
CEP295	Civil Engineering Management in a Project Environment
	PLEASE NOTE:
	Advice must be sought from the course coordinator before enrolling in either CEP161 or CEP262.
	The School reserves the right to offer the units according to enrolment quotas and staff availability.
	With permission of the Course Coordinator students may be permitted to take an elective from other engineering areas.
	One postgraduate unit from inside/outside of the School can be undertaken as an elective with prior approval of the Course Coordinator.

Potential Careers:

Civil Engineer, Environmental Engineer.

Graduate Diploma in Civil Engineering (CE64)

Year offered: 2007
Admissions: No
CRICOS code: 036430C
Course duration (full-time): 1 year
Course duration (part-time): 2 years
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
Total credit points: 96
Course coordinator: Mr Yin Foong
Campus: Gardens Point

Entry Requirements

You must hold an acceptable degree or diploma in engineering from a recognised institution. If you do not meet the requirements for normal entry but hold a degree or diploma in a scientific or technological field or other equivalent qualifications or hold professional engineering recognition you may be required to complete such prerequisite engineering units as may be determined by the course coordinator prior to enrolment in the course.

Overview

You undertake specialist studies in transportation, public health, local government, or environmental engineering. You cover topics including urban transport planning, road and traffic engineering, public health, waste management, construction management, law, process modelling, management and administration, and environmental impact assessment.

Selection of Units

Students who do not wish to undertake the Environmental major must complete the generic core units plus any combination of elective units as listed below totalling 48 credit points. Programs should be devised in consultation with the Course Coordinator.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Course structure

Environmental Engineering Major

Semester 1

CEP291	Environmental Law and Assessment
	3 Electives from the list below

Semester 2

CEP141	Studies in Environmental Engineering
	3 Electives from the list below

Core Units

Semester 1

CEP201	null
	3 Electives from the list below

Semester 2

CEP295	null
	3 Electives from the list below

Electives - Semester 1

CEP142	Water Pollution Control
CEP161	Professional Development Studies 1
CEP201	Process Modelling
CEP218	Transportation Engineering
CEP291	Environmental Law and Assessment
CEP293	Pavement Design
CEP294	Engineering Contract Development and Administration

Electives - Semester 2

CEP141	Studies in Environmental Engineering
CEP175	Pavement Maintenance Rehabilitation and Recycling
CEP216	Advanced Traffic Engineering
CEP262	Professional Development Studies 2
CEP295	Civil Engineering Management in a Project Environment
	PLEASE NOTE:
	Advice must be sought from the course coordinator before enrolling in either CEP161 or CEP262.
	The School reserves the right to offer the units according to enrolment quotas and staff availability.
	With the approval of the Course Coordinator students may be permitted to take units from other engineering areas.
	One postgraduate unit from inside/outside of the School can be undertaken as an elective with prior approval of the Course Coordinator.

Potential Careers:

Civil Engineer, Environmental Engineer.

Master of Engineering Science (Civil Engineering) (CE74)

Year offered: 2007
Admissions: Yes
CRICOS code: 020300M
Course duration (full-time): 1 year
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:$10,500 per semester *(subject to annual review)*
Domestic Entry: February. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Standard credit points per part-time semester: 24
Course coordinator: Mr Yin Foong
Campus: Gardens Point

Entry Requirements

A Bachelor of Engineering degree with Honours in Civil Engineering or a Graduate Diploma in Civil Engineering with a grade point average of at least 5 on a 7-point scale. If applicants have completed 50 per cent of the Graduate Diploma in Civil Engineering with a minimum grade point average of 5 they may transfer to the Masters program. If applicants have not taken units equivalent to QUT undergraduate units in their chosen area of specialist study, they may need to complete additional undergraduate units as a masters qualifying program.

Overview

This course provides you with specialist postgraduate education in transportation, public health, environmental, or municipal engineering and allows you to develop your research skills through an intensive study of a particular topic.

Course Structure

The course consists of units and a thesis project totalling 96 credit points. 24 credit points allocated to a project and the remainder to the non project units. The majority of the units are common with the Graduate Diploma in Civil Engineering (CE64). Students who do not wish to undertake the Environmental major must complete the generic core units plus any combination of elective units as listed below, to make up the minimum total of 96 credit points. Such programs should be devised in consultation with the course coordinator.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Course structure (full-time)

Environmental Engineering Major

Semester 1

CEP291	Environmental Law and Assessment
CEP997-1	Project B
	2 Electives

Semester 2

CEP141	Studies in Environmental Engineering
CEP997-2	Project B
	2 Electives

Core Units

Semester 1

CEP201	Process Modelling
CEP997-1	Project B
	2 Electives

Semester 2

CEP295	Civil Engineering Management in a Project Environment
CEP997-2	Project B
	2 Electives

Electives - Semester 1

CEP142	Water Pollution Control
CEP161	Professional Development Studies 1
CEP201	Process Modelling
CEP218	Transportation Engineering
CEP291	Environmental Law and Assessment
CEP293	Pavement Design
CEP294	Engineering Contract Development and Administration

Electives - Semester 2

CEP141	Studies in Environmental Engineering
CEP175	Pavement Maintenance Rehabilitation and Recycling
CEP216	Advanced Traffic Engineering
CEP262	Professional Development Studies 2
CEP295	Civil Engineering Management in a Project Environment
	PLEASE NOTE:
	Advice must be sought from the Course Coordinator before enrolling in either CEP161 or CEP262.
	The School reserves the right to offer the units according to enrolment quotas and staff availability.
	With permission of the Course Coordinator students may be permitted to take electives from other engineering areas.
	One postgraduate unit from inside/outside of

the School can be undertaken as an elective with prior approval of the Course Coordinator.

Potential Careers:

Civil Engineer, Environmental Engineer.

Master of Engineering Science (Civil Engineering Studies) (CE75)

Year offered: 2007
Admissions: Yes
CRICOS code: 042259C
Course duration (full-time): 1 year
Course duration (part-time): 2 years
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Course coordinator: Mr Yin Foong
Campus: Gardens Point

Entry Requirements

A Bachelor of Engineering degree with honours in Civil Engineering OR equivalent, with a grade point average of at least 5 on a 7-point scale.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Overview

This program had been designed to provide industry professionals with flexibility and breadth. The course includes a unit on Research Methodology.

Course Structure

The flexible Master of Engineering Science (Civil Engineering Studies) program allows students to choose three units from a common pool of units offered by all the Engineering Schools (Band 1). A band of Civil Engineering units is then offered from which students choose three units (Band 2). Any units from Band 1 could also be chosen for Band 2 provided that they come from the School of Civil Engineering. The final component requires enrolment in a Civil Engineering Project (equivalent to 24 credit points) (Band 3).

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Course structure

Full-time Course Structure

Band 1 Units

Choose 3 units from the following Band 1 units. Most of these units are offered once a year (either in Semester 1 or Semester 2). Students are advised to check carefully the unit availability prior to enrolling.

Band 1 - Semester 1

CEP142	Water Pollution Control
CEP201	Process Modelling
CEP291	Environmental Law and Assessment
CEP294	Engineering Contract Development and Administration
EEP101	Algorithms for Control and Engineering
EEP102	Unix and C for Engineers
EEP103	Computer Hardware and Interfacing

Band 1 - Semester 2

CEP141	Studies in Environmental Engineering
CEP295	Civil Engineering Management in a Project Environment
EEP129	Image Processing and Computer Vision

Band 1 - Block Mode#

MEN101	Research Methodology
MEN170	Systems Modelling and Simulation
MEN172	Cost Analysis and Asset Management
MEN280	Engineering Project Management
#	Block mode classes are held in teaching periods, which run consecutively for 5 weeks at a time, instead of semesters. Please check QUT Virtual or the School Administration Officer for details of teaching periods for the above block mode units.

Band 2 Units

Choose 3 units from the range of Band 2 units. The following Civil Engineering units are offered as electives within CE74 and may be cancelled due to insufficient enrolment numbers.

Band 2 - Semester 1

CEP142	Water Pollution Control
CEP218	Transportation Engineering
CEP291	Environmental Law and Assessment
CEP293	Pavement Design

Band 2 - Semester 2

CEP141	Studies in Environmental Engineering
CEP175	Pavement Maintenance Rehabilitation and Recycling
CEP216	Advanced Traffic Engineering
CEP295	Civil Engineering Management in a Project Environment

Band 3 Project

Students must complete their 24 cp project over one or two semesters (summer semester is an option)

by enrolling in the following two 12 cp units.

Students must discuss these options with the Course Coordinator before enrolling.

CEP997-1 Project B

CEP997-2 Project B

Please note: The School reserves the right to offer these units according to enrolment quotas and staff availability.

Potential Careers:

Civil Engineer, Environmental Engineer.

Bachelor of Applied Science (Construction Management) (CN51)

Year offered: 2007
Admissions: Yes
CRICOS code: 006363B
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 $15360
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February and July
International Entry: February and July
QTAC code: 412312; Dfee: 412316
Past rank cut-off: 75. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.
OP Guarantee: Yes
Total credit points: 384
Standard credit points per full-time semester: 48
Course coordinator: Dr John Hayes
Discipline coordinator: Mr Paul Den Ronden
Campus: Gardens Point

Additional Admission Information

The CN51 Bachelor of Applied Science (Construction Management) course has been replaced by UD40 Bachelor of Urban Development (Construction Management) from 2006 onwards. There will be no intake into the CN51 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are not required to lodge an academic credit form, as academic credit will be awarded by QUT before the census date of your first teaching period.

After being awarded this credit and if you wish to seek for additional academic credit, you are then required to lodge an Application for Academic Credit form for that additional credit by the due date and subject QUT rules .

Career Outcomes

Graduates employed in the construction process are involved in the coordinating of the construction and maintenance of large building projects, the development of government and corporate policies, the administration of regulations, and the development and research of building systems and products. They may be employed in private organisations such as large construction and development companies or consultancies while some are employed by government departments.

Overview

The course is concerned with the management of the overall process of construction projects and provides detailed understanding of project development from conception, through planning and construction to commissioning and maintenance. It develops skills in how to manage people, materials, equipment and plant while focusing on issues such as cost, time, quality, safety and environment. It educates students to become effective construction managers with comprehensive technological knowledge, management principles and communication skills.

Special Course Requirements

All students are required to obtain a minimum of 100 days of employment in the final year of the course as a part of CNB409 Professional Practice 1 and CNB423 Professional Practice 2.

Professional Recognition

Graduates with relevant experience are eligible for membership of the Australian Institute of Building.

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Deferment

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

Course structure - Full-time

Year 3 - Semester 1	
CNB302	Contract Administration
CNB303	Construction Business Accounting
CNB305	Construction Estimating
CNB335	Time Management

Year 3 - Semester 2	
CNB307	Building Economics and Cost Management
CNB308	Professional Studies 3
CNB309	Law 2
CNB336	Construction Business Management

Year 4 - Semester 1	
CNB409	Professional Practice 1
CNB433	Dissertation A
	Elective
	Elective

Year 4 - Semester 2	
CNB410	Property Development
CNB423	Professional Practice 2

Elective

Elective

Electives -Semester 1

CNB402 Investment Theory

CNB408 Advanced Building and Civil Construction

CNB481 Construction Dispute Management

CNB483 Smart and Sustainable Construction

Please Note: CNB402 is a recommended elective for semester 1 year 4

Electives -Semester 2

CNB420 Current Construction Issues

CNB425 International Construction

CNB434 Dissertation B

Course structure - Flexible Mode

Year 3 - Semester 1

CNB302 Contract Administration

CNB303 Construction Business Accounting

UDB212 Measurement 2

Year 3 - Semester 2

CNB308 Professional Studies 3

CNB336 Construction Business Management

UDB214 Professional Studies 2

Year 4 - Semester 1

CNB409 Professional Practice 1

UDB213 Construction Estimating

UDB313 Programming and Scheduling

Year 4 - Semester 2

CNB423 Professional Practice 2

UDB215 Building Services Engineering

UDB314 Statutory Construction Law

Year 5 - Semester 1

UDB301 Research Methods

Elective

Elective

Year 5 - Semester 2

UDB302 Development Processes

UDB316 Cost Planning and Control

UDB410 Construction Management

Year 6 - Semester 1

Elective

Elective

See list of electives in full-time structure.

Course structure- Full-time -Mid-Year Entry

Year 3 - Semester 1

CNB303 Construction Business Accounting

UDB212 Measurement 2

UDB213 Construction Estimating

Elective

Year 3 - Semester 2

CNB307 Building Economics and Cost Management

CNB308 Professional Studies 3

CNB309 Law 2

CNB336 Construction Business Management

Year 4 - Semester 1

CNB409 Professional Practice 1

UDB310 Highrise Construction and Engineering

UDB311 Structural Engineering Design

UDB313 Programming and Scheduling

Year 4 - Semester 2

CNB410 Property Development

CNB423 Professional Practice 2

UDB215 Building Services Engineering

Elective

Year 5 - Semester 1

UDB301 Research Methods

UDB312 Contract Administration

Elective

Elective

See Electives list in full-time course structure

Potential Careers:

Construction Manager, Estimator, Project Manager.

Bachelor of Applied Science (Quantity Surveying) (CN53)

Year offered: 2007
Admissions: No
CRICOS code: 003500M
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 $15360
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February and July
International Entry: February and July
QTAC code: 412332; Dfee: 412336
Past rank cut-off: 72. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.
OP Guarantee: Yes
Total credit points: 384
Standard credit points per full-time semester: 48
Course coordinator: Dr John Hayes
Discipline coordinator: Mr Jason Gray
Campus: Gardens Point

Additional Admission Information

The CN53 Bachelor of Applied Science (Quantity Surveying) course has been replaced by UD40 Bachelor of Urban Development (Quantity Surveying) from 2006 onwards. There will be no intake into the CN53 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are not required to lodge an academic credit form, as academic credit will be awarded by QUT before the census date of your first teaching period.

After being awarded this credit and if you wish to seek for additional academic credit, you are then required to lodge an Application for Academic Credit form for that additional credit by the due date and subject QUT rules .

Career Outcomes

Quantity Surveyors prepare cost estimates and check actual expenditure for large construction projects. They usually work in offices but can also visit building sites, clients and members of teams. Graduates are employed by private quantity surveying firms, government departments and building companies.

Overview

The course prepares students to work as quantity surveyors or building economists. The course covers building management, cost planing and control, building development techniques, building research, computer software application, measurement of construction, and legal issues.

Special Course Requirements

All students are required to obtain a minimum of 100 days of employment in the final year of the course as a part of the units Professional Practice 1 and Professional Practice 2. Only international students are eligible to complete a portion of their work experience offshore, and in this case students will receive no assistance in gaining work experience.

Professional Accreditation and Recognition

The course is offered with or without honours. Both the honours and non-honours versions of the course are fully accredited by the Australian Institute of Quantity Surveyors and the Board of Quantity Surveyors Malaysia (BQSM). Re-accreditation with the Royal Institution of Chartered Surveyors (honours version only) and Singapore Institute of Surveyors and Valuers is currently being sought.

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion, but this will affect professional accreditation and recognition in relation to RICS and SISV. The course coordinator will therefore need to be satisfied that the student fully understands the implications that the minor will have on professional accreditation and recognition before approval to the minor is granted. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Advanced Standing

Up to 4 semesters of advanced standing may be granted, subject to prior learning and qualifications.
Students seeking accreditation from the Hong Kong Institute of Surveyors are not able to accept any advanced standing, and must complete the entire course. In the special case of students who complete the QUT BAppSc Construction Management course and are therefore eligible to enter the final year of the BAppSc Quantity Surveying course, these students will find that their BAppSc Quantity Surveying course is only accredited by the Australian Institute of Quantity Surveyors.

Electives

Note A: Electives as listed or an approved elective from other QUT courses. Students seeking RICS and SISV accreditation should not enrol in Note A electives but follow the course structure as specified.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Deferment

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

Course structure - February Entry - Full-time

Year 3 - Semester 1	
CNB302	Contract Administration
CNB303	Construction Business Accounting
CNB305	Construction Estimating
CNB335	Time Management

Year 3 - Semester 2	
CNB307	Building Economics and Cost Management
CNB308	Professional Studies 3
CNB309	Law 2
CNB310	Measurement 3

Year 4 - Semester 1	
CNB402	Investment Theory
	OR Elective
CNB409	Professional Practice 1
CNB433	Dissertation A
CNB482	Measurement 4

Year 4 - Semester 2	
CNB410	Property Development
	OR Elective
CNB423	Professional Practice 2
CNB434	Dissertation B
	Elective

Electives - Semester 1	
CNB402	Investment Theory
CNB408	Advanced Building and Civil Construction
CNB481	Construction Dispute Management
CNB483	Smart and Sustainable Construction
	OR an approved elective from other QUT courses

Electives - Semester 2	
CNB410	Property Development
CNB420	Current Construction Issues
CNB424	Specialist Measurement
CNB425	International Construction
	OR an approved elective from other QUT courses
	Note: CNB424 and CNB408 are core units for Malaysian students seeking BQSM accreditation

Course structure- July Entry Full time

Year 3 - Semester 1	
CNB303	Construction Business Accounting
UDB101	Stewardship of Land
UDB212	Measurement 2
UDB213	Construction Estimating
	OR Elective

Year 3 - Semester 2	
CNB308	Professional Studies 3
CNB310	Measurement 3
UDB214	Professional Studies 2
	Elective

Year 4 - Semester 1	
CNB409	Professional Practice 1
CNB433	Dissertation A
CNB482	Measurement 4
UDB310	Highrise Construction and Engineering

Year 4 - Semester 2	
CNB423	Professional Practice 2
CNB434	Dissertation B
UDB215	Building Services Engineering
UDB316	Cost Planning and Control

Year 5 - Semester 1	
UDB312	Contract Administration
UDB313	Programming and Scheduling
	Elective
	Elective

Electives	
	For Electives list check February course structure

Course Structure - February Entry - Flexible-mode

Year 3 - Semester 1	
CNB302	Contract Administration
CNB303	Construction Business Accounting
UDB212	Measurement 2

Year 3 - Semester 2	
CNB308	Professional Studies 3
CNB336	Construction Business Management
UDB214	Professional Studies 2

Year 4 - Semester 1	
CNB482	Measurement 4
UDB213	Construction Estimating
UDB313	Programming and Scheduling

Year 4 - Semester 2	
UDB215	Building Services Engineering
UDB316	Cost Planning and Control
	Elective

Year 5 - Semester 1

BEB701	Work Integrated Learning 1
UDB301	Research Methods
UDB315	Measurement 3

Year 5 - Semester 2

BEB801	Project 1
UDB314	Statutory Construction Law
	Elective

Year 6 - Semester 1

	Elective
	Elective

Electives

See Electives list in full-time structure.

Potential Careers:

Estimator, Manager, Quantity Surveyor.

Bachelor of Property Economics (CN54)

Year offered: 2007
Admissions: Yes
CRICOS code: 040319A
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 $15360
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February and July
QTAC code: 412322; Dfee: 412326
Past rank cut-off: 77; Dfee: 412326. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information.
OP Guarantee: Yes
Total credit points: 384, or 288 for 3 years early exit option
Course coordinator: Dr John Hayes
Discipline coordinator: Mr Gary Garner
Campus: Gardens Point

Additional Admission Information

The CN54 Bachelor of Property Economics course has been replaced by UD40 Bachelor of Urban Development (Property Economics) from 2006 onwards. There will be no intake into the CN54 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are not required to lodge an academic credit form, as academic credit will be awarded by QUT before the census date of your first teaching period.

After being awarded this credit and if you wish to seek for additional academic credit, you are then required to lodge an Application for Academic Credit form for that additional credit by the due date and subject QUT rules .

Career Outcomes

Property economics is the profession associated with the management, administration and use of land and property such as office buildings, shopping centres, factories, hotels etc. Graduates work in private practice or as employees of property development, valuation, property management, investment or property finance companies. They may also work in government departments and local authorities concerned with rating, compulsory acquisitions or property development.

Overview

This course is concerned with all aspects of property - investment, asset management, development, valuation and research - with a focus on finance and on the commercial property market sector. The program incorporates a major in finance (through the Faculty of Business) and specialist 4th year programs, with strong industry links.

Special Course Requirements

All students must undertake 60 days' professional work experience during the course as part of CNB390 Professional Practice. All work experience must approved by the course coordinator to verify that it is appropriate. A work experience diary is to be maintained and available for inspection by the unit coordinator as a formal assessment component.

A student registered in the flexible or part-time study program must be employed full-time in an approved organisation for three of the final four years of the course. Part-time study generally involves around 8 formal contact hours per week and some release from employment is required.

Professional Recognition

Graduates with relevant professional experience are eligible for membership of the Australian Property Institute and registration by the Valuers' Registration Board of Queensland. The course is accredited by the Royal Institution of Chartered Surveyors. Accreditation by the Singapore Institute of Surveyors and Valuers will be sought in 2004.

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Special Note

Students may elect to complete their studies on the completion of 3 years (or flexible part-time equivalent). Students who select this option will graduate with a Bachelor of Applied Science (Property Economics) degree. This degree provides full domestic accreditation with the Australian Property Institute and Valuers' Registration Board of Queensland. Students graduating on the four year program have the potential to graduate with honours according to their overall grade point average.

Flexible Mode

Students may take up to 3 units per semester from the full-time timetable.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Deferment

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

Course structure

Year 3 - Semester 1	
CNB390	Professional Practice

CNB391	Statutory and Applied Valuation
EFB307	Finance 2
	OR Elective if Finance Major is not taken

Year 3 - Semester 2	
CNB296	Contemporary Issues
CNB392	Property Investment Analysis
CNB393	Property and Asset Management
CNB394	Property Development

Year 4	
CNB490-1	Research Dissertation
CNB490-2	Research Dissertation
EFB202	Business Cycles and Economic Growth
	Students must complete the 3 core units above plus
	ALL FIVE units from any one of the elective options below
	All electives must be approved by the course coordinator prior to year 4 enrolment.

Option 1- Valuation and Analysis	
EFB318	Portfolio and Security Analysis
CNB494	Advanced Market Research Analysis
CNB491	Rural Valuation
CNB492	Business and Specialist Valuation
CNB493	Advanced Property Valuation and Analysis

Option 2- Property and Asset Management	
CNB494	Advanced Market Research Analysis
EFB318	Portfolio and Security Analysis
CNB495	Strategic Property and Facilities Management
EFB326	Applied Portfolio Management
MGB207	Human Resource Issues and Strategy

Option 3 - Development Management	
CNB496	Project Management
CNB497	Project Cost and Risk Management
CNB498	Project Human Resource Management
CNB499	International Project Development Management
EFB312	International Finance

Option 4 - Faculty specified minor	
	4 Faculty minor electives
	Free choice elective

Potential Careers:

Project Developer, Project Manager, Property Development, Property Economist, Property Management, Real Estate.

Graduate Diploma in Project Management (CN64)

Year offered: 2007
Admissions: Yes
CRICOS code: 006362C
Course duration (full-time): 1 year
Course duration (part-time): 2 years
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): 2007: $10,500 per semester *(subject to annual review)*
Domestic Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Bambang Trigunarsyah
Campus: Gardens Point

Entry Requirements

A relevant bachelor degree from an approved tertiary institution; OR successful completion in CN81 Graduate Certificate in Project Management with a grade point average of 5.0 or better, OR qualifications deemed equivalent to the above by the Dean of Faculty on the recommendation of the course coordinator; AND at least three years of appropriate industry experience after graduation. Students who commence mid-year should enrol in semester 2 units.

Overview

This program is designed to help you advance your professional project management career. Career opportunities are excellent in both public and private sectors, and salaries approach the highest in any industry.

Course Structure

In the Graduate Diploma students complete coursework units from the Masters degree with a range of elective options available. Variations to the recommended study program require prior approval from the course coordinator. School electives are offered subject to an appropriate enrolment each semester.

Persons admitted to the Graduate Diploma who are graduates of the Graduate Certificate in Project Management (CN81) will need to submit an application for Academic Credit form for the units they have already completed.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Course structure - February entry

Full-time Course Structure - Year 1 - Semester 1	
CNP520	Project Management
CNP521	Project Cost and Risk Management
CNP532	Innovation and Technology Management
CNP551	Project Human Resource Management

Year 1 - Semester 2	
CNP534	International Project Management
CNP533	Project Management Law
	Two electives from Electives List

Part-time Course Structure - Year 1 - Semester 1	
CNP520	Project Management
CNP521	Project Cost and Risk Management

Year 1 - Semester 2	
CNP533	Project Management Law
CNP534	International Project Management

Year 2 - Semester 1	
CNP532	Innovation and Technology Management
CNP551	Project Human Resource Management

Year 2 - Semester 2	
	Two electives from Electives List

Course structure - Mid Year entry

Full-time Course Structure - Year 1 - Semester 2	
CNP520	Project Management
CNP533	Project Management Law
CNP534	International Project Management
	1 elective from Electives List

Year 2 - Semester 1	
CNP521	Project Cost and Risk Management
CNP532	Innovation and Technology Management
CNP551	Project Human Resource Management
	1 elective from Electives List

Part-time Course Structure - Year 1 - Semester 2	
CNP520	Project Management
CNP533	Project Management Law

Year 2 - Semester 1	
CNP521	Project Cost and Risk Management
CNP551	Project Human Resource Management

Year 2 - Semester 2	
CNP534	International Project Management

1 elective from Electives List

Year 3 - Semester 1

CNP532	Innovation and Technology Management
	1 elective from Electives List

Electives List

BSN502	Research Methodology
CNP545	Project Development
CNP553	Information Technology for Project Managers
CNP556	Property Management and Contracts
	Or other elective with the approval of the Course Coordinator.

Potential Careers:

Construction Manager, Government Officer, Manager, Project Developer, Project Manager, Property Economist.

Master of Project Management (CN77)

Year offered: 2007
Admissions: Yes
CRICOS code: 016350B
Course duration (full-time): 1.5 years
Course duration (part-time): 3 years
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 144
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Bambang Trigunarsyah
Campus: Gardens Point

Entry Requirements

A relevant bachelor degree from an approved tertiary institution and demonstrated potential in professional activity to undertake masters degree course, OR successful completion of CN64 Graduate Diploma in Project Management with a grade point average of 5.0 or better, OR qualifications deemed equivalent to the above by the Dean of the Faculty on the recommendation of the course coordinator, AND at least three years appropriate industry experience after graduation.

Overview

This program is designed to help you advance your professional project management career. The Project Management course provides generic project related skills essential for senior managers in a wide range of industries. Career opportunities are excellent in both public and private sectors, and salaries approach the highest in any industry.

Course Structure Information

The first two semesters full-time or four semesters part-time are identical to the Graduate Diploma in Project Management (CN64). Persons admitted to the Masters program who are graduates of the Graduate Diploma in Project Management (CN64) will need to submit an Application for Academic Credit form for the units they have already completed. At the completion of the coursework component of the Masters Degree program but before the completion of the Dissertation, students may elect to exit with the Graduate Diploma in Project Management.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Course structure - February Entry

Full-time Course Structure - Year 1 - Semester 1	
CNP520	Project Management
CNP521	Project Cost and Risk Management
CNP532	Innovation and Technology Management
CNP551	Project Human Resource Management

Year 1 - Semester 2	
CNP534	International Project Management
CNP533	Project Management Law
	Two Electives

Year 2 - Semester 1	
CNN442-1	Dissertation
CNN442-2	Dissertation
	Includes Research Methodology lectures and incorporates Advanced Information Retrieval Skills

Part-time Course Structure - Year 1 - Semester 1	
CNP520	Project Management
CNP521	Project Cost and Risk Management

Year 1 - Semester 2	
CNP533	Project Management Law
CNP534	International Project Management

Year 2 - Semester 1	
CNP532	Innovation and Technology Management
CNP551	Project Human Resource Management

Year 2 - Semester 2	
	Two Electives

Year 3 - Semester 1	
CNN442-1	Dissertation

Year 3 - Semester 2	
CNN442-2	Dissertation

Course structure - Mid Year Entry

Full-time Course Structure - Year 1 - Semester 2	
CNP520	Project Management
CNP533	Project Management Law
CNP534	International Project Management
	1 Elective

Year 2 - Semester 1	
CNP521	Project Cost and Risk Management
CNP532	Innovation and Technology Management
CNP551	Project Human Resource Management
	1 Elective

Year 2 - Semester 2	
CNN442-1	Dissertation
CNN442-2	Dissertation
	Includes Research Methodology lectures and incorporates Advanced Information Retrieval Skills

Part-time Course Structure - Year 1 - Semester 2	
CNP520	Project Management
CNP533	Project Management Law

Year 2 - Semester 1	
CNP521	Project Cost and Risk Management
CNP551	Project Human Resource Management

Year 2 - Semester 2	
CNP534	International Project Management
	1 Elective

Year 3 - Semester 1	
CNP532	Innovation and Technology Management
	1 Elective

Year 3 - Semester 2	
CNN442-1	Dissertation
	Includes Research Methodology lectures and incorporates Advanced Information Retrieval Skills

Year 4 - Semester 1	
CNN442-2	Dissertation

Course Structure - Electives

Electives List (subject to availability)	
BSN502	Research Methodology
CNP545	Project Development
CNP553	Information Technology for Project Managers
CNP556	Property Management and Contracts
	Or any other postgraduate unit with the approval of the Course Coordinator.
NOTE:	null
	CNP553 is only offered in odd years.
	CNP545 may be offered in block format.

Potential Careers:

Construction Manager, Government Officer, Manager, Project Developer, Project Manager, Property Economist.

Graduate Certificate in Project Management (CN81)

Year offered: 2007
Admissions: Yes
CRICOS code: 012705A
Course duration (full-time): 1 semester
Course duration (part-time): 1 year
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 48
Standard credit points per part-time semester: 24
Course coordinator: Associate Professor Bambang Trigunarsyah
Campus: Gardens Point

Entry Requirements

A relevant bachelor degree from an approved tertiary institution; OR
Qualifications and/or extensive, relevant professional experience deemed equivalent to the above by the Dean of Faculty on the recommendation of the course coordinator; AND
at least three years of appropriate industry experience after graduation.

Overview

This program is designed to help you advance your professional project management career. The Project Management course provides generic project related skills essential for senior managers in a wide range of industries. Career opportunities are excellent in both public and private sectors, and salaries approach the highest in any industry.

Course Structure

The first semester full-time or two semesters part-time are identical to the Graduate Diploma in Project Management (CN64). Students who complete the Graduate Certifcate in Project Management (CN81) and are successful in gaining entry into the Graduate Diploma in Project Management (CN64) or Master of Project Management (CN77) will be eligible to receive credit for all units studied in the Graduate Certificate.
The full-time Graduate Certificate can only be completed in Semester 1 of any year.
Students who commence mid-year should enrol in Semester 2 units.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Course structure - February entry

Full-time Course Structure - Year 1, Semester 1	
CNP520	Project Management
CNP521	Project Cost and Risk Management
CNP532	Innovation and Technology Management
CNP551	Project Human Resource Management

Part-time Course Structure - Year 1, Semester 1	
CNP520	Project Management
CNP521	Project Cost and Risk Management

Year 1, Semester 2	
CNP533	Project Management Law
CNP534	International Project Management

Course structure - Mid Year entry (only available to part-time students)

Part-time Course Structure - Year 1, Semester 2	
CNP520	Project Management
CNP533	Project Management Law

Year 2, Semester 1	
CNP521	Project Cost and Risk Management
CNP551	Project Human Resource Management

Potential Careers:

Project Developer, Project Manager, Property Economist.

Doctor of Project Management (CN89)

Year offered: 2007
Admissions: Yes
CRICOS code: External course
Course duration (full-time): 3 years
Course duration (part-time): 6 years
Domestic fees (per credit point): 2007: $170 per credit point *(subject to annual review)*
Domestic fees (indicative): 2007: Full fee tuition $16320
International Fees (per semester): 2007: $2040 per unit *(subject to annual review)*
Domestic Entry: February; July
International Entry: February; July External course
Total credit points: 288
Course coordinator: Associate Professor Bambang Trigunarsyah

Entry Requirements

A Masters degree from a recognised university in an appropriate discipline area such as an MBA, project management, logistics. IT, or engineering where the fundamental elements of business and project management have been studied; or A first/upper second class honours degree (in which an additional year of research study has been undertaken above the undergraduate degree; and approximately 5 years of work experience within a project managment environment. Continuing employment in a Project Management environment for the duration of the course and a full committment to the course by the candidate and their employing organisation is also necessary.

Overview

The Doctor of Project Management is a three year professional doctorate degree, designed for candidates to consolidate and better understand their existing skills and knowledge on how to manage projects, while drawing from their professional experiences and real life scenarios for research initiatives.

This program is jointly delivered by QUT and RMIT. Candidates in the program will have access to the expertise and resources in both institutions.

The award will be a dual-logo joint parchment issued by QUT and RMIT.

Course Structure

The program enables project managers to reflect upon their widespread experience, learn new skills and gain insights into core strategic areas of required expertise such as knowledge management, project management leadership, project management procurement and ethics. Each of the four core areas is accompanied by a reflective learning course. These core areas are then further investigated through research study.

Four core units are undertaken during the first two years entail extensive small group work.

Career Outcomes

Completion of this course will provide you with the necessary expertise to assume strategic leadership roles in leading projects.

International Enrolments

The course is delivered in external mode through the internet. During the candidature, students will have the opportunity to have face to face sessions with lecturing staff, their supervisors or the course coordinator, however on-shore attendance at QUT in Brisbane, Australia is not compulsory.

Further Information

The Faculty of Built Environment and Engineering: Phone +61 7 3138 1424, Fax +61 7 3138 8381,
e-mail: bee.research@qut.edu.au
WEB address: http://www.bee.qut.edu.au/research

Course structure - Full-time

Full-time Course Structure - Year 1 - Semester 2	
CNP001	Knowledge and IT Management
CNP011	Knowledge and IT Management Reflective Learning
Year 1 - Semester 2	
CNP002	Project Procurement and Ethics
CNP012	Project Procurement and Ethics Reflective Learning
CNP051	Research Project 1
Year 1 - Summer Semester	
CNP052	Research Project 2
Year 2 - Semester 1	
CNP003	Project Management Leadership
CNP013	Project Management Leadership Reflective Learning
Year 2 - Semester 2	
CNP014	Elective Reflective Learning
CNP053	Research Project 3
	Master's Elective *
	*Note: Any relevant 12 credit point Master's unit as approved by the course coordinator.
Year 2 - Summer Semester	
CNP054	Research Project 4
Year 3 - Semester 1	
CNP061-1	Research Project 5
CNP061-2	Research Project 5
Year 3 - Semester 2	
CNP062-1	Research Project 6
CNP062-2	Research Project 6

Course structure - Part-time

Part-Time Course Structure

Domestic students have the option of pursuing the course in part-time mode with enrolment and progression patterns recommended by the course coordinator.

Potential Careers:

Construction Manager, Project Developer, Project Manager, Property Development, Property Management.

Graduate Certificate in Property Economics (CN90)

Year offered: 2007
Admissions: Yes
CRICOS code: 036428G
Course duration (full-time): 1 semester
Course duration (part-time): 1 year
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February and July (July entry for part-time only). NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 48
Standard credit points per part-time semester: 24
Course coordinator: Mr Gary Garner
Campus: Gardens Point

Entry Requirements

A relevant bachelor degree from an approved tertiary institution; OR
Qualifications and/or relevant training considered to be deemed equivalent to the above by the Dean of Faculty on the recommendation of the course coordinator; AND
at least three years of appropriate industry experience.

Related Courses

Graduate Diploma in Property Economics(CN91), Master of Property Economics(CN92)

Overview

The aim of the course is to produce graduates capable of making sound and reasonable judgements in property performance evaluation. The course will provide students with a comprehensive understanding of property as an economic and financial asset; knowledge and skills to evaluate and manage property, a sense of ethical and professional responsibility and the application of these attributes in the property field.

Course Structure

In the Graduate Certificate and Graduate Diploma courses, students complete coursework units from the Masters degree with a range of elective options available.
The full-time Graduate Certificate can only be completed in Semester 1 of any year.
Students who commence mid-year should enrol in Semester 2 units.

Majors

While the course provides an overview of property as an asset there are majors in PROPERTY INVESTMENT AND MANAGEMENT and PROPERTY DEVELOPMENT. There are several common units across the majors however applicants are required to select one major.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Course structure - February Entry

Full-time Course Structure - Property Development major - Semester 1	
CNP547	Property Investment
CNP555	Property Market Analysis
CNP520	Project Management
CNP521	Project Cost and Risk Management

Full-time Course Structure - Property Investment and Management major - Semester 1	
CNP547	Property Investment
CNP555	Property Market Analysis
CNP556	Property Management and Contracts
EFN406	Managerial Finance

Part-time Course Structure - Property Development major - Year 1 - Semester 1	
CNP547	Property Investment
CNP555	Property Market Analysis

Year 1 - Semester 2	
CNP545	Project Development
CNP554	Advanced Land Development

Part-time Course Structure - Property Investment and Management major - Year 1 - Semester 1	
CNP547	Property Investment
CNP555	Property Market Analysis

Year 1 - Semester 2	
CNP554	Advanced Land Development
CNP557	Property Finance and Capital Markets

Course structure - Mid Year Entry (only available to part-time students)

Part-time Course Structure - Property Development major - Year 1 - Semester 2	
CNP545	Project Development
CNP554	Advanced Land Development

Year 2 - Semester 1	
CNP547	Property Investment
CNP555	Property Market Analysis

Part-time Course Structure - Property Investment and Management major - Year 1 - Semester 2

CNP554 Advanced Land Development

CNP557 Property Finance and Capital Markets

Year 2 - Semester 1

CNP547 Property Investment

CNP555 Property Market Analysis

Potential Careers:

Construction Manager, Project Developer, Property Development, Property Economist, Property Management.

Graduate Diploma in Property Economics (CN91)

Year offered: 2007
Admissions: Yes
CRICOS code: 036429G
Course duration (full-time): 1 year
Course duration (part-time): 2 years
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Mr Gary Garner
Campus: Gardens Point

Entry Requirements

A relevant bachelor degree from an approved tertiary institution; OR successful completion of CN90 Graduate Certificate in Property Economics with a grade point average of 5.0 or better; and at least three years of appropriate industry experience after graduation.

Related Courses

Graduate Certificate in Property Economics (CN90) Master of Property Economics (CN92)

Overview

The aim of the course is to produce graduates capable of making sound and reasonable judgements in property performance evaluation. The course will provide students with a comprehensive understanding of property as an economic and financial asset; knowledge and skills to evaluate and manage property, a sense of ethical and professional responsibility and the application of these attributes in the property field.

Course Structure

In the Graduate Certificate and Graduate Diploma courses, students complete coursework units from the Masters degree with a range of elective options available.
Students who commence mid-year should enrol in Semester 2 units.

Majors

While the course provides an overview of property as an asset, there are majors in PROPERTY INVESTMENT AND MANAGEMENT and PROPERTY DEVELOPMENT. There are several common units across the majors however applicants are required to select one major.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Course structure

Full-time Course Structure- Property Development major - Year 1 - Semester 1	
CNP520	Project Management
CNP521	Project Cost and Risk Management
CNP547	Property Investment
CNP555	Property Market Analysis
Year 1 - Semester 2	
CNP545	Project Development
CNP554	Advanced Land Development
	Two Electives

Full-time Course Structure - Property Investment and Management major - Year 1 - Semester 1	
CNP547	Property Investment
CNP555	Property Market Analysis
CNP556	Property Management and Contracts
EFN406	Managerial Finance
Year 1 - Semester 2	
CNP554	Advanced Land Development
CNP557	Property Finance and Capital Markets
	Two Electives

Part-time Course Structure - Property Development major - Year 1 - Semester 1	
CNP547	Property Investment
CNP555	Property Market Analysis
Year 1 - Semester 2	
CNP545	Project Development
CNP554	Advanced Land Development
Year 2 - Semester 1	
CNP520	Project Management
CNP521	Project Cost and Risk Management
Year 2 - Semester 2	
	Two Electives

Part-time Course Structure - Property Investment and Management major - Year 1 - Semester 1	
CNP547	Property Investment
CNP555	Property Market Analysis
Year 1 - Semester 2	
CNP554	Advanced Land Development

CNP557	Property Finance and Capital Markets

Year 2 - Semester 1

CNP556	Property Management and Contracts
EFN406	Managerial Finance

Year 2 - Semester 2

	Two Electives

Electives

Electives List (subject to availability)

	Specialist units from the other major
BSN502	Research Methodology
CNP533	Project Management Law
CNP551	Project Human Resource Management
CNP553	Information Technology for Project Managers
EFN415	Security Analysis
	Or others with the approval of the Course Coordinator.
	(CNP553 is only offered in odd years)

Potential Careers:

Project Developer, Property Development, Property Economist, Property Management.

Master of Property Economics (CN92)

Year offered: 2007
Admissions: Yes
CRICOS code: 036432A
Course duration (full-time): 1.5 years
Course duration (part-time): 3 years
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 144
Standard credit points per full-time semester: 48
Course coordinator: Mr Gary Garner
Campus: Gardens Point

Entry Requirements

A relevant three-year bachelor degree; OR
Successful completion of CN91 Graduate Diploma in Property Economics with a grade point average of 5.0 or above; and at least three years appropriate industry experience after graduation.

Overview

The aim of the course is to produce graduates capable of making sound and reasonable judgements in property performance evaluation. The course will provide students with a comprehensive understanding of property as an economic and financial asset; knowledge and skills to evaluate and manage property, a sense of ethical and professional responsibility and the application of these attributes in the property field.

Additional Information

The first two semesters full-time or four semesters part-time are identical to the Graduate Diploma in Property Economics (CN91). Persons admitted to the Masters program who are graduates of the Graduate Diploma in Property Economics (CN91) will need to submit an Application for Academic Credit form for the units they have already completed.

At the completion of the coursework component of the Masters Degree program but before the completion of the Dissertation, students may elect to exit with the Graduate Diploma in Property Economics.

Majors

While the course provides an overview of property as an asset, there are majors in Property Investment and Management and Property Development. There are several common units across the majors however applicants are required to select one major.

Course Structure

Variations to the recommended study program require prior approval from the course coordinator.

Students who commence mid-year should enrol in Semester 2 units.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Course structure

Full-time Course Structure - Property Development Major - Year 1 - Semester 1	
CNP520	Project Management
CNP521	Project Cost and Risk Management
CNP547	Property Investment
CNP555	Property Market Analysis
Year 1 - Semester 2	
CNP545	Project Development
CNP554	Advanced Land Development
	Two Electives
Year 2 - Semester 1	
CNN442-1	Dissertation
CNN442-2	Dissertation
	(includes Research Methodology and Information Retrieval Skills lectures)

Full-time Course Structure - Property Investment and Management Major - Year 1 - Semester 1	
CNP547	Property Investment
CNP555	Property Market Analysis
CNP556	Property Management and Contracts
EFN406	Managerial Finance
Year 1 - Semester 2	
CNP554	Advanced Land Development
CNP557	Property Finance and Capital Markets
	Two Electives
Year 2 - Semester 1	
CNN442-1	Dissertation
CNN442-2	Dissertation
	(includes Research Methodology and Information Retrieval Skills lectures)

Part-time Course Structure - Property Development Major - Year 1 - Semester 1	
CNP547	Property Investment
CNP555	Property Market Analysis

Year 1 - Semester 2	
CNP545	Project Development
CNP554	Advanced Land Development

Year 2 - Semester 1	
CNP520	Project Management
CNP521	Project Cost and Risk Management

Year 2 - Semester 2	
	Two Electives

Year 3 - Semester 1	
CNN442-1	Dissertation
	(includes Research Methodology and Information Retrieval Skills lectures)

Year 3 - Semester 2	
CNN442-2	Dissertation

Part-time Course Structure - Property Investment and Management Major - Year 1 - Semester 1	
CNP547	Property Investment
CNP555	Property Market Analysis

Year 1 - Semester 2	
CNP554	Advanced Land Development
CNP557	Property Finance and Capital Markets

Year 2 - Semester 1	
CNP556	Property Management and Contracts
EFN406	Managerial Finance

Year 2 - Semester 2	
	Two Electives

Year 3 - Semester 1	
CNN442-1	Dissertation
	(includes Research Methodology and Information Retrieval Skills lectures)

Year 3 - Semester 2	
CNN442-2	Dissertation

Course Structure - Electives

Electives List (subject to availability)	
BSN502	Research Methodology
CNP533	Project Management Law
CNP551	Project Human Resource Management
CNP553	Information Technology for Project Managers
EFN415	Security Analysis
	Or others with the approval of the Course Coordinator.
	(CNP553 is only offered in odd years.)

Potential Careers:

Project Developer, Property Development, Property Economist, Property Management.

Graduate Diploma in Urban Design (DB69)

Year offered: 2007
Admissions: Yes
CRICOS code: 014018G
Course duration (full-time): 1 year
Course duration (part-time): 1.5 years
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Dr Jeannie Sim
Campus: Gardens Point

Overview

Urban Design is primarily concerned with improving through design, the relationship between the many elements that make up urban areas. The course enhances your professional skills through developing an understanding of the social, economic, physical, historical, political, and legal processes which influence the form and structure of urban areas. Particular emphasis is placed on communication skills.

Entry Requirements

A Bachelor of Built Environment in a related discipline with a grade point average of 5 or better and demonstrated potential in a relevant professional activity or a degree or postgraduate qualification, relevant to Urban Design, with the grade point average of 5 or better and demonstrated potential in a relevant professional activity.

Applicants may be granted provisional entry to this course with a modified enrolment program on the basis of alternative academic or professional attainments.

You may be required to undertake a qualifying program to develop design literacy and graphic skills. A three-module full fee paying Summer unit is available for this purpose. Computer literacy is also required.

Course Requirements

Students must complete a minimum of 48 credit points per semester in the full-time course and a minimum of 24 credit points per semester in the part-time course. Students with a grade point average of 5 or better may articulate into the Masters program after one semester full-time or two semesters part-time study.

Further Information

Phone +61 7 3864 4074, Fax +61 7 3864 5280, e-mail: bee.enquiries@qut.com

Course structure - February Entry

Full-time Structure - Year 1, Semester 1	
DBP403	Design Communication
	(DBP403 is a condition of entry for students without a design background and is to be undertaken in workshop mode early in February.)
ARB081	History, Theory and Criticism of Urban Design
ARB082	Urban Design Studio B
PSP453	Urban Systems and the Physical Environment

Year 1, Semester 2	
PSN214	Elective
	OR
PSN211	Research Project 1
PSP451	Production and Use of the Built Environment
PSP452	Urban Design Studio A

Part-time Structure - Year 1, Semester 1	
DBP403	Design Communication
	(DBP403 is a condition of entry for students without a design background and is to be undertaken in workshop mode early in February.)
ARB081	History, Theory and Criticism of Urban Design
PSP453	Urban Systems and the Physical Environment

Year 1, Semester 2	
PSP451	Production and Use of the Built Environment
PSP452	Urban Design Studio A

Year 2, Semester 1	
ARB082	Urban Design Studio B
PSN214	Elective
	OR
PSN211	Research Project 1

Course structure - Mid Year Entry

Full-time Structure - Year 1, Semester 2	
PSN214	Elective
	OR
PSN211	Research Project 1
PSP451	Production and Use of the Built Environment
PSP452	Urban Design Studio A

Year 2, Semester 1	
DBP403	Design Communication
	(DBP403 is a condition of entry for students without a design background and is to be undertaken in workshop mode early in February.)
ARB081	History, Theory and Criticism of Urban Design

ARB082	Urban Design Studio B
PSP453	Urban Systems and the Physical Environment

Part-time Structure - Year 1, Semester 2

PSP451	Production and Use of the Built Environment
PSP452	Urban Design Studio A

Year 2, Semester 1

DBP403	Design Communication
	(DBP403 is a condition of entry for students without a design background and is to be undertaken in workshop mode early in February.)
ARB081	History, Theory and Criticism of Urban Design
PSP453	Urban Systems and the Physical Environment

Year 2, Semester 2

PSN214	Elective
	OR
PSN211	Research Project 1

Year 3, Semester 1

ARB082	Urban Design Studio B

Potential Careers:

Urban and Regional Planner, Urban Designer.

Master of Built Environment (Urban Design) (DB73)

Year offered: 2007
Admissions: Yes
CRICOS code: 003475G
Course duration (full-time): 3 semesters including Summer semester
Course duration (part-time): 5 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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 144
Standard credit points per full-time semester: 48
Standard credit points per part-time semester: 24
Course coordinator: Dr Jeannie Sim
Campus: Gardens Point

Overview

Urban design is primarily concerned with improving through design, the relationship between the many elements that make up urban areas: buildings, places, spaces and movement and service systems. The course aims to enhance your professional skills through developing an understanding of the social, economic, physical, historical, political, and legal processes which influence the form and structure of urban areas. Particular emphasis is placed on communication skills.

Entry Requirements

Applicants are considered initially for acceptance in the Graduate Diploma in Urban Design. At the completion of 48 credit points students will be considered for articulation to the Master of Built Environment (Urban Design) subject to a grade point average of 5.0 or better in the course.

Applicants may be granted provisional entry to the Graduate Diploma courses with a modified enrolment program on the basis of alternative academic or professional attainments. Some applicants may be required to undertake a qualifying program to develop design literacy and graphic skills. A three-module full-fee paying Summer unit is normally available for this purpose. Computer Literacy is also required.

Focus in the Masters Program

The masters program includes skills and knowledge development through set coursework in common with the Graduate Diploma in Urban Design, but also requires individual research and the writing of a dissertation. An Urban Design Master Studio is conducted over the Summer semester.

Master of Built Environment (Urban Design)

The normal progression will extend the graduate diploma program by a flexibly delivered summer semester (see Course Structure) for part-time and full-time students. Articulation from the graduate diploma to the masters level program will be available after one semester full-time or two semesters part-time provided that applicants have completed the preceding course work with a grade point average of 5.0 or better.

International Student Entry

QUT advises that international students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 4074, Fax +61 7 3864 5280 email: bee.enquiries@qut.com

Course structure - February Entry

Year 1 - Semester 1 Full-Time Structure	
DBP403	Design Communication (DBP403 is a condition of entry for students without a design background and is to be undertaken in workshop mode early in February.)
ARB081	History, Theory and Criticism of Urban Design
ARB082	Urban Design Studio B
PSP453	Urban Systems and the Physical Environment

Year 1 - Semester 2	
PSN211	Research Project 1
PSP451	Production and Use of the Built Environment
PSP452	Urban Design Studio A

Summer Program	
ARB083	Urban Design Masters Studio
PSN212	Research Project 2
PSP510	Specialisation

Year 1 - Semester 1 Part-Time Structure	
DBP403	Design Communication (DBP403 is a condition of entry for students without a design background and is to be undertaken in workshop mode early in February.)
ARB081	History, Theory and Criticism of Urban Design
PSP453	Urban Systems and the Physical Environment

Year 1 - Semester 2	
PSP451	Production and Use of the Built Environment
PSP452	Urban Design Studio A

Year 2 - Semester 1	
ARB082	Urban Design Studio B
PSN211	Research Project 1

Year 2 - Semester 2	
PSN212	Research Project 2

PSP510	Specialisation

Summer Program

ARB083	Urban Design Masters Studio

Course structure - Mid Year Entry

Year 1 - Semester 2 Full-Time Structure

PSN211	Research Project 1
PSP451	Production and Use of the Built Environment
PSP452	Urban Design Studio A

Year 1 - Summer Program

ARB083	Urban Design Masters Studio
PSN212	Research Project 2
PSP510	Specialisation

Year 2 - Semester 1

DBP403	Design Communication
	(DBP403 is a condition of entry for students without a design background and is to be undertaken in workshop mode early in February.)
ARB081	History, Theory and Criticism of Urban Design
ARB082	Urban Design Studio B
PSP453	Urban Systems and the Physical Environment

Year 1 - Semester 2 Part-Time Structure

PSP451	Production and Use of the Built Environment
PSP452	Urban Design Studio A

Year 2 - Semester 1

DBP403	Design Communication
	(DBP403 is a condition of entry for students without a design background and is to be undertaken in workshop mode early in February.)
ARB081	History, Theory and Criticism of Urban Design
ARB082	Urban Design Studio B

Year 2 - Semester 2

PSN211	Research Project 1
PSP510	Specialisation

Year 2 - Summer Program

ARB083	Urban Design Masters Studio

Year 3 - Semester 1

PSN212	Research Project 2
PSP453	Urban Systems and the Physical Environment

Potential Careers:

Urban and Regional Planner.

Bachelor of Design (Architectural Studies) (DE40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056386C
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 $6,861
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412372; Dfee: 412376
Past rank cut-off: 88; Dfee: 83
Past OP cut-off: 7; Dfee: 9
OP Guarantee: Yes
Assumed knowledge: English (4, SA)
Preparatory studies: 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: Ms Sheona Thomson
Discipline coordinator: Mr Paul Sanders
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Additional Admission Information

Applicants who are offered a place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to AR48 Bachelor of Architecture.

Career Outcomes

The Bachelor of Design (Architectural Studies) is a four-year full-time pre-professional degree in architecture. Graduates of this course may articulate into the Master of Architecture.

Architects design buildings, provide concepts, specifications, detailed drawings and plans. They oversee construction, negotiate with planning authorities and inspect the work in progress. They are required to have design skills and technical knowledge of materials and processes used in construction. Architects can be employed in general practice or choose to specialise. Some of the specialisations available are commercial, industrial and institutional developments, historic building conservation and housing renovation. They can also be involved in project feasibility studies and strategic asset investigations. Architecture embraces art, technology and service. Architects play a leading role in interdisciplinary teams to solve problems of the built environment. A Bachelor of Architecture gives graduates exciting career choices and the opportunity to travel and work in Australia or overseas.

Overview

Design is the focus of this course; these studies are supported by studies in architectural technology, history and culture of architecture, ethical and legislative frameworks, and the study of architecture in practice.

Professional Recognition

Graduates of the Bachelor of Design(Architectural Studies) with a grade point average of 4 or better will be eligible for entry into the Master of Architecture.

Accreditation for the Bachelor of Design(Architectural Studies) and the Master of Architecture is being sought from the Architecture Accreditation Council of Australia.

Further Information

The School of Design - Phone +61 7 3864 2626, Fax +61 7 3864 5280, email: bee.enquiries@qut.com

Minors

You will be able to select from two 4 unit approved minors or one 8 unit approved major to enhance and broaden your knowledge in a related field or an area of interest.

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

Year 1 - Semester 1	
BEB100	Introducing Professional Learning
DAB110	Introductory Architectural Design 1
DEB101	Introducing Design
DEB102	Introducing Design History

Year 1 - Semester 2	
BEB200	Introducing Sustainability
DAB210	Introductory Architectural Design 2
DAB220	Theories and Contexts of Place in Architecture
DEB201	Digital Communication

Year 2 - Semester 1	
DAB310	Architectural Design 3
DAB325	Architecture in the 20th Century
DAB330	Integrated Technologies 1
	Minor or Major Unit

Year 2 - Semester 2	
DAB410	Architectural Design 4
DAB420	Architecture, Culture and Space
DAB435	Architectural Technology 1
	Minor or Major Unit

Year 3 - Semester 1	
DAB510	Architectural Design 5
DAB525	Architecture and the City
DAB530	Integrated Technologies 2
	Minor or Major Unit

Year 3 - Semester 2	
DAB610	Architectural Design 6
DAB635	Architectural Technology 2
DEB601	Collaborative Design
	Minor or Major Unit

Year 4 - Semester 1	
DAB710	Architectural Design 7
DEB701	Design and Research
	Minor or Major Unit
	Minor or Major Unit

Year 4 - Semester 2	
DAB810	Architectural Design 8
DEB801	Professional Practice
	Minor or Major Unit
	Minor or Major Unit

Potential Careers:
Architect .

Bachelor of Design (Industrial Design) (DE40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056386C
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 $6,861
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412382; Dfee: 412386
Past rank cut-off: 75; Dfee: 70
Past OP cut-off: 12; Dfee: 14
OP Guarantee: Yes
Assumed knowledge: English (4, SA)
Preparatory studies: 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: Ms Sheona Thomson
Discipline coordinator: Mr Andrew Scott
Campus: Gardens Point

IMPORTANT - SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Additional Admission Information

Applicants who are offered a place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to BN31 Bachelor of Built Environment (Industrial Design).

Career Outcomes

Industrial designers create and produce commercial and industrial products to improve people's lives. They make models and prototypes of designs that cover a wide range of manufactured goods from toasters to computer terminals to rapid transport systems. When designing new or improving existing products they must consider factors influencing product design such as useability, costs, materials, technology or environment. They research product usage, make detailed drawings and supervise the construction of prototypes for testing. They mainly work in small business or consulting practices. QUT Industrial Design graduates are working worldwide in places such as the UK, Singapore and France.

Overview

Students in this course develop their capacity to contribute to the design of products and systems for the mutual benefit of users and manufacturers of a wide range of products.

Professional Recognition

Recognition of the Bachelor of Design (Industrial Design) is being sought from the Design Institute of Australia. QUT is an Educational Member of the International Council of Societies of Industrial Design (ISCID).

Minors

You will be able to select from two 4 unit approved minors or one 8 unit approved major to enhance and broaden your knowledge in a related field or an area of interest.

Further Information

The School of Design - Phone +61 7 3864 2626, Fax +61 7 3864 5280, email: bee.enquiries@qut.com

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

Year 1 - Semester 1	
BEB100	Introducing Professional Learning
DEB101	Introducing Design
DEB102	Introducing Design History
DNB101	Industrial Design 1

Year 1 - Semester 2	
BEB200	Introducing Sustainability
DEB201	Digital Communication
DNB201	Industrial Design 2
DNB202	Product Usability

Year 2 - Semester 1	
DNB301	Industrial Design 3
DNB302	Computer Aided Industrial Design
DNB303	Manufacturing Technology
	Minor or Major Unit

Year 2 - Semester 2	
DNB401	Industrial Design 4
DNB402	Socio-cultural Studies
	Minor or Major Unit
	Minor or Major Unit

Year 3 - Semester 1

DNB501	Industrial Design 5
DNB502	Industrial Design History, Theory and Criticism
	Minor or Major Unit
	Minor or Major Unit

Year 3 - Semester 2

DEB601	Collaborative Design
DNB601	Industrial Design 6
DNB602	New Product Development
	Minor or Major Unit

Year 4 - Semester 1

DEB701	Design and Research
DNB701	Industrial Design 7
DNB702	Human-centred Design Innovation
	Minor or Major Unit

Year 4 - Semester 2

DEB801	Professional Practice
DNB801	Research and Innovation 1
DNB802	Research and Innovation 2
	Minor or Major Unit

Potential Careers:

Industrial Designer.

Bachelor of Design (Interior Design) (DE40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056386C
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 $6,861
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412362; Dfee: 412366
Past rank cut-off: 85; Dfee: 80
Past OP cut-off: 8; Dfee: 10
OP Guarantee: Yes
Assumed knowledge: English (4, SA)
Preparatory studies: 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: Ms Sheona Thomson
Discipline coordinator: Dr Dianne Smith
Campus: Gardens Point

IMPORTANT - SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Additional Admission Information

Applicants who are offered place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to BN31 Bachelor of Built Environment (Interior Design).

Careers Outcomes

Interior designers plan and execute the layout, finishes, lighting, fittings and furnishings in domestic interior design, retail and entertainment industry design, hospitality industry design, commercial office and corporate design. Interior designers may work as consultants or with a design company. They may also seek work involving production design for film, television and theatre as well as furniture and exhibition design. There is a trend for Australian interior design companies to practice in South-East Asia and bid competitively for international commissions.

Overview

Students undertaking this course receive a general background in studies in built environment combined with a series of experience exercises relating to basic design & specifically to interior design.

Professional Recognition

Successful completion of the Bachelor of Design (Interior Design) is recognised by the Design Institute of Australia as meeting the basic requirements for professional practice.

Minors

You will be able to select from two 4 unit approved minors or one 8 unit approved major to enhance and broaden your knowledge in a related field or an area of interest.

Further Information

The School of Design - Phone +61 7 3864 2626, Fax +61 7 3864 5280, email: bee.enquiries@qut.com

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

Year 1 - Semester 1	
BEB100	Introducing Professional Learning
DEB101	Introducing Design
DEB102	Introducing Design History
DTB101	Interior Design 1

Year 1 - Semester 2	
BEB200	Introducing Sustainability
DEB201	Digital Communication
DTB201	Interior Design 2
DTB202	Design Technology

Year 2 - Semester 1	
DTB301	Interior Design 3
DTB302	Colour Studies
DTB303	Technical Design
	Minor or Major Unit

Year 2 - Semester 2	
DTB401	Interior Design 4
DTB402	Interior Systems
DTB403	Human Environment
	Minor or Major Unit

Year 3 - Semester 1	
DTB501	Interior Design 5
DTB502	Environments in Transition

DTB503	Furniture Studies
	Minor or Major Unit

Year 3 - Semester 2

DEB601	Collaborative Design
DTB601	Interior Design 6
DTB602	Design in Society
	Minor or Major Unit

Year 4 - Semester 1

DEB701	Design and Research
DTB701	Interior Design 7
	Minor or Major Unit
	Minor or Major Unit

Year 4 - Semester 2

DEB801	Professional Practice
DTB801	Interior Design 8
	Minor or Major Unit
	Minor or Major Unit

Potential Careers:
Interior Designer.

Bachelor of Design (Landscape Architecture) (DE40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056386C
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 $6,861
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412342; Dfee: 412346
Past rank cut-off: 75; Dfee: 70
Past OP cut-off: 12; Dfee: 14
OP Guarantee: Yes
Assumed knowledge: English (4, SA)
Preparatory studies: 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: Ms Sheona Thomson
Discipline coordinator: Ms Delwynn Poulton
Campus: Gardens Point

IMPORTANT - SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Additional Admission Information

Applicants who are offered a place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to BN31 Bachelor of Built Environment (Landsape Architecture).

Career Outcomes

Landscape Architecture is predominantly a young profession with an increasing number of female practitioners. Sixty per cent of the profession is employed in private consultancies of landscape architects, architects, planners, urban designers and engineers. They are engaged primarily in site planning, site design, planting design and, to a lesser degree, landscape planning. Other opportunities for employment occur in the design sectors of government agencies. Some graduates work freelance on a contractual basis.

Overview

Landscape Architecture is concerned with the ordered design of open spaces at all scales: the appearance, atmosphere, and suitability of environment to assure its health and welfare and that of its inhabitants. Your course covers landscape theory and design, professional values, environment theory, graphic and other communication, and landscape construction supported by project and field work.

Minors

You will be able to select from two 4 unit approved minors or one 8 unit approved major to enhance and broaden your knowledge in a related field or an area of interest.

Professional Recognition

Professional accreditation is being sought from the Australian Institute of Landscape Architects.

Further Information

The School of Design - Phone +61 7 3864 2626, Fax +61 7 3864 5280, email: bee.enquiries@qut.com

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

Year 1 - Semester 1	
BEB100	Introducing Professional Learning
DEB101	Introducing Design
DEB102	Introducing Design History
DLB130	Introducing Landscape Design

Year 1 - Semester 2	
BEB200	Introducing Sustainability
DEB201	Digital Communication
DLB210	Environmental Design 1
DLB230	Environmental Design 2

Year 2 - Semester 1	
DLB310	People and Place
DLB330	People and Environment
	Minor or Major Unit
	Minor or Major Unit

Year 2 - Semester 2	
DLB410	Creative Site Design 1
DLB430	Physical Site Design
	Minor or Major Unit
	Minor or Major Unit

Year 3 - Semester 1	
DLB510	Creative Site Design 2
DLB525	History of Landscape Design

DLB530	Design Resolution
	Minor or Major Unit

Year 3 - Semester 2

DEB601	Collaborative Design
DLB630	Advanced Landscape Construction
DLB645	Regulating the Built Environment
	Minor or Major Unit

Year 4 - Semester 1

DEB701	Design and Research
DLB710	Urban Design Futures
DLB730	Advanced Project 1
	Minor or Major Unit

Year 4 - Semester 2

DEB801	Professional Practice
DLB810	Landscape Planning
DLB830	Advanced Project 2
	Minor or Major Unit

Potential Careers:
Landscape Architect.

Bachelor of Engineering (Electrical and Computer Engineering) (EE41)

Year offered: 2007
Admissions: Yes
CRICOS code: 003490G
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 $20160
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February and July
International Entry: February (July entry available to students with Advanced Standing)
QTAC code: 412502; Dfee: 412506
Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.
OP Guarantee: Yes
Total credit points: 384
Standard credit points per full-time semester: 48
Course coordinator: Dr R.Mahalinga-Iyer
Discipline coordinator: Dr Bouchra Senadji
Campus: Gardens Point

Additional Admission Information

The EE41 Bachelor of Engineering (Electrical and Computer Engineering) course has been replaced by EN40 Bachelor of Engineering (Electrical) from 2006 onwards. There will be no intake into the EE41 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Career Outcomes

Electrical and computer engineers design, install and maintain electrical, electronic, telecommunications and computing systems. They may specialise as electrical power engineers, electrical design engineers, communications or computer engineers. Graduates find employment with electricity boards, government and semi-government departments, large manufacturing and engineering companies.

Overview

This degree offers a balanced mix of theory and practice with the objective of preparing graduates for the work environment. Students will receive a thorough grounding in the engineering sciences and hands-on, practical experience in real world problem solving and application of theory to suit industry needs.

Professional Recognition

This degree meets the requirements for memebership of Engineers Australia and the Institution of Radio and Electronics Engineers Australia. It is professionally recognised by many international professional institutions including the Professional Engineers Board Singapore.

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Mid-year Entry

The EE42 Bachelor of Engineering (Electrical and Computer Engineering) course has been replaced by EN40 Bachelor of Engineering (Electrical) from 2006 onwards. There will be no midyear intake into the EE42 course in 2007 with the exception of QTAC applicants commencing their studies with at least 168 credit points of advanced standing (academic credit).

If offered a place, you may be are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Industry Cooperative Education Program

High achieving domestic students in third year may also be eligible to participate in the Industry Cooperative Education Program, based on a three-way partnership between the student, University and industry, and involving a full-time, one semester, paid and supervised workplace position with the industry partner.

Special Course Requirements

To graduate, students must complete at least 60 days industrial experience in an engineering environment which is approved by the course coordinator.

Further Information

Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.com

Deferment

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

Course structure - Full-time

Year 3 - Semester 1	
EEB511	Modern Control and Power Electronics
EEB512	Industrial Electronics and Digital Design
EEB560	Digital Communications
EEB584	Introduction to Design

Year 3 - Semester 2	
EEB612	Software Systems Design
EEB641	Fields Transmission and Propagation

EEB684	Advanced Design
	Select one of:
EEB640	Digital Signal Processing
	OR
EEB650	Power Systems Analysis

Year 4 - Semester 1

EEB781	Professional Studies 2
EEB889-1	Project
	Students normally enrol in EEB889-1 in semester one.
	Elective Unit 1(Technical)
	Elective Unit 2 (Technical)

Year 4 - Semester 2

EEB889-2	Project
	Students normally enrol in EEB889-2 in semester two.
	General Elective
	Elective Unit 3 (Technical)
	Elective Unit 4 (Technical)
	Students in this course must complete 60 days industrial experience before graduating.

Industry Cooperative Education Program

At the commencement of Year 3, Semester 1, eligible students may be invited to apply for a place in the Industry Cooperative Education Program. (See Course Structure.)

Electives

EEB766	RF Communication Technologies
EEB911	Electrical Energy Systems
EEB941	Modern Signal Processing
EEB960	Wireless Communications
EEB961	RF and Applied Electromagnetics
EEB976	Advanced Industrial Electronics
EEB992	VLSI Circuits and Systems

NOTE:

Please check unit availability, as not all units are offered every year.

At the discretion of the course coordinator students maybe allowed to select an elective from any advanced topics offered by the University.

Also potential honours students may, with the approval of the course coordinator, select an elective from the postgraduate degree courses offered by the School of Engineering Systems.

Course Structure - EE42-Mid-year entry

Year 3 - Semester 1

EEB511	Modern Control and Power Electronics
EEB512	Industrial Electronics and Digital Design
EEB560	Digital Communications
EEB584	Introduction to Design

Year 3 - Semester 2

EEB612	Software Systems Design
EEB641	Fields Transmission and Propagation
EEB684	Advanced Design
	Select one of:
EEB640	Digital Signal Processing
EEB650	Power Systems Analysis

Year 4 - Semester 1

EEB781	Professional Studies 2
EEB889-1	Project
	Students normally enrol in EEB889-1 in semester one
	Elective 1(Technical)
	Elective 2 (Technical)

Year 4 - Semester 2

EEB889-2	Project
	Students normally enrol in EEB889-2 in semester two
	General Elective
	Elective 3 (Technical)
	Elective 4 (Technical)
	Students must complete 60 days Industrial Experience before Graduation

Electives

EEB766	RF Communication Technologies
EEB911	Electrical Energy Systems
EEB941	Modern Signal Processing
EEB960	Wireless Communications
EEB961	RF and Applied Electromagnetics
EEB976	Advanced Industrial Electronics
EEB992	VLSI Circuits and Systems

NOTE:

Please check unit availability, as not all units are offered every year.

At the discretion of the course coordinator students maybe allowed to select an elective from any advanced topics offered by the University.

Also potential honours students may, with the approval of the course coordinator, select an elective from the postgraduate degree courses offered by the School of Engineering Systems.

Course structure - Industry Cooperative Education Program

Year 3 - Semester 1

EEB511	Modern Control and Power Electronics

EEB512	Industrial Electronics and Digital Design
EEB560	Digital Communications
EEB584	Introduction to Design
EEB641	Fields Transmission and Propagation

Year 3 - Semester 2

EEB686	Industry Practice
EEB640	Digital Signal Processing
	OR
EEB650	Power Systems Analysis

Year 4 - Semester 1

EEB781	Professional Studies 2
EEB889-1	Project
	Students normally enrol in EEB889-1 in semester one
	Elective Unit 1(Technical)
	Elective Unit 2 (Technical)

Year 4 - Semester 2

EEB612	Software Systems Design
EEB889-2	Project
	Students normally enrol in EEB889-2 in semester two
	Elective Unit 3 (Technical)
	Elective Unit 4 (Technical)

Potential Careers:

Electrical and Computer Engineer, Electrical Engineer.

Bachelor of Engineering (Electrical and Computer Engineering) (EE42)

Year offered: 2007
Admissions: Yes
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
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*

Bachelor of Engineering (Computer Systems) (EE46)

Year offered: 2007
Admissions: Yes
CRICOS code: 040309C
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 $20160
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412502; Dfee: 412506
Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.
OP Guarantee: Yes
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

Additional Admission Information

The EE46 Bachelor of Engineering (Computer Systems) course has been replaced by EN40 Bachelor of Engineering (Computer Systems) from 2006 onwards. There will be no intake into the EE46 course in 20078 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Career Outcomes

Graduates will be employed as design engineers, software engineers, hardware engineers, computer system engineers, information systems engineers, research and development engineers and project managers.

Overview

Students will study units from both electrical engineering and computing from a computer-based systems perspective. The course aims to produce students who are employable as design engineers, software and hardware engineers, computer systems engineers, and information systems engineers.

Professional Recognition

The course is provisionally accredited by Engineers Australia (EA).

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Optional Pathways

Students entering the Bachelor of Engineering (Electronics)/Bachelor of Information Technology course or the Bachelor of Engineering (Telecommunications) course can change to the Bachelor of Engineering (Computer Systems) at the end of the first year without loss of credit, subject to approval from the course coordinator and meeting minimum course requirements.

Special Course Requirements

Students must complete at least 60 days industrial experience in order to graduate.

Further Information

Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.com

Deferment

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

Course structure

Year 3 - Semester 1	
EEB512	Industrial Electronics and Digital Design
EEB560	Digital Communications
EEB566	Real-Time Computer-Based Systems
EEB584	Introduction to Design

Year 3 - Semester 2	
EEB612	Software Systems Design
EEB640	Digital Signal Processing
EEB666	Communication Environments for Embedded Systems
EEB684	Advanced Design

Year 4 - Semester 1	
EEB781	Professional Studies 2
EEB889-1	Project
	Elective Unit 1
	Elective Unit 2

Year 4 - Semester 2	
EEB889-2	Project
	General Elective
	Elective Unit 3
	Elective Unit 4
	Students must complete 60 days industrial experience before graduating.

NOTE:

For electives, please see Elective Unit List

Elective Unit List

Electrical Engineering Elective Units	
EEB941	Modern Signal Processing
EEB960	Wireless Communications
EEB976	Advanced Industrial Electronics
EEB992	VLSI Circuits and Systems
EEP123	Process Control and Robotics
EEP129	Image Processing and Computer Vision

Information Technology Elective Units	
ITB007	Web Development
ITB218	Applications Programming
ITB222	Systems Analysis and Design
ITB237	Advanced Databases
ITB254	Interaction Design
ITB257	Multimedia Systems
ITB259	Advanced Multimedia Systems
ITB260	E-Commerce Site Development
ITB322	Information Resources
ITB330	Information Issues and Policy
ITB710	Fundamentals of Computer Science
ITB713	Advanced Java Programming
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
ITB742	Computational Intelligence
ITB743	Artificial Intelligence
ITB745	Operating Systems
ITB746	Modelling and Animation Techniques
ITB747	Real Time Rendering Techniques
ITB748	Configurable Computing
ITB749	Scientific Programming

General Elective Units	
BSB113	Economics
BSB115	Management, People and Organisations
BSB119	International and Electronic Business
LSB118	Life Science
MAB481	Visualisation and Data Analysis

Any language offered by QUT.

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NOTE:

Please check unit availability as not all units are offered every year.

At the discretion of the course coordinator, students may be allowed to select an elective from any advanced topics offered by the University. Also potential honours students may, with the approval of the course coordinator, select an elective from the postgraduate degree courses offered by the School of Engineering Systems.

Potential Careers:

Computer Systems Engineer, Electrical and Computer Engineer, Systems Programmer.

Bachelor of Engineering (Telecommunications) (EE47)

Year offered: 2007
Admissions: Yes
CRICOS code: 040308D
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 $20160
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412502; Dfee: 412506
Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.
OP Guarantee: Yes
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

Additional Admission Information

The EE47 Bachelor of Engineering (Telecommunications) course has been replaced by EN40 Bachelor of Engineering (Telecommunications) from 2006 onwards. There will be no intake into the EE47 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Career Outcomes

Telecommunications engineers are involved in the design, planning, commissioning and monitoring of complex telecommunications networks and broadcasting equipment. As a result of the rapid increase in telecommunications technology, Australia currently faces a shortage of experience telecommunications engineers. Prospective employers include all the major carrier companies such as Telstra, Optus, Vodaphone, as well as mobile phone manufacturers such as Voxson, Motorola and Nokia. Other prospective employers are electronic equipment manufacturers and private and government bodies involved in Information Technology (IT), Telecommunication design and development.

Overview

Students study a combination of units from the School of Electrical and Electronic Systems Engineering, School of Computer Science and Software Engineering, School of Data Communication and the School of Mathematics. Areas covered include innovative communications technologies including the Internet, wireless mobile communication systems, optical fibre communications, satellite communication systems ADSL and other fast modem technologies, Bluetooth and HDTV.

Professional Recognition

The course is provisionally accredited by Engineers Australia (EA).

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Optional Pathway

Students entering the Bachelor of Engineering (Electronics)/Bachelor of Information Technology course or the Bachelor of Engineering (Computer Systems) course may transfer to the Bachelor of Engineering (Telecommunications) at the end of the first year without loss of credit, subject to approval from the course coordinator, and meeting minimum course requirements.

Special Course Requirements

Students must complete at least 60 days of industrial experience in order graduate.

Further Information

Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.com

Deferment

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

Course structure

Year 3 - Semester 1	
EEB560	Digital Communications
EEB584	Introduction to Design
ITB720	Internet Protocols and Services
ITB723	Wireless and Mobile Devices

Year 3 - Semester 2	
EEB640	Digital Signal Processing
EEB641	Fields Transmission and Propagation
EEB684	Advanced Design
	IT Elective

Year 4 - Semester 1	
EEB766	RF Communication Technologies
EEB781	Professional Studies 2
EEB889-1	Project
	Elective Unit 1

Year 4 - Semester 2	
EEB889-2	Project
EEB960	Wireless Communications
	General Elective
	Elective Unit 2
	Students must complete 60 days work experience before graduating.

NOTE:	
	For electives, please see Elective Unit List

Elective Unit List

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
EEP123	Process Control and Robotics
EEP129	Image Processing and Computer Vision

Information Technology Elective Units	
ITB007	Web Development
ITB218	Applications Programming
ITB222	Systems Analysis and Design
ITB237	Advanced Databases
ITB254	Interaction Design
ITB257	Multimedia Systems
ITB259	Advanced Multimedia Systems
ITB260	E-Commerce Site Development
ITB322	Information Resources
ITB330	Information Issues and Policy
ITB710	Fundamentals of Computer Science
ITB713	Advanced Java Programming
ITB716	Advanced Web Applications Development
ITB717	Enterprise Software Architecture
ITB721	Unix Network Administration
ITB722	Network Planning and Deployment
ITB730	Information Security Fundamentals
ITB731	Security Technologies
ITB732	Cryptology and Protocols
ITB733	Network Security
ITB740	Agent Based Software Engineering
ITB742	Computational Intelligence
ITB743	Artificial Intelligence
ITB745	Operating Systems
ITB746	Modelling and Animation Techniques
ITB747	Real Time Rendering Techniques
ITB748	Configurable Computing
ITB749	Scientific Programming

General Elective Units	
BSB113	Economics
BSB115	Management, People and Organisations
BSB119	International and Electronic Business
LSB118	Life Science
MAB481	Visualisation and Data Analysis
	Any language offered by QUT.

NOTE:	
	Please check unit availability as not all units are offered every year.
	At the discretion of the course coordinator, students may be allowed to select an elective from any advanced topics offered by the University. Also potential honours students may, with the approval of the course coordinator, select an elective from the postgraduate degree courses offered by the School of Engineering Systems.

Potential Careers:

Computer Systems Engineer, Data Communications Specialist, Electrical and Computer Engineer.

Bachelor of Engineering (Aerospace Avionics) (EE48)

Year offered: 2007
Admissions: Yes
CRICOS code: 037543G
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 $20160
International Fees (per semester): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412512
Past rank cut-off: 92. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.
Total credit points: 384
Standard credit points per full-time semester: 48
Course coordinator: Dr R.Mahalinga-Iyer
Discipline coordinator: Dr Bouchra Senadji
Campus: Gardens Point

Additional Admission Information

The EE48 Bachelor of Engineering (Aerospace Avionics) course has been replaced by EN40 Bachelor of Engineering (Aerospace Avionics) from 2006 onwards. There will be no intake into the EE48 course in 2008 with the exception of QTAC applicants commencing their studies with at least 264 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are not required to lodge an academic credit form, as academic credit will be awarded by QUT before the census date of your first teaching period.

After being awarded this credit and if you wish to seek for additional academic credit, you are then required to lodge an Application for Academic Credit form for that additional credit by the due date and subject QUT rules .

OP Guarantee

The OP Guarantee does not apply to this course.

Career Outcomes

Aerospace Engineers are involved in the design, development, manufacture and maintenance work on aeroplanes, helicopters, spacecraft and satellites. Graduates are employed by the RAAF, RAN and by government bodies such as the Defence Research Centres and the Civil Aviation Authority. There are also career opportunities with aerospace companies, aircraft maintenance and aeronautical consulting services. Opportunities outside aerospace also exist in the areas of electronics, process control, instrument manufacture and automotive equipment.

Overview

Students study aerodynamics, aircraft control systems, avionics navigation and communication. In later years of the degree, specialist study is undertaken in design of aircraft and satellite systems including systems engineering methodology, aircraft and satellite technology and applications. As many of the teaching staff are involved in relevant research with government and industry sectors, students have the opportunity to work on real projects during their studies.

Professional Recognition

This degree meets the requirements for membership of Engineers Australia and the Institution of Radio and Electronics Engineers Australia. It is also professionally recognised by many international professional institutions.

Minors

Subject to the approval of the course coordinator, students in this course may gain a minor in Systems Engineering by choosing the same group project through the Aerospace Design units and the final year project providing they comply with Systems Engineering principles.

Optional Pathway

Subject to normal course entry rules students may transfer internally from the QUT Bachelor of Engineering (Electrical and Computer Engineering) course to this degree after the completion of the first year full-time if they have obtained a sufficiently high grade point average that will meet the course cut-off for that year.

Articulation to Masters

Subject to University approval, students achieving a certain minimum performance criteria at the end of year 3 of the Bachelor of Engineering course, may be eligible to study two Master of Engineering Science level units as electives.

After successfully completing the Bachelor of Engineering course, students eligible to enrol in the Master of Engineering Science courses can then have these two units credited towards the Masters Program.

Special Course Requirements

In order to graduate students must complete 70 days approved industrial experience in an engineering environment as approved by the course coordinator, including 10 days specialist experience in the avionics industry.

Further Information

Phone +61 7 3138 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.com

Deferment

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

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.

Course structure

Year 3 - Semester 1	
EEB512	Industrial Electronics and Digital Design
EEB535	Modern Flight Control Systems
EEB560	Digital Communications
EEB585	Systems Engineering Design

Year 3 - Semester 2	
EEB612	Software Systems Design
EEB640	Digital Signal Processing
EEB641	Fields Transmission and Propagation
EEB685	Advanced Systems Design

Year 4 - Semester 1	
EEB732	Space Technology
EEB781	Professional Studies 2
EEB782-1	Systems Project
	Elective Unit 1

Year 4 - Semester 2	
EEB782-2	Systems Project
EEB833	Spacecraft Guidance and Navigation
EEB835	Navigation Systems for Aircraft
	Elective Unit 2
	Students in this course must complete 60 days industrial experience before graduating. An additional 10 days specialist industrial experience must be obtained in the aerospace avionics industry.

Electives	
EEB760	Aerospace Radio and Radar Systems
EEB766	RF Communication Technologies
EEB831	Military Combat Electronics
EEB941	Modern Signal Processing
EEB960	Wireless Communications
EEB961	RF and Applied Electromagnetics
EEB976	Advanced Industrial Electronics
EEB992	VLSI Circuits and Systems
PCB469	Astrophysics 1
	General Elective or a language
	Please check unit availability, as not all units are offered every year.
	Also potential honours students may, with the approval of the course coordinator, select an elective from the postgraduate degree courses offered by the School of Engineering Systems.
	At the discretion of the course coordinator, students maybe alowed to select an elective from any advanced topics offered by the University.

Potential Careers:

Aerospace Avionics Engineer.

Graduate Diploma in Electricity Supply Engineering (EE60)

Year offered: 2007
Admissions: Yes
Course duration (part-time): 4 Semesters (minimum)
Domestic fees (per credit point): 2007: $235 per credit point *(subject to annual review)*
Domestic fees (indicative): 2007: Full fee tuition $22560
Domestic Entry: Year round. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Course coordinator: Professor Gerard Ledwich
Campus: Gardens Point and External

Entry Requirements

A bachelor degree in Electrical Engineering with a study of power subjects to third-year level.
There is provision also for entry by Associate Diploma or Advanced Diploma holders with industry experience.

Overview

This course provides you with the skills and knowledge identified to meet industry competencies. QUT staff draw on the expertise of experienced engineers in industry to provide you with the high level of vocationally oriented training required by professional personnel in industry. (12 units are also available as distance education units).

Course Structure

In the Graduate Diploma students must complete 24 units from List. Units are offered in block mode or by distance education. Block mode units are held twice yearly and distance education units are year round. Ad hoc Block modes units are also offered in Brisbane and throughout Australia and New Zealand depending on demand. Please contact the Course Coordinator for further information.

International Student Entry

QUT advises that this course is not available to International students.

Further Information

Prof Gerard Ledwich Phone 07 3864 1632 or 07 3864 2864, Fax 07 3864 1516, email: g.ledwich@qut.edu.au

Course structure

Choose 24 Units from list below	
EEP201	Fundamentals of Power System Earthing
EEP202	Thermal Ratings and Heat Transfer
EEP203	Testing and Condition Monitoring
EEP204	Power System Load Flow Analysis
EEP205	Power System Fault Calculations
EEP206	Project Management
EEP207	Overhead Line Route Selection - Environmental Factors
EEP208	Economic Analysis for Power System Engineers
EEP209	Power System Harmonics
EEP210	Abnormal System Voltages
EEP211	Basic Power System Protection
EEP212	Advanced Power System Protection
EEP213	Statistics
EEP214	Risk Assessment in the Electricity Supply Industry
EEP215	Reliability
EEP216	Overhead Line Design - Electrical
EEP217	Overhead Line Design - Mechanical
EEP218	Introduction to Automated System Control and Supervisory Systems
EEP219	High Voltage Substation Equipment: Power Transformers and Reactive Power Plant
EEP220	Distribution Planning
EEP221	Limits to Power System Stability
EEP222	Maintenance of Electricity Supply Systems
EEP223	Load Forecasting
EEP224	Power System Operation
EEP240	Organisation and Financial Management in the Electricity Supply Industry
EEP241	Distance Protection
EEP242	Efficient Marketing and Utilisation of Electricity: Demand and Supply Side Solutions
EEP243	Contract Administration
EEP244	Circuit Breakers - Switchgear
EEP245	Introduction to Substation Design
EEP246	Customer Metering
EEP248	Introduction to Electricity Markets

Units available by distance education with flexible enrolment year round	
EEP202	Thermal Ratings and Heat Transfer
EEP204	Power System Load Flow Analysis
EEP208	Economic Analysis for Power System Engineers
EEP209	Power System Harmonics
EEP210	Abnormal System Voltages
EEP211	Basic Power System Protection
EEP212	Advanced Power System Protection
EEP213	Statistics
EEP214	Risk Assessment in the Electricity Supply Industry
EEP215	Reliability
EEP220	Distribution Planning
EEP241	Distance Protection

Potential Careers:

Electrical Engineer.

Graduate Certificate in Computer and Communications Engineering (EE61)

Year offered: 2007
Admissions: No
CRICOS code: 043119G
Course duration (full-time): 1 semester
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
Total credit points: 48
Course coordinator: Dr John Edwards
Campus: Gardens Point

Entry Requirements

A bachelor degree in Electrical Engineering, Information Technology or equivalent; or an Associate Diploma /Advanced Diploma in electrical engineering or information technology, or equivalent, together with significant relevant industrial experience, education and training as approved by the course coordinator.

Overview

This course develops your in-depth knowledge and research skills in computer engineering, communications engineering, and several related areas. You can specialise in either computer or communications engineering or take subjects in both. Computer Engineering covers important contemporary topics such as software development, hardware development computer networks and communications, real time operating systems, and application of computers in robotics, process control, image processing and computer vision. Communications Engineering covers advanced digital communication, signal processing techniques, hardware and software components in communications systems and various applications areas.

Course Structure

In the Graduate Certificate students select a total of four units from semester 1 or semester 2 lists.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Phone + 61 7 3864 1993, Fax + 61 7 3864 9361, email: bee.enquiries@qut.com

Course structure

Semester 1 - Units	
EEP101	Algorithms for Control and Engineering
EEP102	Unix and C for Engineers
EEP103	Computer Hardware and Interfacing
EEP124	Data Communications
EEP126	Communications Digital Signal Processing
	Elective Unit 1

Semester 2 - Units	
EEP104	Real-Time Operating Systems
EEP120	Networks and Distributed Computing
EEP123	Process Control and Robotics
EEP129	Image Processing and Computer Vision
EEP135	Digital Signal Processing and Applications
	Elective Unit 2

Elective Units	
EEB911	Electrical Energy Systems
EEB941	Modern Signal Processing
EEB960	Wireless Communications
EEB961	RF and Applied Electromagnetics
EEB976	Advanced Industrial Electronics
EEB992	VLSI Circuits and Systems
EEP127	Advanced Topic B

Note:	
	At the discretion of the course coordinator, students maybe alowed to select an elective from any advanced topics offered by the University.
	Most of the units as part of the program are offered once a year (either first or second semester). Students are advised to check the unit availability prior to enrolling, as units offered as electives may be cancelled due to insufficient enrolment numbers.

Potential Careers:

Computer Systems Engineer, Electrical and Computer Engineer.

Graduate Diploma in Computer and Communications Engineering (EE67)

Year offered: 2007
Admissions: Yes
CRICOS code: 015184G
Course duration (full-time): 1 year
Course duration (part-time): 2 years
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Dr John Edwards
Campus: Gardens Point

Entry Requirements

Applicants for the Graduate Diploma must hold a bachelor degree in Electrical Engineering, Information Technology or equivalent; or have successfully completed the Graduate Certificate in Computer and Communications Engineering.

Overview

This course develops your in-depth knowledge and research skills in computer engineering, communications engineering, and several related areas. You can specialise in either computer or communications engineering or take subjects in both. Computer Engineering covers important contemporary topics such as software development, hardware development computer networks and communications, real time operating systems, and application of computers in robotics, process control, image processing and computer vision. Communications Engineering covers advanced digital communication, signal processing techniques, hardware and software components in communications systems and various applications areas.

Course Structure

Graduate Diploma students select a total of eight units from Semester 1 and Semester 2 lists.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 1993, Fax +61 7 3864 9361, email: bee.enquiries@qut.com

Course structure

Semester 1 - Units	
EEP101	Algorithms for Control and Engineering
EEP102	Unix and C for Engineers
EEP103	Computer Hardware and Interfacing
EEP124	Data Communications
EEP126	Communications Digital Signal Processing
	Elective unit 1

Semester 2 - Units	
EEP104	Real-Time Operating Systems
EEP120	Networks and Distributed Computing
EEP123	Process Control and Robotics
EEP129	Image Processing and Computer Vision
EEP135	Digital Signal Processing and Applications
	Elective unit 2

Elective Units	
EEB911	Electrical Energy Systems
EEB941	Modern Signal Processing
EEB960	Wireless Communications
EEB961	RF and Applied Electromagnetics
EEB976	Advanced Industrial Electronics
EEB992	VLSI Circuits and Systems
EEP127	Advanced Topic B

Note:

Graduate Diploma students complete 8 units from semester 1 and 2 lists.

At the discretion of the course coordinator, students maybe alowed to select an elective from any advanced topics offered by the University.

Most of the units as part of the program are offered once a year (either first or second semester). Students are advised to check the unit availability prior to enrolling, as units offered as electives may be cancelled due to insufficient enrolment numbers.

Potential Careers:

Computer Systems Engineer, Electrical and Computer Engineer, Software Engineer.

Master of Engineering Science (Computer and Communications Engineering) (EE74)

Year offered: 2007
Admissions: Yes
CRICOS code: 040343A
Course duration (full-time): 1 year
Course duration (part-time): 2 years
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Dr John Edwards
Campus: Gardens Point

Entry Requirements

Applicants for the Masters program must hold a bachelor degree in Electrical Engineering, Information Technology or Science with at least second class honours or equivalent; or have partially completed the Graduate Diploma in Computer and Communications Engineering with a grade point average of 5 or better over the first 4 units; or successfully completed the Graduate Diploma in Computer and Communications Engineering with a grade point average of 5 or better; or successfully completed the Graduate Certificate in Computer and Communications Engineering (EE61) with a grade point average of 5 or better.

Overview

This course develops your in-depth knowledge and research skills in computer engineering, communications engineering, and several related areas. You can specialise in either computer or communications engineering or take subjects in both. Computer Engineering covers important contemporary topics such as software development, hardware development computer networks and communications, real time operating systems, and application of computers in robotics, process control, image processing and computer vision. Communications Engineering covers advanced digital communication, signal processing techniques, hardware and software components in communications systems and various applications areas.

Masters Qualifying Program

Applicants who do not meet the entry requirements outlined above, will be required to enrol in the first semester of the Graduate Diploma in Computer and Communications Engineering (EE67). If in this first semester a sufficiently high standard is attained, then candidates will be invited to change enrolment to the Masters program. Otherwise they will continue their studies in the Graduate Diploma in Computer and Communications Engineering towards that award.

Masters Upgrade Program

Those who have completed the Graduate Diploma in Computer and Communications Engineering (EE67) may upgrade by undertaking further study in the Master of Engineering Science (Computer & Communications Engineering) and be given credit for the units which they have completed at Graduate Diploma level. The structure of the course dictates that this upgrade program be undertaken on a part-time basis.

Students undertaking the Masters Upgrade Program will enrol in the following units:
EEP301/1 Project
EEP301/2 Project.

Course Structure

Masters students select either a total of six units from Semester 1 and Semester 2 lists and complete a 24 credit point project (EEP301, or seven units plus EEP304 Project Component.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 1993, Fax +61 7 3864 9361, email: bee.enquiries@qut.com

Course Structure

Semester 1	
EEP101	Algorithms for Control and Engineering
EEP102	Unix and C for Engineers
EEP103	Computer Hardware and Interfacing
EEP124	Data Communications
EEP126	Communications Digital Signal Processing
	Elective unit 1

Semester 2	
EEP104	Real-Time Operating Systems
EEP120	Networks and Distributed Computing
EEP123	Process Control and Robotics
EEP129	Image Processing and Computer Vision
EEP135	Digital Signal Processing and Applications
	Elective unit 2

Semester 1 and/or 2	
EEP301-1	Project
EEP301-2	Project
	OR
EEP304	Project Component

Elective Units	
EEB911	Electrical Energy Systems

EEB941	Modern Signal Processing
EEB960	Wireless Communications
EEB961	RF and Applied Electromagnetics
EEB976	Advanced Industrial Electronics
EEB992	VLSI Circuits and Systems
EEP127	Advanced Topic B

Note:

At the discretion of the course coordinator, students maybe allowed to select an elective from any advanced topics offered by the University.

Most of the units as part of the program are offered once a year (either first or second semester). Students are advised to check the unit availability prior to enrolling, as units offered as electives may be cancelled due to insufficient enrolment numbers.

Potential Careers:

Computer Systems Engineer, Electrical and Computer Engineer.

Master of Engineering Science (Electrical Engineering Studies) (EE77)

Year offered: 2007
Admissions: Yes
CRICOS code: 042260K
Course duration (full-time): 1 year
Course duration (part-time): 2 years
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Course coordinator: Dr John Edwards
Campus: Gardens Point

Entry Requirements

Applicants for the Masters program must hold a bachelor degree in Electrical Engineering, Information Technology or Science with at least second class honours or equivalent; or have partially completed the Graduate Diploma in Computer and Communications Engineering with a grade point average of 5 or better over the first 4 units; or successfully completed the Graduate Diploma in Computer and Communications Engineering with a grade point average of 5 or better; or successfully completed the Graduate Certificate in Computer and Communications Engineering (EE61) with a grade point average of 5 or better.

Overview

This course develops your in-depth knowledge and research skills in computer engineering, communications engineering, and other areas of electrical and associate engineering disciplines. You can broaden your knowledge in project management type units for mechanical and civil engineering courses or specialise in either computer or communications engineering or take subjects in both. The Computer Engineering stream covers important contemporary topics such as software development, computer networks and communications, real time operating systems, and application of computers in robotics, process control, image processing and computer vision. The Communications Engineering stream covers advanced digital communications systems, and various applications.

Further Information

Phone +61 7 3864 1993, Fax +61 7 3864 9361, email: bee.enquiries@qut.edu.au

Course structure

Full-time Course Structure

Band 1 Units

Choose 3 units from the following Band 1 units. Most of these units are offered once a year (either in Semester 1 or Semester 2). Students are advised to check the unit availability prior to enrolling.

Semester 1

CEP201	Process Modelling
CEP291	Environmental Law and Assessment
EEP101	Algorithms for Control and Engineering
EEP102	Unix and C for Engineers
EEP103	Computer Hardware and Interfacing
MEN101	Research Methodology
MEN172	Cost Analysis and Asset Management
MEN280	Engineering Project Management

Semester 2

CEP141	Studies in Environmental Engineering
CEP295	Civil Engineering Management in a Project Environment
EEP129	Image Processing and Computer Vision
MEN101	Research Methodology
MEN170	Systems Modelling and Simulation

Band 2 Units

Choose 3 units from the range of Band 2 units. The following units are offered in EE61/66/76, and may be cancelled due to insufficient enrolment numbers.

Students are advised to check the unit availability prior to enrolling.

Semester 1

EEP101	Algorithms for Control and Engineering
EEP102	Unix and C for Engineers
EEP103	Computer Hardware and Interfacing
EEP124	Data Communications
EEP126	Communications Digital Signal Processing
	Elective Unit 1

Semester 2

EEP104	Real-Time Operating Systems
EEP120	Networks and Distributed Computing
EEP123	Process Control and Robotics
EEP129	Image Processing and Computer Vision
EEP135	Digital Signal Processing and Applications
	Elective Unit 2

Band 3 Units

Students must complete their 24 cp project over one or two semesters by enrolling in the following two 12 cp project units

EEP301-1	Project
EEP301-2	Project

Elective Units

EEB911	Electrical Energy Systems
EEB941	Modern Signal Processing
EEB960	Wireless Communications
EEB961	RF and Applied Electromagnetics
EEB976	Advanced Industrial Electronics
EEB992	VLSI Circuits and Systems
EEP127	Advanced Topic B

Note:

At the discretion of the course coordinator, students may be alowed to select an elective from any advanced topics offered by the University.

The School reserves the right to offer the units according to enrolment quotas and staff availability.

Potential Careers:

Electrical and Computer Engineer, Electrical Engineer.

Master of Engineering Science (Electricity Supply Engineering) (EE78)

Year offered: 2007
Admissions: Yes
Course duration (part-time): 4 Semesters (minimum)
Domestic fees (per credit point): 2007: $235 per credit point *(subject to annual review)*
Domestic fees (indicative): 2007: Full fee tuition $22560
Domestic Entry: Year round. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Course coordinator: Professor Gerard Ledwich
Campus: Gardens Point and External

Overview

This course provides you with the skills and knowledge identified to meet industry competencies. QUT staff draw on the expertise of experienced engineers in industry to provide you with the high level of vocationally oriented training required by professional personnel in industry. (12 units are also available as distance education units.)

Entry Requirements

A bachelor degree in Electrical Engineering and at least second class honours, with a study of power subjects to third-year level; OR students with the degree qualification, but who do not have second class honours, may transfer from the Graduate Diploma (Electricity Supply) (EE60) after completing 48 credit points with a grade point average of 5 or better. You must also have a firm offer of a supervised industry placement.

Course structure

In the Masters program students choose 18 units from list and complete 100 days of supervised professional practice and submit a thesis that makes a contribution to knowledge of professional practice that they have undertaken.

Units are offered in block mode or by distance education. Block mode units are held twice yearly and distance education units are year round. Ad hoc Block modes units are also offered in Brisbane and throughout Australia and New Zealand in demand. Please contact the Course Coordinator for further information.

Further Information

Prof Gerard Ledwich Phone 07 3864 1632 or 07 3864 2864, Fax 07 3864 1516, email: g.ledwich@qut.edu.au

Full-Time Course Structure

Structure	
	18 Units (selected from List) plus
EEP230	Thesis A
EEP231	Thesis B
	*Students must complete 100 days of supervised professional practice. The thesis is related to this industry experience.

Unit List	
EEP201	Fundamentals of Power System Earthing
EEP202	Thermal Ratings and Heat Transfer
EEP203	Testing and Condition Monitoring
EEP204	Power System Load Flow Analysis
EEP205	Power System Fault Calculations
EEP206	Project Management
EEP207	Overhead Line Route Selection - Environmental Factors
EEP208	Economic Analysis for Power System Engineers
EEP209	Power System Harmonics
EEP210	Abnormal System Voltages
EEP211	Basic Power System Protection
EEP212	Advanced Power System Protection
EEP213	Statistics
EEP214	Risk Assessment in the Electricity Supply Industry
EEP215	Reliability
EEP216	Overhead Line Design - Electrical
EEP217	Overhead Line Design - Mechanical
EEP218	Introduction to Automated System Control and Supervisory Systems
EEP219	High Voltage Substation Equipment: Power Transformers and Reactive Power Plant
EEP220	Distribution Planning
EEP221	Limits to Power System Stability
EEP222	Maintenance of Electricity Supply Systems
EEP223	Load Forecasting
EEP224	Power System Operation
EEP240	Organisation and Financial Management in the Electricity Supply Industry
EEP241	Distance Protection
EEP242	Efficient Marketing and Utilisation of Electricity: Demand and Supply Side Solutions
EEP243	Contract Administration
EEP244	Circuit Breakers - Switchgear
EEP245	Introduction to Substation Design
EEP246	Customer Metering
EEP248	Introduction to Electricity Markets

Units available by distance education with flexible enrolment year round	
EEP202	Thermal Ratings and Heat Transfer
EEP204	Power System Load Flow Analysis
EEP208	Economic Analysis for Power System Engineers
EEP209	Power System Harmonics
EEP210	Abnormal System Voltages
EEP211	Basic Power System Protection
EEP212	Advanced Power System Protection
EEP213	Statistics

EEP214	Risk Assessment in the Electricity Supply Industry
EEP215	Reliability
EEP220	Distribution Planning
EEP241	Distance Protection

Potential Careers:

Electrical Engineer.

Graduate Certificate in Electricity Supply Engineering (EE82)

Year offered: 2007
Admissions: Yes
Course duration (part-time): 2 semesters (minimum)
Domestic fees (per credit point): 2007: $235 per credit point *(subject to annual review)*
Domestic fees (indicative): 2007: Full fee tuition $22560
International Fees (per semester): 2007: $9,000 per semester *(subject to annual review)*
Domestic Entry: Year round. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 48
Course coordinator: Professor Gerard Ledwich
Campus: Gardens Point and External

Overview

This course provides you with the skills and knowledge identified to meet industry competencies. QUT staff draw on the expertise of experienced engineers in industry to provide you with the high level of vocationally oriented training required by professional personnel in industry. (12 units are also available as distance education units.)

Entry Requirements

A bachelor degree in electrical engineering with a study of power subjects to third-year level. Provision also for Associate Diploma or Advanced Diploma holders to enter the Graduate Certificate and Graduate Diploma.

Course Structure

In the Graduate Certificate students choose 12 units from the unit list. Units are offered in block mode or by distance education. Block mode units are held twice yearly and distance education units are year round. Ad hoc Block modes units are also offered in Brisbane and throughout Australia and New Zealand depending on demand. Please contact the Course Coordinator for further information.

Further Information

Prof Gerard Ledwich Phone 07 3864 1632 or 07 3864 2864, Fax 07 3864 1516, email: g.ledwich@qut.edu.au

Course Structure

Choose 12 units from list	
EEP201	Fundamentals of Power System Earthing
EEP202	Thermal Ratings and Heat Transfer
EEP203	Testing and Condition Monitoring
EEP204	Power System Load Flow Analysis
EEP205	Power System Fault Calculations
EEP206	Project Management
EEP207	Overhead Line Route Selection - Environmental Factors
EEP208	Economic Analysis for Power System Engineers
EEP209	Power System Harmonics
EEP210	Abnormal System Voltages
EEP211	Basic Power System Protection
EEP212	Advanced Power System Protection
EEP213	Statistics
EEP214	Risk Assessment in the Electricity Supply Industry
EEP215	Reliability
EEP216	Overhead Line Design - Electrical
EEP217	Overhead Line Design - Mechanical
EEP218	Introduction to Automated System Control and Supervisory Systems
EEP219	High Voltage Substation Equipment: Power Transformers and Reactive Power Plant
EEP220	Distribution Planning
EEP221	Limits to Power System Stability
EEP222	Maintenance of Electricity Supply Systems
EEP223	Load Forecasting
EEP224	Power System Operation
EEP240	Organisation and Financial Management in the Electricity Supply Industry
EEP241	Distance Protection
EEP242	Efficient Marketing and Utilisation of Electricity: Demand and Supply Side Solutions
EEP243	Contract Administration
EEP244	Circuit Breakers - Switchgear
EEP245	Introduction to Substation Design
EEP246	Customer Metering
EEP248	Introduction to Electricity Markets

Units available by distance education with flexible enrolment year round.	
EEP202	Thermal Ratings and Heat Transfer
EEP204	Power System Load Flow Analysis
EEP208	Economic Analysis for Power System Engineers
EEP209	Power System Harmonics
EEP210	Abnormal System Voltages
EEP211	Basic Power System Protection
EEP212	Advanced Power System Protection
EEP213	Statistics
EEP214	Risk Assessment in the Electricity Supply Industry
EEP215	Reliability
EEP220	Distribution Planning
EEP241	Distance Protection

Potential Careers:

Electrical Engineer.

Bachelor of Engineering (Aerospace Avionics) (EN40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056389M
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
International Fees (per semester): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412512
Past rank cut-off: 90
Past OP cut-off: 6
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.edu.au
Total credit points: 384
Standard credit points per full-time semester: 48
Course coordinator: Dr R.Mahalinga-Iyer
Discipline coordinator: Dr Bouchra Senadji
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Additional Admission Information

Applicants who are offered place and eligible to receive 264 credit points (or more) of advanced standing will be admitted to the EE48 Bachelor of Engineering (Aerospace Avionics).

Recommended Study

Chemistry, Math C and Physics.

OP Guarantee

The OP Guarantee does not apply to this course.

Career Outcomes

Aerospace Engineers are involved in the design, development, manufacture and maintenance work on aeroplanes, helicopters, spacecraft and satellites. Graduates are employed by the RAAF, RAN and by government bodies such as the Defence Research Centres and the Civil Aviation Authority. There are also career opportunities with aerospace companies, aircraft maintenance and aeronautical consulting services. Opportunities outside aerospace also exist in the areas of electronics, process control, instrument manufacture and automotive equipment.

Overview

Students study aerodynamics, aircraft control systems, avionics navigation and communication. In later years of the degree, specialist study is undertaken in design of aircraft and satellite systems including systems engineering methodology, aircraft and satellite technology and applications. As many of the teaching staff are involved in relevant research with government and industry sectors, students have the opportunity to work on real projects during their studies.

Professional Recognition

Accreditation from Engineers Australia (EA)is currently being sought.

Optional Pathway

Subject to normal course entry rules students may transfer internally from the QUT Bachelor of Engineering (Electrical) course to this degree after the completion of the first year full-time if they have obtained a sufficiently high grade point average that will meet the course cut-off for that year.

Special Course Requirements

In order to graduate students must complete 70 days approved industrial experience in an engineering environment as approved by the course coordinator, including 10 days specialist experience in the avionics industry.

Further Information

School of Engineering Systems - Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.com

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.

Course structure

Year 1 - Semester 1	
BEB100	Introducing Professional Learning

ENB140	Introduction to Avionics
MAB131	Engineering Mathematics 1A
	OR
MAB180	Engineering Mathematics 1B
PCB136	Engineering Physics 1C

Year 1- Semester 2

ENB101	Engineering Mechanics 1
ENB103	Electrical Engineering
ENB121	Aerodynamics
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 2 - Semester 1

ENB240	Introduction To Electronics
ENB242	Introduction To Telecommunications
ENB246	Engineering Problem Solving
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

BEB200	Introducing Sustainability
ENB241	Software Systems Design
ENB243	Linear Circuits and Systems
ENB244	Microprocessors and Digital Systems

Year 3 - Semester 1

ENB342	Signals, Systems and Transforms
ENB343	Fields Transmission and Propagation
ENB348	Aircraft Systems and Flight Control
ENB354	Introduction to Systems Design

Year 3 - Semester 2

ENB346	Digital Communications
ENB347	Modern Flight Control Systems
ENB355	Advanced Systems Design
ENB356	Military Combat Electronics

Year 4 - Semester 1

BEB801	Project 1
ENB440	RF and Applied Electromagnetics
ENB443	Space Technology
ENB451	Aerospace Radio Radar Systems

Year 4 - Semester 2

BEB701	Work Integrated Learning 1
BEB802	Project 2
ENB444	Spacecraft Guidance and Navigation
ENB447	Navigation Systems for Aircraft

Potential Careers:

Aerospace Avionics Engineer, Electrical and Computer Engineer, Electrical Engineer.

Bachelor of Engineering (Civil and Construction) (EN40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056529D
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 $20160
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412502; Dfee: 412506
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 Jon Bunker
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Recommended study

Chemistry, Maths C and Physics.

Career Outcomes

Construction engineering is suited to people attracted to the intellectual rigour of engineering, but with a bias towards the challenge of converting design into physical reality. While the course retains sufficient traditional civil engineering to enable graduates to work in consultantÀ offices, most would be employed by civil construction companies and Government Departments. Commercial and legal studies equip graduates to progress through the management structures of these organisations or to establish companies of their own. The range of work undertaken by civil construction companies ranges from residential land development through earthworks, tunnels, roads and dams to airports, marine facilities, major bridges and. complex buildings. The world wide trend towards design and construction being undertaken within one organisation, acts to advantage engineers competent in both.

Overview

This course combines civil engineering with construction management, you will study civil engineering subjects combined with the requirements for managing the construction of large projects.

Professional Recognition

Professional accreditation will be sought from Engineers Australia (EA).

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Civil and Construction) must complete at least 60 days of industrial experience/ practice in an engineering construction environment as approved by the course coordinator.

Minors

You will have the opportunity to undertaken two minors(a minor is four units or 48
credit points) in the same discipline. For professional recognition you will undertake an Applications Minor which consists of a Work Place Integrated Learning unit, a project unit and two specialised civil engineering units. The second minor may be taken from an approved list outside your discipline.

International Student Entry

International students who are interested in mid-year entry should consult the Faculty of Built Environment and Engineering Student Services section regarding the course structure to be undertaken.

Further Information

School of Urban Development - Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

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

Year 1 - Semester 1	
BEB100	Introducing Professional Learning
ENB101	Engineering Mechanics 1
MAB131	Engineering Mathematics 1A
	OR
MAB180	Engineering Mathematics 1B
UDB110	Residential Construction and Engineering

Year 1- Semester 2	
BEB200	Introducing Sustainability

ENB102	Engineering Mechanics 2
ENB104	Engineering Materials
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 2 - Semester 1

ENB272	Geotechnical Engineering 1
ENB273	Civil Materials
MAB233	Engineering Mathematics 3
UDB312	Contract Administration

Year 2 - Semester 2

ENB103	Electrical Engineering
ENB275	Project Engineering 1
ENB276	Structural Engineering 1
UDB214	Professional Studies 2

Year 3 - Semester 1

ENB277	Construction Engineering Law
ENB375	Structural Engineering 2
ENB381	Civil Engineering Construction
UDB313	Programming and Scheduling

Year 3 - Semester 2

ENB371	Geotechnical Engineering 2
ENB373	Design and Construction of Steel Structures
ENB382	Estimating in Engineering Construction
	Major/Minor Unit

Year 4 - Semester 1

BEB701	Work Integrated Learning 1
BEB801	Project 1
ENB471	Design of Concrete Structures and Foundations
	Major/Minor Unit

Year 4 - Semester 2

	Applications Minor
	Applications Minor
	Major/Minor Unit
	Major/Minor Unit

Course structure

Potential Careers:

Civil Engineer, Construction Manager, Project Manager.

Bachelor of Engineering (Civil and Environmental) (EN40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056529D
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 $20160
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412502; Dfee: 412506
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 Jon Bunker
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Additional Admission Information

Applicants who are offered a place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to the CE46 Bachelor of Engineering (Civil and Environmental).

Recommended Study

Chemistry, Maths C and Physics.

Career Outcomes

Environmental management is concerned mainly with the assessment and management of the effect of human and other activity on the environment. Graduates apply their skills to find solutions for the management of liquid and solid waste, or air and noise pollution. Graduates can be employed by government bodies and private companies involved with the environmental aspects of planning, designing, constructing and monitoring of structures and facilities including mines, factories, power stations, water and waste water treatment plants and refineries. As legislation becomes more stringent and the community's expectations increase, there will be need for institutions to employ more environmental engineers.

Overview

This course wil provide you with the technical eduscation in civil, environmental engineering and science as well as enviromental management skills and mining and sustainable development.

Minors

You will have the opportunity to undertaken two minors; a minor is four units (48
credit points) in the same discipline. For professional recognition you will undertake an Applications minor which consists of a Work Place Integrated Learning unit, a project unit and two specialised civil engineering units. The second minor may be taken from an approved list outside your discipline.

Professional Recognition

Professional accreditation from Engineers Australia will be sought.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Civil and Environmental) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

Further Information

School of Urban Development - Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

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

Year 1 - Semester 1	
BEB100	Introducing Professional Learning
ENB101	Engineering Mechanics 1
ENB104	Engineering Materials
MAB131	Engineering Mathematics 1A
	OR
MAB180	Engineering Mathematics 1B

Year 1- Semester 2	
BEB200	Introducing Sustainability
ENB102	Engineering Mechanics 2
ENB103	Electrical Engineering

MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 2 - Semester 1

ENB271	Design of Structural Timber and Earthworks
ENB272	Geotechnical Engineering 1
ENB273	Civil Materials
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

ENB201	Fluid Mechanics
ENB274	Design of Environmentally Sustainable Systems
ENB275	Project Engineering 1
ENB276	Structural Engineering 1

Year 3 - Semester 1

ENB372	Design and Planning of Highways
ENB378	Water Engineering
ENB380	Environmental Law and Assessment
	Major/Minor Unit

Year 3 - Semester 2

ENB371	Geotechnical Engineering 2
ENB377	Water and Waste Water Treatment Engineering
ENB383	Environmental Resource Management
UDB164	Population and Urban Studies

Year 4 - Semester 1

BEB701	Work Integrated Learning 1
BEB801	Project 1
	Applications Minor
	Major/Minor Unit

Year 4 - Semester 2

	Applications Minor
	Applications Minor
	Major/Minor Unit
	Major/Minor Unit

Potential Careers:

Civil Engineer, Environmental Engineer.

Bachelor of Engineering (Civil) (EN40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056529D
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 $20160
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February and July
International Entry: February; July
QTAC code: 412502; Dfee: 412506
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 Jon Bunker
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Additional Admission Information

Applicants who are offered a place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to the CE44 Bachelor of Engineering (Civil).

Recommended Study

Chemistry, Maths C and Physics.

Career Outcomes

Civil engineers plan, design, construct, operate and maintain roads, bridges, dams, water supply schemes, sewerage systems, transportation, harbours, canals, dockyard facilities, airports, railways, factories and large buildings. Civil engineers may gain employment with Local, State and Commonwealth Governments, semi-government agencies, construction firms, power generating authorities, mining firms, property developers and consulting engineering firms. A small number are employed in research activities and teaching. After obtaining suitable experience there is also the opportunity to establish their own consulting engineering practice.

Overview

This course allows you to develop your knowledge in a number of areas such as: Structural Analysis and Design, Computer Applications, Transport Engineering, Environmental Engineering, Geotechnical Mechanics, Water Engineering, Construction Management, Waste Management. Environmental major; Sustainable development, waste management, toxic site rehabilitation, water & wastewater.

Professional Recognition

Professional accreditation from Engineers Australia will be sought

Minors

You will have the opportunity to undertaken two minors; a minor is four units (48
credit points) in the same discipline. For professional recognition you will undertake an Applications minor which consists of a Work Place Integrated Learning unit, a project unit and two specialised civil engineering units. The second minor may be taken from an approved list outside your discipline.

Mid-year Entry

This course is also offered as an accelerated program for mid-year entry students, in which the course can be completed in three and a half years full-time through attendance at the Summer Program.

Applicants who are offered place and eligible to receive 72 credit points (or more) of advanced standing will be admitted to the CE45 Bachelor of Engineering (Civil).

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Civil) must obtain at least 60 days of industrial experience/practice in an engineering environment as approved by the course coordinator.

Further Information

School of Urban Development - Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

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

Year 1 - Semester 1	
BEB100	Introducing Professional Learning
ENB101	Engineering Mechanics 1
ENB104	Engineering Materials

MAB131	Engineering Mathematics 1A
	OR
MAB180	Engineering Mathematics 1B

Year 1- Semester 2

BEB200	Introducing Sustainability
ENB102	Engineering Mechanics 2
ENB103	Electrical Engineering
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 2 - Semester 1

ENB271	Design of Structural Timber and Earthworks
ENB272	Geotechnical Engineering 1
ENB273	Civil Materials
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

ENB201	Fluid Mechanics
ENB274	Design of Environmentally Sustainable Systems
ENB275	Project Engineering 1
ENB276	Structural Engineering 1

Year 3 - Semester 1

ENB372	Design and Planning of Highways
ENB375	Structural Engineering 2
ENB378	Water Engineering
	Major/Minor Unit

Year 3 - Semester 2

ENB371	Geotechnical Engineering 2
ENB376	Transport Engineering
ENB377	Water and Waste Water Treatment Engineering
	Major/Minor Unit

Year 4 - Semester 1

BEB701	Work Integrated Learning 1
BEB801	Project 1
ENB471	Design of Concrete Structures and Foundations
	Applications Minor

Year 4 - Semester 2

ENB472	Project Engineering 2
	Applications Minor
	Major/Minor Unit
	Major/Minor Unit

Course structure - mid year entry

Year 1 - Semester 2

BEB200	Introducing Sustainability
ENB101	Engineering Mechanics 1
ENB103	Electrical Engineering
ENB104	Engineering Materials
MAB131	Engineering Mathematics 1A
	OR
MAB180	Engineering Mathematics 1B

Year 1 - Summer

ENB102	Engineering Mechanics 2
MAB182	Engineering Mathematics 2B

Year 2 - Semester 1

BEB100	Introducing Professional Learning
ENB271	Design of Structural Timber and Earthworks
ENB272	Geotechnical Engineering 1
ENB273	Civil Materials
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

Program is the same as February entry hereafter.

Potential Careers:

Civil Engineer, Environmental Engineer.

Bachelor of Engineering (Computer Systems) (EN40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056529D
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 $20160
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412502. Dfee: 412506
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

IMPORTANT: SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Additional Admission Information

Applicants who are offered place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to the EE46 Bachelor of Engineering (Computer Systems).

Recommended Study

Chemistry, Maths C and Physics.

Career Outcomes

Graduates will be employed as design engineers, software engineers, hardware engineers, computer system engineers, information systems engineers, research and development engineers and project managers.

Overview

Students will study units from both electrical engineering and computing from a computer-based systems perspective. The course aims to produce students who are employable as design engineers, software and hardware engineers, computer systems engineers, and information systems engineers.

Professional Recognition

Professional accreditation from Engineers Australia (EA) will be sought.

Optional Pathways

Students entering the Bachelor of Engineering (Electronics)/Bachelor of Information Technology course or the Bachelor of Engineering (Telecommunications) course can change to the Bachelor of Engineering (Computer Systems) at the end of the first year without loss of credit, subject to approval from the course coordinator and meeting minimum course requirements.

Special Course Requirements

Students must complete at least 60 days industrial experience in order to graduate.

Further Information

School of Engineering Systems - Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.com

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

Year 1 - Semester 1	
BEB100	Introducing Professional Learning
ITB001	Problem Solving and Programming
MAB131	Engineering Mathematics 1A
	OR
MAB180	Engineering Mathematics 1B
PCB136	Engineering Physics 1C

Year 1- Semester 2	
BEB200	Introducing Sustainability
ENB103	Electrical Engineering
ITB003	Object Oriented Programming
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 2 - Semester 1	
ENB240	Introduction To Electronics
ENB242	Introduction To Telecommunications
ITB711	Programming Abstraction

MAB233	Engineering Mathematics 3

Year 2 - Semester 2	
ENB243	Linear Circuits and Systems
ENB244	Microprocessors and Digital Systems
ENB245	Introduction To Design and Professional Practice
ITB006	Networks

Year 3 - Semester 1	
ENB301	instrumentation and Control
ENB342	Signals, Systems and Transforms
ENB350	Real-time Computer-based Systems
	IT Elective

Year 3 - Semester 2	
ENB345	Advanced Design and Professional Practice
ENB346	Digital Communications
ENB352	Communication Environments for Embedded Systems
ITB744	Computer Architecture

Year 4 - Semester 1	
BEB701	Work Integrated Learning 1
BEB801	Project 1
ENB441	Applied Image Processing
	IT Elective
	OR
ITB747	Real Time Rendering Techniques

Year 4 - Semester 2	
BEB802	Project 2
ENB448	Signal Processing and Filtering
ENB458	Modern Control Systems
ITB743	Artificial Intelligence

Potential Careers:

Computer Systems Engineer, Electrical and Computer Engineer, Systems Programmer.

Bachelor of Engineering (Electrical) (EN40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056529D
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 $20160
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February and July
International Entry: February; July
QTAC code: 412502; Dfee: 412506
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 Bouchra Senadji
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Additional Admission Information

Applicants who are offered a place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to the EE41 Bachelor of Engineering (Electrical and Computer Engineering).

Recommended Study

Chemistry, Maths C and Physics.

Career outcomes

Electrical engineers design, install and maintain electrical, electronic, telecommunications and computing systems. They may specialise as electrical power engineers, electrical design engineers, communications or computer engineers. Graduates find employment with electricity boards, government and semi-government departments, large manufacturing and engineering companies.

Overview

This degree offers a balanced mix of theory and practice with the objective of preparing graduates for the work environment. Students will receive a thorough grounding in the engineering sciences and hands-on, practical experience in real world problem solving and application of theory to suit industry needs.

Professional recognition

Professional accreditation from Engineers Australia (EA)will be sought.

Minors

You will have the opportunity to undertaken two minors; a minor is four units (48 credit points. For professional recognition you will undertake Applications minor which consists of a project unit and specialised engineering units. The second minor may be taken from an approved list. outside your discipline.

Mid-year Entry

This course is also offered as an accelerated program for mid-year entry students, in which the course can be completed in three and a half years full-time through attendance at the Summer Program.

Applicants who are offered place and eligible to receive 72 credit points (or more) of advanced standing will be admitted to the EE42 Bachelor of Engineering (Electrical and Computer Engineering).

Special Course Requirements

To graduate, students must complete at least 60 days industrial experience in an engineering environment which is approved by the course coordinator.

Further Information

School of Engineering Systems - Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.com

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

Year 1 - Semester 1	
BEB100	Introducing Professional Learning
ENB101	Engineering Mechanics 1
MAB131	Engineering Mathematics 1A
	OR
MAB180	Engineering Mathematics 1B
PCB136	Engineering Physics 1C

Year 1- Semester 2	
BEB200	Introducing Sustainability

ENB103	Electrical Engineering
ENB104	Engineering Materials
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 2 - Semester 1

ENB240	Introduction To Electronics
ENB242	Introduction To Telecommunications
ENB246	Engineering Problem Solving
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

ENB241	Software Systems Design
ENB243	Linear Circuits and Systems
ENB244	Microprocessors and Digital Systems
ENB245	Introduction To Design and Professional Practice

Year 3 - Semester 1

ENB301	Instrumentation and Control
ENB340	Power Systems and Machines
ENB342	Signals, Systems and Transforms
ENB343	Fields Transmission and Propagation

Year 3 - Semester 2

ENB344	Industrial Electronics
ENB345	Advanced Design
ENB346	Digital Communications
	Major/Minor Unit

Year 4 - Semester 1

BEB801	Project 1
	Applications Minor
	Major/Minor Unit
	Major/Minor Unit

Year 4 - Semester 2

BEB701	Work Integrated Learning 1
BEB802	Project 2
	Applications Minor
	Major/Minor Unit

Course structure - mid year entry

Year 1 - Semester 2

BEB200	Introducing Sustainability
ENB101	Engineering Mechanics 1
ENB104	Engineering Materials
MAB131	Engineering Mathematics 1A
	OR
MAB180	Engineering Mathematics 1B
PCB136	Engineering Physics 1C

Year 1 - Summer

ENB103	Electrical Engineering
MAB182	Engineering Mathematics 2B

Year 2 - Semester 1

BEB100	Introducing Professional Learning
ENB240	Introduction To Electronics
ENB242	Introduction To Telecommunications
ENB246	Engineering Problem Solving
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

Program is the same as February entry hereafter.

Potential Careers:

Electrical and Computer Engineer, Electrical Engineer.

Bachelor of Engineering (Infomechatronics) (EN40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056529D
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 $20160
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412502; Dfee: 412506
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 Gary Chadwick
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Additional Admission Information

Applicants who are a offered place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to the ME40 Bachelor of Engineering (Infomechatronics).

Recommended Study

Chemistry, Maths C and Physics.

Career Outcomes

This leading edge degree provides graduates with the combined skills of mechanical engineering, electrical and electronic engineering and information technology to work in the high tech fields of automated systems and robotics for the design, development, construction and service of modern equipment and plant. Graduates from this degree may expect to find employment as consultants, project managers, designers, and maintenance and instrumentation engineers in a wide variety of work situations. The range of employment opportunities is diverse and extensive. Some typical examples of organisations may include: manufacturing plants of consumer products, computer peripherals manufacturers/maintenance companies, automobile manufacturing industries, large scale manufacturing/maintenance industries such as Boeing, instrumentation industries, communication companies, research organisations, food and food processing industries and software development companies.

Overview

This course bridges the three, traditionally separate, disciplines of Mechanical Engineering, Electrical and Electronic Engineering, and Computing and provides the combined skills required for the design, development, construction and service of modern systems and equipment. Advanced units emphasis the integration of knowledge and skills that impact on all aspects of the design, construction and service of modern computer controlled machines. In the final year a one-semester industry project will integrate and reinforce what has been learned through application in a real world setting.

Professional Recognition

Professional accreditation from Engineers Australia (EA) will be sought.

Special Course Requirements

Students must obtain at least 60 days of industrial work experience in an engineering environment approved by the course coordinator.

Minors

For professional recognition you will undertake an Applications minor which consists of a Work Place Integrated Learning unit, a project unit and two specialised engineering units.

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.

Further Information

School of Engineering Systems - Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.com

Course structure

Year 1 - Semester 1	
BEB100	Introducing Professional Learning
ITB849	Introduction To Technical Computing
MAB131	Engineering Mathematics 1A
	OR
MAB180	Engineering Mathematics 1B
PCB136	Engineering Physics 1C

Year 1- Semester 2	
ENB101	Engineering Mechanics 1
ENB103	Electrical Engineering
ENB104	Engineering Materials
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 2 - Semester 1	
ENB211	Dynamics
ENB231	Materials and Manufacturing 1
ENB240	Introduction To Electronics
ITB749	Scientific Programming

Year 2 - Semester 2	
BEB200	Introducing Sustainability
ENB102	Engineering Mechanics 2
ENB215	Fundamentals of Mechanical Design
ENB222	Thermodynamics 1

Year 3 - Semester 1	
ENB331	Materials and Manufacturing 2
ENB333	Operations Management
ENB340	Power Systems and Machines
MAB233	Engineering Mathematics 3

Year 3 - Semester 2	
ENB201	Fluid Mechanics
ENB243	Linear Circuits and Systems
ENB244	Microprocessors and Digital Systems
ENB334	Design for Manufacturing

Year 4 - Semester 1	
ENB301	Instrumentation and Control
ENB436	Mechatronics System Design
ITB847	Computational Intelligence for Control and Embedded Systems
	Applications Minor

Year 4 - Semester 2	
BEB701	Work Integrated Learning 1
BEB801	Project 1
BEB802	Project 2
ITB745	Operating Systems

Potential Careers:

Manufacturer, Mechanical Engineer.

Bachelor of Engineering (Mechanical) (EN40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056529D
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
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February and July
International Entry: February; July
QTAC code: 412502; Dfee: 412506
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 Gary Chadwick
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Additional Admission Information

Applicants who are offered place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to the ME41 Bachelor of Engineering (Mechnical).

Recommended Study

Chemistry, Maths C and Physics.

Career Outcomes

The Bachelor of Engineering (Mechanical) provides a sound education in the basic engineering sciences, synthesis and design, engineering management functions, and the social, economic and ethical aspects of engineering practice. Graduates from this degree may find employment in a variety of roles: consultant, project manager or technical adviser where they maybe involved in the operation of large, integrated energy-based plants such as mining, power stations, sugar factories, oil refineries etc. Others may work under the guidance of more experienced staff selecting equipment, installing and commissioning plants. Some graduates will go into design offices or manufacturing plants where they will be concerned principally with the logistics of production and the efficient management of people and systems.

Overview

This degree offers a balanced mix of theory and practice with the objective of preparing graduates for the work environment. Students will receive a thorough grounding in the engineering sciences and hands-on, practical experience in real world problem solving and application of theory to suit industry needs.

Professional Recognition

Professional accreditation from Engineers Australia (EA) will be sought.

Minors

You will have the opportunity to undertaken two minors; a minor is four units (48 credit points). For professional recognition you will undertake an Applications minor which consists of a Work Place Integrated Learning unit, a project unit and 2 specialised engineering units. The second minor may be taken from an approved list outside your discipline.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering (Mechanical) must complete at least 60 days of industrial experience/practice in an engineering environment approved by the course coordinator.

Mid-year Entry

This course is also offered as an accelerated program for mid-year entry students, in which the course can be completed in three and a half years full-time through attendance at the Summer Program.

Applicants who are offered place and eligible to receive 72 credit points (or more) of advanced standing will be admitted to the ME42 Bachelor of Engineering (Mechnical).

Further Information

School of Engineering Systems - Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.com

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

Year 1 - Semester 1	
BEB100	Introducing Professional Learning
ENB101	Engineering Mechanics 1
MAB131	Engineering Mathematics 1A

	OR
MAB180	Engineering Mathematics 1B
PCB136	Engineering Physics 1C

Year 1- Semester 2

ENB102	Engineering Mechanics 2
ENB103	Electrical Engineering
ENB104	Engineering Materials
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 2 - Semester 1

ENB105	Electrical and Computer Engineering
ENB211	Dynamics
ENB231	Materials and Manufacturing 1
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

BEB200	Introducing Sustainability
ENB201	Fluid Mechanics
ENB215	Fundamentals of Mechanical Design
ENB222	Thermodynamics 1

Year 3 - Semester 1

ENB301	Instrumentation and Control
ENB311	Stress Analysis
ENB316	Design of Machine Elements
ENB331	Materials and Manufacturing 2

Year 3 - Semester 2

ENB312	Dynamics of Machinery
ENB317	Design and Maintenance of Machinery
ENB321	Fluids Dynamics
	Major/Minor Unit

Year 4 - Semester 1

BEB801	Project 1
ENB421	Thermodynamics 2
	Applications Minor
	Major/Minor Unit

Year 4 - Semester 2

BEB701	Work Integrated Learning 1
BEB802	Project 2
	Major/Minor Unit
	Major/Minor Unit

Course structure - mid year entry

Year 1 - Semester 2

ENB101	Engineering Mechanics 1
ENB103	Electrical Engineering
ENB104	Engineering Materials
MAB131	Engineering Mathematics 1A
	OR
MAB180	Engineering Mathematics 1B
PCB136	Engineering Physics 1C

Year 1- Summer

ENB102	Engineering Mechanics 2
MAB182	Engineering Mathematics 2B

Year 2 - Semester 1

BEB100	Introducing Professional Learning
ENB105	Electrical and Computer Engineering
ENB211	Dynamics
ENB231	Materials and Manufacturing 1
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

BEB200	Introducing Sustainability
ENB201	Fluid Mechanics
ENB215	Fundamentals of Mechanical Design
ENB222	Thermodynamics 1

Year 3 - Semester 1

Program is the same as February entry hereafter.

Potential Careers:

Mechanical Engineer.

Bachelor of Engineering (Medical) (EN40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056388A
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 $20160
International Fees (per semester): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412502. Dfee: 412506
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 Gary Chadwick
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Additional Admission Information

Applicants who are offered a place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to the ME48 Bachelor of Engineering (Medical).

Recommended Study

Chemistry, Maths C and Physics.

Career Outcomes

Graduates from this degree may expect to find employment in hospitals as advisors to health and medical professionals, in firms concerned with the design, manufacture, supply and maintenance of medical, health and sporting equipment, occupational health agencies and in research institutions. In the early stages of their careers biomedical engineers might expect to be involved in the innovative use of technology, in the design of new devices and the assessment of appropriate engineering solutions to medical problems. More experienced biomedical engineers manage Biomedical Engineering Departments in hospitals and manufacturing companies and lead teams of engineers and technologists in the development of engineering solutions to improve health care.

Overview

This degree integrates physical, chemical, mathematical, and computational sciences and engineering principles to study human biology, medicine, human behaviour and health. It will provide you with the skills to design, manufacture, install, monitor and maintain medical and surgical equipment and to provide advice on engineering matters to medical and allied staff. Current issues such as total quality management and health legislation are also covered. In the final year, students undertake a design project in the biomedical field.

Professional Recognition

Professional accreditation from Engineers Australia (EA) will be sought.

Special Course Requirements

Students must obtain at least 60 days of industrial employment in an engineering environment approved by the course coordinator. Half of this experience must be in an industry related to Biomedical Engineering.

Minors

For professional recognition you will undertake an applications minor which consists of a workplace intergrated learning unit, a project unit and two specialised engineering units.

Further Information

School of Engineering Systems - Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.com

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

Year 1 - Semester 1	
ENB101	Engineering Mechanics 1
LSB131	Anatomy
MAB131	Engineering Mathematics 1A
	OR
MAB180	Engineering Mathematics 1B
PCB136	Engineering Physics 1C

Year 1- Semester 2	
ENB102	Engineering Mechanics 2

ENB103	Electrical Engineering
ENB104	Engineering Materials
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 2 - Semester 1

BEB100	Introducing Professional Learning
ENB211	Dynamics
ENB231	Materials and Manufacturing 1
LSB451	Human Physiology

Year 2 - Semester 2

BEB200	Introducing Sustainability
ENB201	Fluid Mechanics
ENB215	Fundamentals of Mechanical Design
ENB222	Thermodynamics 1

Year 3 - Semester 1

ENB105	Electrical and Computer Engineering
ENB311	Stress Analysis
ENB319	Biomedical Engineering Design
MAB233	Engineering Mathematics 3

Year 3 - Semester 2

ENB318	Biomedical Engineering Systems
ENB322	Biofluids
ENB335	Modelling and Simulation for Medical Engineers
ENB338	Biomaterials

Year 4 - Semester 1

BEB801	Project 1
ENB301	Instrumentation and Control
ENB432	Engineering Asset Management and Maintenance
	Applications Minor

Year 4 - Semester 2

BEB701	Work Integrated Learning 1
BEB802	Project 2
ENB437	Health Legislation in the Medical Environment
PCB605	Biomedical Instrumentation

Potential Careers:

Biomechanical Engineer, Biomedical Engineer, Mechanical Engineer.

Bachelor of Engineering (Telecommunications) (EN40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056529D
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 $20160
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412502; Dfee: 412506
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

IMPORTANT: SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Additional Admission Information

Applicants who are offered a place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to the EE47 Bachelor of Engineering (Telecommunications).

Recommended Study

Chemistry, Maths C and Physics.

Career Outcomes

Telecommunications engineers are involved in the design, planning, commissioning and monitoring of complex telecommunications networks and broadcasting equipment. As a result of the rapid increase in telecommunications technology, Australia currently faces a shortage of experienced telecommunications engineers. Prospective employers include all the major carrier companies such as Telstra, Optus, Vodaphone, as well as mobile phone manufacturers such as Voxson, Motorola and Nokia. Other prospective employers are electronic equipment manufacturers and private and government bodies involved in Information Technology (IT), Telecommunication design and development.

Overview

You will study a combination of units from Electrical Engineering, Computer Science, Software Engineering, Data Communications and Mathematics. Areas covered include innovative communications technologies including the Internet, wireless mobile communication systems, optical fibre communications, satellite communication systems ADSL and other fast modem technologies, Bluetooth and HDTV.

Professional Recognition

Professional accreditation from Engineers Australia (EA) will be sought.

Optional Pathways

If you enter the Bachelor of Engineering (Electrical)/Bachelor of Information Technology course or the Bachelor of Engineering (Computer Systems) course, subject to the approval of the course coordinator, and if you meet the minimum course requirements you can apply to change to the Bachelor of Engineering (Telecommunications) at the end of the first year without loss of credit.

Special Course Requirements

To graduate you must complete at least 60 days of approved industrial experience in an engineering environment.

Further Information

School of Engineering Systems - Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.com

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

Year 1 - Semester 1	
BEB100	Introducing Professional Learning
ITB001	Problem Solving and Programming
MAB131	Engineering Mathematics 1A
	OR
MAB180	Engineering Mathematics 1B
PCB136	Engineering Physics 1C

Year 1- Semester 2	
BEB200	Introducing Sustainability

ENB103	Electrical Engineering
ITB003	Object Oriented Programming
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 2 - Semester 1

ENB240	Introduction To Electronics
ENB242	Introduction To Telecommunications
ITB006	Networks
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

ENB243	Linear Circuits and Systems
ENB244	Microprocessors and Digital Systems
ENB245	Introduction To Design and Professional Practice
ITB711	Programming Abstraction

Year 3 - Semester 1

ENB301	instrumentation and Control
ENB342	Signals, Systems and Transforms
ENB343	Fields Transmission and Propagation
ITB720	Internet Protocols and Services

Year 3 - Semester 2

BEB701	Work Integrated Learning 1
ENB345	Advanced Design and Professional Practice
ENB346	Digital Communications
	IT Elective

Year 4 - Semester 1

BEB801	Project 1
ENB440	RF and Applied Electromagnetics
ITB723	Wireless and Mobile Devices
ITB732	Cryptology and Protocols

Year 4 - Semester 2

BEB802	Project 2
ENB445	RF Communication Technologies
ENB446	Wireless Communications
ENB448	Signal Processing and Filtering

Potential Careers:

Electrical and Computer Engineer, Electrical Engineer.

Bachelor of Engineering - Dean's Scholars Program (EN40)

Year offered: 2007
Admissions: Yes
CRICOS code: As per course of study
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 $6,861
International Fees (per semester): 2007:$10,000 - $10,500 per semester as per course of study *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412052
Past rank cut-off: 99 plus successful questionnaire. Please refer to Additional Entry Requirements.
Past OP cut-off: 1 plus successful questionnaire. Please refer to Additional Entry Requirements.
Assumed knowledge: English (4, SA) and Maths B (4, SA)
Total credit points: 384
Course coordinator: Dr R.Mahalinga-Iyer
Campus: Gardens Point

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

Engineering Dean's Scholars applicants are required to complete a 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**.

Recommended Study

Chemistry, Maths C and Physics.

Course Structure

The Dean's Scholars Program is an accelerated program designed specifically for students with an OP 1, or equivalent year 12 results, who have also been involved in extra curricular, community service or other activities. The Program provides the opportunity to complete a Bachelor of Engineering and a Master of Engineering Science in four to four and a half years. Students have the option of exiting after the Bachelor of Engineering (three and a half years). To be eligible to enrol in the Masters program, students must have achieved an overall grade point average of 5.5 in the Bachelor of Engineering.

Students can choose to complete one out of nine Bachelor of Engineering programs. This does not include the Bachelor of Engineering (Aerospace Avionics) and Bachelor of Engineering (Software Engineering).

Industry Sponsors

ESSO and Mobil
Visy Paper
EGR Group
Brisbane City Council
Bovis Lend Lease
CIEAM
Thiess

Special Course Requirements

Students enrolled in the Dean's Scholars program must maintain a GPA of 5.5 throughout their course. For a copy of the program rules and regulations please contact the Faculty Office or www.bee.qut.edu.au/bee/scholarships

Students must complete at least 60 days of industrial experience in order to graduate.

Domestic Student Fees

Students who enrol will receive a full scholarship that includes payment of all undergraduate Higher Education Contribution Scheme (HECS) monies for the bachelor program. Students who attain a grade point average of 5.5 or above in their QUT studies and wish to continue to the Masters of Engineering accelerated program will receive further scholarship benefits, being the full payment of the course fees for the masters program.

International Student Fees

International students eligible for a Queensland OP, who are successful in gaining entry and enrol will receive a scholarship, which will partially cover their tuition fees. The Faculty will pay one third of the tuition fee and the student will be responsible for two thirds of the tuition fee and the Student Guild fees. Students who complete their degree with a course GPA of 5.5 or above and accept an offer to continue to the Master of Engineering accelerated program will receive further scholarship benefits: payment of the one third of the tuition fees for the masters program.

Deferment

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

Further Information

The Faculty of Built Environment and Engineering Phone + 61 7 3864 4039, Fax + 61 7 3864 5280, email: bee.enquiries@qut.com

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.

Civil - Dean's Scholars Course Structure

Programme for students who commence 2006 onwards.

See EN40 Bachelor of Engineering (Civil) course structure.

If as a Dean's Scholar, you wish to accelerate your program, please consult with the Course Coordinator.

Programme for continuing students who commenced prior to 2006.

Year 3 - Semester 1

CEB318	Structural Engineering 2
CEB412	Project Engineering 2
CEB424	Professional Studies 6 (Concrete Structures and Geotechnical Engineering)
MAB138	Engineering Statistics and Numerical Methods

Year 3 - Semester 2

CEB323	Transport Engineering 1
CEB329	Professional Studies 5 (Steel Design & Construction)
CEB413	Structural Engineering 3
CEB425	Professional Studies 7 (Civil Design Project)

Year 3 - Summer Program

CEB411	Thesis Project A
	Master of Engineering Science unit (non-Civil approved by course coordinator)

Year 4 - Semester 1

CEB415	Thesis Project B
	Master of Engineering Science unit
	Master of Engineering Science unit
	Master of Engineering Science unit

Year 4 - Semester 2

CEP997-1	Project B
CEP997-2	Project B
	Master of Engineering Science unit
	Master of Engineering Science unit
	Students must complete 60 days industrial experience before. graduating

Electives

See Master of Engineering Science units under CE74 course structure

Civil and Environmental Management - Dean's Scholars Course Structure

Programme for students who commence 2006 onwards.

See EN40 Bachelor of Engineering (Civil & Environmental Management) course structure.

If as a Dean's Scholar, you wish to accelerate your program, please consult with the Course Coordinator.

Programme for continuing students who commenced prior to 2006.

Year 3 - Semester 1

CEB416	Environmental Law and Assessment
CEB419	Environmental Transport and Infrastructure Management
CEB523	Environmental Geotechnology
MAB138	Engineering Statistics and Numerical Methods

Year 3 - Semester 2

CEB330	Environmental Management for Engineers
CEB418	Waste Resource Management
CEB426	Environmental Professional Studies (Civil Project)
UDB164	Population and Urban Studies

Year 3 - Summer

CEB420	Environmental Thesis Project A
	Master of Engineering Science unit (non-Civil approved by course coordinator)

Year 4 - Semester 1

CEB415	Thesis Project B
	OR Elective
DBP407	Environmental Planning and Management
PSP453	Urban Systems and the Physical Environment
	Master of Engineering Science unit

Year 4 - Semester 2

CEP997-1	Project B
CEP997-2	Project B
	Master of Engineering Science unit
	Master of Engineering Science unit

Electives

See Master of Engineering Science units under CE74 Course Structure

Electrical and Computer Engineering - Dean's Scholars Course Structure

Programme for students who commence 2006 onwards.

See EN40 Bachelor of Engineering (Electrical) course structure.

If as a Dean's Scholar, you wish to accelerate your program, please consult with the Course Coordinator.

Programme for continuing students who commenced prior to 2006.

Year 3 - Semester 1	
EEB511	Modern Control and Power Electronics
EEB512	Industrial Electronics and Digital Design
EEB560	Digital Communications
EEB781	Professional Studies 2
	General Elective

Year 3 - Semester 2	
EEB612	Software Systems Design
EEB641	Fields Transmission and Propagation
EEB684	Advanced Design
EEB640	Digital Signal Processing
	or
EEB650	Power Systems Analysis
	Master of Engineering Science unit

Year 3 - Summer Program	
EEB889-1	Project
EEB889-2	Project

Year 4 - Semester 1	
	Elective unit (Technical)
	Elective unit (Technical)
	Master of Engineering Science unit
	Master of Engineering Science unit
	[Units contributing to the undergraduate program are completed at this point. The remaining units complete the Masters component of the program.]
EEP301-1	Project

Year 4 - Semester 2	
EEP301-2	Project
	Master of Engineering Science unit
	Master of Engineering Science unit
	Master of Engineering Science unit

Electives
See list under EE41 Course Structure

Master of Engineering Science Units

Semester 1	
EEP101	Algorithms for Control and Engineering
EEP102	Unix and C for Engineers
EEP103	Computer Hardware and Interfacing
EEP124	Data Communications

Semester 2	
EEP120	Networks and Distributed Computing
EEP123	Process Control and Robotics
EEP127	Advanced Topic B
EEP129	Image Processing and Computer Vision

Computer Systems - Dean's Scholars Course Structure

Programme for students who commence 2006 onwards.
See EN40 Bachelor of Engineering (Computer Systems) course structure.
If as a Dean's Scholar, you wish to accelerate your program, please consult with the Course Coordinator.

Programme for continuing students who commenced prior to 2006.

Year 3 - Semester 1	
EEB512	Industrial Electronics and Digital Design
EEB560	Digital Communications
EEB566	Real-Time Computer-Based Systems
EEB781	Professional Studies 2

Year 3 - Semester 2	
EEB612	Software Systems Design
EEB640	Digital Signal Processing
EEB666	Communication Environments for Embedded Systems
EEB684	Advanced Design
	Master of Engineering Science Unit 1

Year 3 - Summer	
EEB889-1	Project
EEB889-2	Project

Year 4 - Semester 1	
	Elective Unit 1
	Elective Unit 2
	Master of Engineering Science Unit 2
	null
	[Units contributing to the undergraduate program are completed at this point. The remaining units complete the Masters component of the program.]
	null
EEP301-1	Project
	Master of Engineering Science Unit 3

Year 4 - Semester 2	
EEP301-2	Project
	Master of Engineering Science Unit 4
	Master of Engineering Science Unit 5
	Master of Engineering Science Unit 6

Electives
See list under EE46 course structure

Master of Engineering Science Units

Semester 1	
EEP101	Algorithms for Control and Engineering
EEP102	Unix and C for Engineers
EEP103	Computer Hardware and Interfacing
EEP124	Data Communications

Semester 2	
EEP120	Networks and Distributed Computing
EEP123	Process Control and Robotics
EEP127	Advanced Topic B
EEP129	Image Processing and Computer Vision

Telecommunications Dean's Scholars Course Structure

Programme for students who commence 2006 onwards.

See EN40 Bachelor of Engineering (Telecommunications) course structure.

If as a Dean's Scholar, you wish to accelerate your program, please consult with the Course Coordinator.

Programme for continuing students who commenced prior to 2006.

Year 3 - Semester 1	
EEB560	Digital Communications
EEB781	Professional Studies 2
ITB720	Internet Protocols and Services
ITB723	Wireless and Mobile Devices
	Elective Unit 1

Year 3 - Semester 2	
EEB640	Digital Signal Processing
EEB641	Fields Transmission and Propagation
EEB684	Advanced Design
EEB960	Wireless Communications

Year 3 - Summer	
EEB889-1	Project
EEB889-2	Project

Year 4 - Semester 1	
EEB766	RF Communication Technologies
	Master of Engineering Science Unit 1
	Master of Engineering Science Unit 2
	null
	[Units contributing to the undergraduate program are completed at this point. The remaining units complete the Masters component of the program.]
	null
EEP301-1	Project
	Master of Engineering Science Unit 3

Year 4 - Semester 2	
EEP301-2	Project
	Master of Engineering Science Unit 4
	Master of Engineering Science Unit 5
	Master of Engineering Science Unit 6

Master of Engineering Science Units

Semester 1	
EEP101	Algorithms for Control and Engineering
EEP102	Unix and C for Engineers
EEP103	Computer Hardware and Interfacing
EEP124	Data Communications

Semester 2	
EEP120	Networks and Distributed Computing
EEP123	Process Control and Robotics
EEP127	Advanced Topic B
EEP129	Image Processing and Computer Vision

Infomechatronics - Dean's Scholars Course Structure

Programme for students who commence 2006 onwards.

See EN40 Bachelor of Engineering (Infomechatronics) course structure.

If as a Dean's Scholar, you wish to accelerate your program, please consult with the Course Coordinator.

Programme for continuing students who commenced prior to 2006.

Year 3 - Semester 1	
EEB521	Digital Systems and Control
MEN101	Research Methodology
MMB211	Mechanics 1
MMB371	Manufacturing Processes

Year 3 - Semester 2	
ITB745	Operating Systems
MEN102	Advanced Mechanical Engineering Studies
MMB212	Mechanics 2
MMB374	Design for Manufacturing 1
MMB376	Professional Practice (Engineering Management)

Year 3 - Summer Program	
MEN103	Mechanical Engineering Specialised Unit 1
	1 Masters unit from Band 1 or 2

Year 4 - Semester 1	
ITB742	Computational Intelligence
MMB004	Infomechatronics Project
MMB478	Mechatronics System Design

Year 4 - Semester 2

MEN190-1 Project

MEN190-2 Project

2 Masters units from Band 1 or 2

Students not intending to undertake the Masters course, please consult the Course Coordinator.

Band 1 Masters units

null

Band 1 units - Semester 1

CEP201 Process Modelling

CEP291 Environmental Law and Assessment

CEP294 Engineering Contract Development and Administration

EEP101 Algorithms for Control and Engineering

EEP102 Unix and C for Engineers

EEP103 Computer Hardware and Interfacing

Band 1 units - Semester 2

CEP141 Studies in Environmental Engineering

CEP295 Civil Engineering Management in a Project Environment

EEP129 Image Processing and Computer Vision

Band 1 units - Block mode#

MEN170 Systems Modelling and Simulation

MEN172 Cost Analysis and Asset Management

MEN280 Engineering Project Management

Band 2 Masters units

null

Band 2 units - Block mode#

MEN171 Advanced Manufacturing Technologies

MEN175 Energy and Environmental Management

MEN177 Total Quality Management

MEN241 Reliability and Maintenance Management

MEN272 Enterprise Resources Planning

MEN273 Engineering Knowledge Management

Band 2 units - Semester 1, 2 or 3

MEN103 Mechanical Engineering Specialised Unit 1

MEN104 Mechanical Engineering Specialised Unit 2

MEN105 Mechanical Engineering Specialised Unit 3

Students must consult with the course coordinator before enrolling in MEN103, 104 or 105.

#Block mode

Block mode classes are held in teaching periods (eg. 5TP1), instead of semesters, which run consecutively for 5 weeks at a time. Classes are held on Tuesday and Thursday from 4pm to 8pm, and Saturday from 9am to 5pm in the first two weeks of a teaching period.

Contact School of Engineering Systems for further information.

Mechanical - Dean's Scholars Course Structure

Programme for students who commence 2006 onwards.

See EN40 Bachelor of Engineering (Mechanical) course structure.

If as a Dean's Scholar, you wish to accelerate your program, please consult with the Course Coordinator.

Programme for continuing students who commenced prior to 2006.

Year 3 - Semester 1

MMB311 Mechanics 3

MMB352 Fluid Mechanics

MMB381 Design of Mechanical Components and Machines

MEN101 Research Methodology

Group A or B elective

Year 3 - Semester 2

MEN102 Advanced Mechanical Engineering Studies

MMB351 Thermodynamics

MMB376 Professional Practice (Engineering Management)

MMB382 Design and Maintenance

Group A or B elective

Year 3 - Summer Program

MMB401-1 Project

MMB401-2 Project

Year 4 - Semester 1

Group A elective

2 Masters units from Band 1 or 2

Year 4 - Semester 2

MEN190-1 Project

MEN190-2 Project

2 Masters units from Band 1 or 2

Masters units

See list under ME40 Infomechatronics Dean's Scholars Course Structure

Medical - Dean's Scholars Course Structure

Programme for students who commence 2006 onwards.

See EN40 Bachelor of Engineering (Medical) course structure.

If as a Dean's Scholar, you wish to accelerate

your program, please consult with the Course Coordinator.

Programme for continuing students who commenced prior to 2006.

Year 3 - Semester 1

EEB220	Electrical Engineering 2M
MMB311	Mechanics 3
MMB391	Biomechanical Engineering Systems
MMB470	Engineering Asset Management and Maintenance
MEN101	Research Methodology

Year 3 - Semester 2

MMB292	Biomaterials
	even years only
	or
MMB362	Biofluids
	odd years only
MMB376	Professional Practice (Engineering Management)
MMB392	Bioengineering Design 2
MMB492	Health Legislation and the Medical Environment
PCB605	Biomedical Instrumentation

Year 3 - Summer Program

MMB409-1	Project
	1 Masters unit
	(Students may choose from MEN103, MEN104, MEN105 or a Masters level unit from another Faculty approved by the Course Coordinator.)

Year 4 - Semester 1

MMB409-2	Project
	2 Masters units from Band 1 or 2

Year 4 - Semester 2

MEN102	Advanced Mechanical Engineering Studies
MEN190-1	Project
MEN190-2	Project
	1 Masters units from Band 1 or 2

Masters units

See list under ME40 Infomechatronics Dean's Scholars Course Structure

Potential Careers:

Bioengineer, Biomechanical Engineer, Biomedical Engineer, Civil Engineer, Computer Systems Engineer, Data Communications Specialist, Electrical and Computer Engineer, Electrical Engineer, Environmental Engineer, Manager, Mechanical Engineer, Medical Biotechnologist, Medical Engineer, Rehabilitation Engineer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer.

Bachelor of Engineering (Electrical)/ Bachelor of Mathematics (IF21)

Year offered: 2007
Admissions: Yes
CRICOS code: 020329J
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: Full fee tuition $20,160; CSP $6,881
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 419572; Dfee: 419576
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 Data Analysis for Business 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: 480
Standard credit points per full-time semester: 48
Course coordinator: Dr R.Mahalinga-Iyer (Engineering); Dr Graeme Pettet (Mathematics)
Discipline coordinator: Dr Ed Palmer (Engineering)
Campus: Gardens Point

Career Opportunities

Electrical and computer engineers design, install and maintain electrical, electronic, telecommunications and computing systems on behalf of government and private companies. A stronger training in mathematics and statistics enhances capabilities in modelling, analysis and design.

Recommended study

Chemistry, Maths C and Physics are recommended.

Overview

The program integrates both the engineering and mathematics degree. Mathematics and engineering have always had close connections, but recent advancement in mathematics and statistics are increasingly being used to help solve complex engineering problems.

Special Course Requirements

A candidate for this course must obtain at least 60 days of industrial experience in an engineering environment approved by the course coordinator.

Professional Recognition

This degree meets the requirements for membership of Engineers Australia, and the coursework requirements for accredited graduate membership of the Australian Mathematical Society. Students may also become a member of the Statistical Society of Australia.

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

Electrical Coordinator
Dr Ed Palmer
Email: bee.enquiries@qut.com

Mathematics Coordinator
Dr Graeme Pettet
Phone: +61 7 3138 5238
Email: g.pettet@qut.edu.au

Further information

Phone +61 7 3138 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.com

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 both Senior Mathematics B and Senior Mathematics C (or equivalent) with an exit assessment of at least Sound Achievement in both subjects.

null

Year 1, Semester 1	
BEB100	Introducing Professional Learning
MAB111	Mathematical Sciences 1B
MAB112	Mathematical Sciences 1C
PCB136	Engineering Physics 1C

Year 1, Semester 2	
ENB101	Engineering Mechanics 1
ENB103	Electrical Engineering
MAB101	Statistical Data Analysis 1
MAB210	Statistical Modelling 1

Year 2, Semester 1

ENB240	Introduction To Electronics
ENB246	Engineering Problem Solving
MAB220	Computational Mathematics 1
MAB311	Advanced Calculus

Year 2, Semester 2

ENB243	Linear Circuits and Systems
ENB244	Microprocessors and Digital Systems
MAB413	Differential Equations
	Mathematics elective (Level 2 or 3)

Year 3, Semester 1

EEB311	Electrical Measurement and Machines
EEB560	Digital Communications
MAB312	Linear Algebra
MAB314	Statistical Modelling 2

Year 3, Semester 2

EEB411	Classical Control and Power Systems
EEB640	Digital Signal Processing
MAB420	Computational Mathematics 2
MAB480	Introduction to Scientific Computation

Year 4, Semester 1

EEB511	Modern Control and Power Electronics
EEB584	Introduction to Design
	Electrical Engineering elective
	Mathematics elective (Level 3)

Year 4, Semester 2

EEB684	Advanced Design
	Electrical Engineering elective
MAB414	Applied Statistics 2
	Mathematics elective (Level 3)

Year 5, Semester 1

EEB889-1	Project
	Electrical Engineering elective
	Electrical Engineering elective
	Mathematics elective (Level 3)

Year 5, Semester 2

EEB889-2	Project
	Electrical Engineering elective
	Electrical Engineering elective
	Mathematics elective (Level 3)

Course structure - For students with fours 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.
null

Year 1, Semester 1

BEB100	Introducing Professional Learning
MAB100	Mathematical Sciences 1A
MAB101	Statistical Data Analysis 1
PCB136	Engineering Physics 1C

Year 1, Semester 2

ENB101	Engineering Mechanics 1
ENB103	Electrical Engineering
MAB111	Mathematical Sciences 1B
MAB112	Mathematical Sciences 1C

Year 2, Semester 1

ENB240	Introduction To Electronics
ENB246	Engineering Problem Solving
MAB220	Computational Mathematics 1
MAB311	Advanced Calculus

Year 2, Semester 2

ENB243	Linear Circuits and Systems
ENB244	Microprocessors and Digital Systems
MAB210	Statistical Modelling 1
MAB413	Differential Equations

Year 3, Semester 1

EEB311	Electrical Measurement and Machines
EEB560	Digital Communications
MAB312	Linear Algebra
MAB314	Statistical Modelling 2

Year 3, Semester 2

EEB411	Classical Control and Power Systems
EEB640	Digital Signal Processing
MAB420	Computational Mathematics 2
MAB480	Introduction to Scientific Computation

Year 4, Semester 1

EEB511	Modern Control and Power Electronics
EEB584	Introduction to Design
	Electrical Engineering elective
	Mathematics elective (Level 3)

Year 4, Semester 2

EEB684	Advanced Design
	Electrical Engineering elective
MAB414	Applied Statistics 2
	Mathematics elective (Level 3)

Year 5, Semester 1

EEB889-1 Project

Electrical Engineering elective

Electrical Engineering elective

Mathematics elective (Level 3)

Year 5, Semester 2

EEB889-2 Project

Electrical Engineering elective

Electrical Engineering elective

Mathematics elective (Level 3)

Electrical Engineering Elective Units

EEB512	Industrial Electronics and Digital Design
EEB612	Software Systems Design
EEB641	Fields Transmission and Propagation
EEB650	Power Systems Analysis
EEB911	Electrical Energy Systems
EEB941	Modern Signal Processing
EEB960	Wireless Communications
EEB961	RF and Applied Electromagnetics
EEB976	Advanced Industrial Electronics
EEB992	VLSI Circuits and Systems

Not all electives may be offered. At the discretion of the course coordinator, students may be allowed to select an elective from any advanced topics offered by the University. Also potential honours students may, with the approval of the course coordinator, select an elective from the postgraduate degree courses offered by the School of Engineering Systems.

Mathematics Electives (Level 2)

MAB315	Operations Research 2
MAB422	Mathematical Modelling

Mathematics Electives (Level 3)

Four units required:

MAB521	Applied Mathematics 3
MAB522	Computational Mathematics 3
MAB523	Introduction to Quality Management
MAB524	Statistical Inference
MAB526	Statistical Science 3
MAB613	Partial Differential Equations
MAB621	Discrete Mathematics
MAB624	Applied Statistics 3
MAB672	Advanced Mathematical Modelling

NOTES:

- For students commencing in 2004 onwards, the units MAB523 Introduction to Quality Management and MAB621 Discrete Mathematics do not contribute to the mandatory 48 credit points minimum from Level 3 Mathematics units. This does not apply to students who commenced prior to 2004.

- Some deviations from the above course structure may be possible with the permission of the course coordinator. This is more likely to apply in the later years than the earlier years of the course.

Potential Careers:

Electrical and Computer Engineer, Electrical Engineer, Mathematician, Statistician.

Bachelor of Engineering (Electrical)/Bachelor of Business (IF28)

Year offered: 2007
Admissions: Yes
CRICOS code: 027278C
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: Full fee tuition $20,160; CSP $6,889
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 419532; Dfee: 419536
Past rank cut-off: 80. Dfee places were not offered last year.
Past OP cut-off: 10. 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 Data Analysis for Business 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: 480
Standard credit points per full-time semester: 48 (average)
Course coordinator: Dr R.Mahalinga-Iyer (Engineering); Mr Andrew Paltridge (Business)
Discipline coordinator: Dr Ed Palmer (Engineering); 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

Recommended Study

Chemistry, Maths C and Physics are recommended.

Career Outcomes

Electrical and computer engineers design, install and maintain electrical, electronic, telecommunications and computing systems on behalf of governments and private companies. Graduates of the Bachelor of Business are skilled in many aspects of business including: accountancy, advertising, banking and finance, economics, electronic business, human resource management, international business, management, marketing and public relations.

Overview

Students combine engineering knowledge in electronics, computer systems, telecommunications and electric power with a business course majoring in one or more of accountancy, advertising, banking and finance, economics, electronic business, human resource management, international business, management, marketing or public relations.

Professional Recognition

This degree meets the requirements for membership of Engineers Australia and the Institution of Radio and Electronics Engineers Australia.

The Bachelor of Business degree may, subject to choice of major, extended major, or specialisation, allow graduates to satisfy the academic requirements for membership of: CPA Australia; Institute of Chartered Accountants in Australia; Chartered Secretaries Australia; Advertising Federation of Australia; Australian Association of National Advertisers; Australian Direct Marketing Association; Queensland Commercial Radio Association; Financial Services Institute of Australasia (FINSIA); Economics Society of Australia; Australian Human Resources Institute; Australian Institute of Management; Australian Institute of Training and Development; Australian Institute of Export; Australian Institute of Management; Australian Marketing Institute; Marketing Research Society of Australia; Australian Institute of Management; American Marketing Association and Public Relations Institute of Australia.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial employment/practice in an engineering environment approved by the course coordinator, before graduating.

Course Design

Students are required to complete 480 credit points comprised of 252 credit points from the Bachelor of Engineering (Electrical & Computer Engineering) program and 192 credit points from the Bachelor of Business program. Students supplement the engineering component of this program with the 84* credit point Faculty Core units in the Bachelor of Business program together with a 72 credit point Major in one of the following: Accountancy, Advertising, Banking & Finance, Economics, Electronic Business, Human Resource Management, International Business, Management, Marketing or Public Relations, as well as a further 72 credit points in which the student must complete one of the following: Double Major, Extended Major or Specialisation.

Further Information

Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.edu.au
Faculty of Business Phone +61 7 3864 2050, Fax +61 7 3864 1537, email bus@qut.edu.au

Discontinuation

Students should note that from Semester 1, 2007 this course has been renamed and recoded to IX28 Bachelor of Business/Bachelor of Engineering. Therefore, there will be no further intake into this course, however, students who are currently enrolled, or have already been made an offer into this current course for 2007, are able to remain enrolled in it.

For course structure information on the new course, please refer to the new 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.

Course structure - Accountancy

Year 1, Semester 1	
BEB100	Introducing Professional Learning
BSB110	Accounting
BSB113	Economics
MAB180	Engineering Mathematics 1B
	OR
MAB131	Engineering Mathematics 1A
	MAB180 Engineering Mathematics 1 is to be taken by those students not obtaining a SA or better in Queensland Mathematics C

Year 1, Semester 2	
BSB111	Business Law and Ethics
BSB122	Quantitative Analysis and Finance
ENB103	Electrical Engineering
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 2, Semester 1	
ENB240	Introduction To Electronics
ENB246	Engineering Problem Solving
MAB233	Engineering Mathematics 3
PCB136	Engineering Physics 1C

Year 2, Semester 2	
ENB243	Linear Circuits and Systems
BSB115	Management, People and Organisations
BSB119	International and Electronic Business
EFB101	Data Analysis for Business

Year 3, Semester 1	
BSB126	Marketing
	Business Double Major / Extended Major / Specialisation Unit
EEB311	Electrical Measurement and Machines
ENB240	Introduction To Electronics

Year 3, Semester 2	
AYB121	Financial Accounting
AYB221	Computerised Accounting Systems
EEB411	Classical Control and Power Systems
ENB244	Microprocessors and Digital Systems

Year 4, Semester 1	
EEB584	Introduction to Design
	Electrical and Computer Engineering elective unit
AYB220	Company Accounting
	Business Double Major / Extended Major / Specialisation Unit

Year 4, Semester 2	
EEB684	Advanced Design
	Electrical and Computer Engineering elective unit
AYB225	Management Accounting
	Business Double Major / Extended Major / Specialisation Unit

Year 5, Semester 1	
EEB889-1	Project
	Electrical and Computer Engineering elective unit
AYB301	Auditing
	Business Double Major / Extended Major / Specialisation Unit

Year 5, Semester 2	
EEB889-2	Project
	Electrical and Computer Engineering elective unit
	Business Double Major / Extended Major / Specialisation Unit
	Business Double Major / Extended Major / Specialisation Unit

Business Units	
	Students should refer to the BS56 Course Notes entry for information on double major/extended major/specialisation units

Course structure - Advertising

Year 1, Semester 1	
BEB100	Introducing Professional Learning
BSB119	International and Electronic Business
BSB126	Marketing
MAB180	Engineering Mathematics 1B
	OR
MAB131	Engineering Mathematics 1A
	MAB180 Engineering Mathematics 1 is to be taken by those students not obtaining a SA or

better in Queensland Mathematics C

Year 1, Semester 2

AMB200 Consumer Behaviour
AMB220 Advertising Theory and Practice
ENB103 Electrical Engineering
MAB132 Engineering Mathematics 2A
OR
MAB182 Engineering Mathematics 2B

Year 2, Semester 1

ENB240 Introduction To Electronics
ENB246 Engineering Problem Solving
MAB233 Engineering Mathematics 3
PCB136 Engineering Physics 1C

Year 2, Semester 2

ENB243 Linear Circuits and Systems
AMB221 Advertising Copywriting
AMB222 Media Planning
BSB115 Management, People and Organisations

Year 3, Semester 1

BSB113 Economics
Business Double Major / Extended Major / Specialisation Unit
EEB311 Electrical Measurement and Machines
ENB240 Introduction To Electronics

Year 3, Semester 2

BSB114 Government, Business and Society
Business Double Major / Extended Major / Specialisation Unit
EEB411 Classical Control and Power Systems
ENB244 Microprocessors and Digital Systems

Year 4, Semester 1

EEB584 Introduction to Design
Electrical and Computer Engineering elective unit
AMB320 Advertising Management
Business Double Major / Extended Major / Specialisation Unit

Year 4, Semester 2

EEB684 Advanced Design
Electrical and Computer Engineering elective unit
AMB321 Advertising Campaigns
Business Double Major / Extended Major / Specialisation Unit

Year 5, Semester 1

EEB889-1 Project
Electrical and Computer Engineering elective unit
BSB111 Business Law and Ethics
Business Double Major / Extended Major / Specialisation Unit

Year 5, Semester 2

EEB889-2 Project
Electrical and Computer Engineering elective unit
BSB110 Accounting
Business Double Major / Extended Major / Specialisation Unit

Business Units

Students should refer to the BS56 Course Notes entry for information on double major/extended major/specialisation units

Course structure - Banking & Finance

Year 1, Semester 1

BEB100 Introducing Professional Learning
BSB113 Economics
BSB115 Management, People and Organisations
MAB180 Engineering Mathematics 1B
OR
MAB131 Engineering Mathematics 1A
MAB180 Engineering Mathematics 1 is to be taken by those students not obtaining a SA or better in Queensland Mathematics C

Year 1, Semester 2

BSB122 Quantitative Analysis and Finance
EFB102 Economics 2
ENB103 Electrical Engineering
MAB132 Engineering Mathematics 2A
OR
MAB182 Engineering Mathematics 2B

Year 2, Semester 1

ENB240 Introduction To Electronics
ENB246 Engineering Problem Solving
MAB233 Engineering Mathematics 3
PCB136 Engineering Physics 1C

Year 2, Semester 2

ENB243 Linear Circuits and Systems
BSB110 Accounting
BSB119 International and Electronic Business
EFB101 Data Analysis for Business

Year 3, Semester 1

BSB126 Marketing

EFB210 Finance 1

EEB311 Electrical Measurement and Machines

ENB240 Introduction To Electronics

Year 3, Semester 2

BSB111 Business Law and Ethics

EFB307 Finance 2

EEB411 Classical Control and Power Systems

ENB244 Microprocessors and Digital Systems

Year 4, Semester 1

EEB584 Introduction to Design

Electrical and Computer Engineering elective unit

EFB201 Financial Markets

Business Double Major / Extended Major / Specialisation Unit

Year 4, Semester 2

EEB684 Advanced Design

Electrical and Computer Engineering elective unit

EFB312 International Finance

Business Double Major / Extended Major / Specialisation Unit

Year 5, Semester 1

EEB889-1 Project

Electrical and Computer Engineering elective unit

Business Double Major / Extended Major / Specialisation Unit

Business Double Major / Extended Major / Specialisation Unit

Year 5, Semester 2

EEB889-2 Project

Electrical and Computer Engineering elective unit

Business Double Major / Extended Major / Specialisation Unit

Business Double Major / Extended Major / Specialisation Unit

Business Units

Students should refer to the BS56 Course Notes entry for information on double major/extended major/specialisation units

Course structure - Economics

Year 1, Semester 1

BEB100 Introducing Professional Learning

BSB113 Economics

BSB115 Management, People and Organisations

MAB180 Engineering Mathematics 1B

OR

MAB131 Engineering Mathematics 1A

MAB180 Engineering Mathematics 1 is to be taken by those students not obtaining a SA or better in Queensland Mathematics C

Year 1, Semester 2

BSB119 International and Electronic Business

EFB102 Economics 2

ENB103 Electrical Engineering

MAB132 Engineering Mathematics 2A

OR

MAB182 Engineering Mathematics 2B

Year 2, Semester 1

EFB202 Business Cycles and Economic Growth

ENB240 Introduction To Electronics

ENB246 Engineering Problem Solving

MAB233 Engineering Mathematics 3

Year 2, Semester 2

ENB243 Linear Circuits and Systems

BSB110 Accounting

EFB101 Data Analysis for Business

PCB136 Engineering Physics 1C

Year 3, Semester 1

BSB126 Marketing

EFB211 Firms, Markets and Resources

EEB311 Electrical Measurement and Machines

ENB240 Introduction To Electronics

Year 3, Semester 2

BSB114 Government, Business and Society

EFB314 International Trade and Economic Competitiveness

EEB411 Classical Control and Power Systems

ENB244 Microprocessors and Digital Systems

Year 4, Semester 1

EEB584 Introduction to Design

Electrical and Computer Engineering elective unit

BSB111 Business Law and Ethics

Business Double Major / Extended Major / Specialisation Unit

Year 4, Semester 2

EEB684 Advanced Design

Electrical and Computer Engineering elective unit

EFB329 Contemporary Applications of Economics Theory

Business Double Major / Extended Major / Specialisation Unit

Year 5, Semester 1

EEB889-1 Project

Electrical and Computer Engineering elective unit

Business Double Major / Extended Major / Specialisation Unit

Business Double Major / Extended Major / Specialisation Unit

Year 5, Semester 2

EEB889-2 Project

Electrical and Computer Engineering elective unit

Business Double Major / Extended Major / Specialisation Unit

Business Double Major / Extended Major / Specialisation Unit

Business Units

Students should refer to the BS56 Course Notes entry for information on double major/extended major/specialisation units

Course structure - Electronic Business

Note: The Electronic Business Major must be undertaken with another Business major

Year 1, Semester 1

BEB100 Introducing Professional Learning

BSB114 Government, Business and Society

BSB119 International and Electronic Business

MAB180 Engineering Mathematics 1B

OR

MAB131 Engineering Mathematics 1A

MAB180 Engineering Mathematics 1 is to be taken by those students not obtaining a SA or better in Queensland Mathematics C

Year 1, Semester 2

BSB110 Accounting

BSB126 Marketing

ENB103 Electrical Engineering

MAB132 Engineering Mathematics 2A

OR

MAB182 Engineering Mathematics 2B

Year 2, Semester 1

ENB240 Introduction To Electronics

ENB246 Engineering Problem Solving

MAB233 Engineering Mathematics 3

PCB136 Engineering Physics 1C

Year 2, Semester 2

ENB243 Linear Circuits and Systems

BSB113 Economics

BSB115 Management, People and Organisations

BSB213 Governance Issues in E-Business

Year 3, Semester 1

BSB111 Business Law and Ethics

BSB212 Electronic Business Applications

EEB311 Electrical Measurement and Machines

ENB240 Introduction To Electronics

Year 3, Semester 2

EEB411 Classical Control and Power Systems

ENB244 Microprocessors and Digital Systems

ITB823 Web Sites For Electronic Commerce

Business Double Major Unit

Year 4, Semester 1

EEB584 Introduction to Design

Electrical and Computer Engineering elective unit

BSB314 E-Business Intelligence

ITB233 Enterprise Systems Applications

Year 4, Semester 2

EEB684 Advanced Design

Electrical and Computer Engineering elective unit

ITB239 Enterprise Data Mining

Business Double Major Unit

Year 5, Semester 1

EEB889-1 Project

Electrical and Computer Engineering elective unit

Business Double Major Unit

Business Double Major Unit

Year 5, Semester 2

EEB889-2 Project

Electrical and Computer Engineering elective unit

Business Double Major Unit

Business Double Major Unit

Business Double Major units

Students should refer to the BS56 Course Notes entry for information on double major units

Course structure - Human Resource Management

Year 1, Semester 1

BEB100	Introducing Professional Learning
BSB115	Management, People and Organisations
BSB119	International and Electronic Business
MAB180	Engineering Mathematics 1B
	OR
MAB131	Engineering Mathematics 1A
	MAB180 Engineering Mathematics 1 is to be taken by those students not obtaining a SA or better in Queensland Mathematics C

Year 1, Semester 2

BSB126	Marketing
MGB220	Management Research Methods
ENB103	Electrical Engineering
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 2, Semester 1

ENB240	Introduction To Electronics
ENB246	Engineering Problem Solving
MAB233	Engineering Mathematics 3
PCB136	Engineering Physics 1C

Year 2, Semester 2

ENB243	Linear Circuits and Systems
BSB110	Accounting
MGB207	Human Resource Issues and Strategy
MGB211	Organisational Behaviour

Year 3, Semester 1

BSB113	Economics
BSB114	Government, Business and Society
EEB311	Electrical Measurement and Machines
ENB240	Introduction To Electronics

Year 3, Semester 2

BSB111	Business Law and Ethics
MGB222	Managing Organisations
EEB411	Classical Control and Power Systems
ENB244	Microprocessors and Digital Systems

Year 4, Semester 1

EEB584	Introduction to Design
	Electrical and Computer Engineering elective unit
	Business Double Major / Extended Major / Specialisation Unit
	Business Double Major / Extended Major / Specialisation Unit

Year 4, Semester 2

EEB684	Advanced Design
	Electrical and Computer Engineering elective unit
	Business Double Major / Extended Major / Specialisation Unit
	Business Double Major / Extended Major / Specialisation Unit

Year 5, Semester 1

EEB889-1	Project
	Electrical and Computer Engineering elective unit
MGB314	Organisational Consulting and Change
	Business Double Major / Extended Major / Specialisation Unit

Year 5, Semester 2

EEB889-2	Project
	Electrical and Computer Engineering elective unit
MGB309	Strategic Management
	Business Double Major / Extended Major / Specialisation Unit

Business Units

Students should refer to the BS56 Course Notes entry for information on double major/extended major/specialisation units

The units AMB201 Market and Audience Research and MGB220 Management Research methods are incompatible units. Students undertaking Marketing or Public Relations as a double major should contact the school for enrolment advice. From semester 2, 2003 students who complete both MGB220 & AMB201 will be required to undertake an approved substitute unit to satisfy course requirements.

Course structure - International Business

Year 1, Semester 1

BEB100	Introducing Professional Learning
BSB113	Economics
BSB119	International and Electronic Business
MAB180	Engineering Mathematics 1B
	OR
MAB131	Engineering Mathematics 1A
	MAB180 Engineering Mathematics 1 is to be taken by those students not obtaining a SA or better in Queensland Mathematics C

Year 1, Semester 2

BSB115	Management, People and Organisations
BSB126	Marketing
ENB103	Electrical Engineering
MAB132	Engineering Mathematics 2A
	OR

MAB182 Engineering Mathematics 2B

Year 2, Semester 1

ENB240 Introduction To Electronics
ENB246 Engineering Problem Solving
MAB233 Engineering Mathematics 3
PCB136 Engineering Physics 1C

Year 2, Semester 2

ENB243 Linear Circuits and Systems
BSB114 Government, Business and Society
IBB202 Fundamentals of International Finance
IBB213 International Marketing

Year 3, Semester 1

BSB110 Accounting
IBB210 Export Management
EEB311 Electrical Measurement and Machines
ENB240 Introduction To Electronics

Year 3, Semester 2

BSB111 Business Law and Ethics
Business Double Major / Extended Major / Specialisation Unit
EEB411 Classical Control and Power Systems
ENB244 Microprocessors and Digital Systems

Year 4, Semester 1

EEB584 Introduction to Design
Electrical and Computer Engineering elective unit
International Business Area Study 1
Business Double Major / Extended Major / Specialisation Unit

Year 4, Semester 2

EEB684 Advanced Design
Electrical and Computer Engineering elective unit
International Business Area Study 2
Business Double Major / Extended Major / Specialisation Unit

Year 5, Semester 1

EEB889-1 Project
Electrical and Computer Engineering elective unit
Business Double Major / Extended Major / Specialisation Unit
Business Double Major / Extended Major / Specialisation Unit

Year 5, Semester 2

EEB889-2 Project
Electrical and Computer Engineering elective unit
IBB300 International Business Strategy
Business Double Major / Extended Major / Specialisation Unit

International Business Area Stduy Units:

Students Must Complete one of the following pairs of area study units:
IBB208 European Business Development
IBB308 Contemporary Business in Europe
OR
IBB217 Asian Business Development
IBB317 Contemporary Business in Asia

Business Units

Students should refer to the BS56 Course Notes entry for information on double major/extended major/specialisation units

Course structure - Management

Year 1, Semester 1

BEB100 Introducing Professional Learning
BSB115 Management, People and Organisations
BSB119 International and Electronic Business
MAB180 Engineering Mathematics 1B
OR
MAB131 Engineering Mathematics 1A
MAB180 Engineering Mathematics 1 is to be taken by those students not obtaining a SA or better in Queensland Mathematics C

Year 1, Semester 2

BSB126 Marketing
MGB220 Management Research Methods
ENB103 Electrical Engineering
MAB132 Engineering Mathematics 2A
OR
MAB182 Engineering Mathematics 2B

Year 2, Semester 1

ENB240 Introduction To Electronics
ENB246 Engineering Problem Solving
MAB233 Engineering Mathematics 3
PCB136 Engineering Physics 1C

Year 2, Semester 2

ENB243 Linear Circuits and Systems
BSB110 Accounting
MGB211 Organisational Behaviour
MGB222 Managing Organisations

Year 3, Semester 1

BSB113	Economics
BSB114	Government, Business and Society
EEB311	Electrical Measurement and Machines
ENB240	Introduction To Electronics

Year 3, Semester 2

BSB111	Business Law and Ethics
	Business Double Major / Extended Major / Specialisation Unit
EEB411	Classical Control and Power Systems
ENB244	Microprocessors and Digital Systems

Year 4, Semester 1

EEB584	Introduction to Design
	Electrical and Computer Engineering elective unit
MGB210	Production and Service Management
	Business Double Major / Extended Major / Specialisation Unit

Year 4, Semester 2

EEB684	Advanced Design
	Electrical and Computer Engineering elective unit
MGB334	Managing in a Changing Environment
	Business Double Major / Extended Major / Specialisation Unit

Year 5, Semester 1

EEB889-1	Project
	Electrical and Computer Engineering elective unit
	Business Double Major / Extended Major / Specialisation Unit
	Business Double Major / Extended Major / Specialisation Unit

Year 5, Semester 2

EEB889-2	Project
	Electrical and Computer Engineering elective unit
MGB309	Strategic Management
	Business Double Major / Extended Major / Specialisation Unit

Business Units

Students should refer to the BS56 Course Notes entry for information on double major/extended major/specialisation units

The units AMB201 Market and Audience Research and MGB220 Management Research methods are incompatible units. Students undertaking Marketing or Public Relations as a double major should contact the school for enrolment advice. From semester 2, 2003 students who complete both MGB220 & AMB201 will be required to undertake an approved substitute unit to satisfy course requirements.

Course structure - Marketing

Year 1, Semester 1

BEB100	Introducing Professional Learning
BSB119	International and Electronic Business
BSB126	Marketing
MAB180	Engineering Mathematics 1B
	OR
MAB131	Engineering Mathematics 1A
	MAB180 Engineering Mathematics 1 is to be taken by those students not obtaining a SA or better in Queensland Mathematics C

Year 1, Semester 2

AMB200	Consumer Behaviour
AMB240	Marketing Planning and Management
ENB103	Electrical Engineering
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 2, Semester 1

ENB240	Introduction To Electronics
ENB246	Engineering Problem Solving
MAB233	Engineering Mathematics 3
PCB136	Engineering Physics 1C

Year 2, Semester 2

ENB243	Linear Circuits and Systems
AMB201	Marketing and Audience Research
AMB241	E-Marketing Strategies
BSB115	Management, People and Organisations

Year 3, Semester 1

BSB113	Economics
	Business Double Major / Extended Major / Specialisation Unit
EEB311	Electrical Measurement and Machines
ENB240	Introduction To Electronics

Year 3, Semester 2

BSB114	Government, Business and Society
	Business Double Major / Extended Major / Specialisation Unit
EEB411	Classical Control and Power Systems
ENB244	Microprocessors and Digital Systems

Year 4, Semester 1

AMB340	Services Marketing
	Business Double Major / Extended Major / Specialisation Unit

EEB584 Introduction to Design

Electrical and Computer Engineering elective unit

Year 4, Semester 2

AMB341 Strategic Marketing

Business Double Major / Extended Major / Specialisation Unit

EEB684 Advanced Design

Electrical and Computer Engineering elective unit

Year 5, Semester 1

BSB111 Business Law and Ethics

Business Double Major / Extended Major / Specialisation Unit

EEB889-1 Project

Electrical and Computer Engineering elective unit

Year 5, Semester 2

BSB110 Accounting

Business Double Major / Extended Major / Specialisation Unit

EEB889-2 Project

Electrical and Computer Engineering elective unit

Business Units

Students should refer to the BS56 Course Notes entry for information on double major/extended major/specialisation units

The units AMB201 Market and Audience Research and MGB220 Management Research methods are incompatible units. Students undertaking HRM or Management as a double major should contact the school for enrolment advice. From semester 2, 2003 students who complete both MGB220 & AMB201 will be required to undertake an approved substitute unit to satisfy course requirements.

Course structure - Public Relations

Year 1, Semester 1

BEB100 Introducing Professional Learning

BSB119 International and Electronic Business

BSB126 Marketing

MAB180 Engineering Mathematics 1B

OR

MAB131 Engineering Mathematics 1A

MAB180 Engineering Mathematics 1 is to be taken by those students not obtaining a SA or better in Queensland Mathematics C

Year 1, Semester 2

AMB260 Public Relations Theory and Practice

BSB115 Management, People and Organisations

ENB103 Electrical Engineering

MAB132 Engineering Mathematics 2A

OR

MAB182 Engineering Mathematics 2B

Year 2, Semester 1

ENB240 Introduction To Electronics

ENB246 Engineering Problem Solving

MAB233 Engineering Mathematics 3

PCB136 Engineering Physics 1C

Year 2, Semester 2

ENB243 Linear Circuits and Systems

AMB261 Media Relations and Publicity

AMB262 Public Relations Writing

BSB113 Economics

Year 3, Semester 1

AMB201 Marketing and Audience Research

Business Double Major / Extended Major / Specialisation Unit

EEB311 Electrical Measurement and Machines

ENB240 Introduction To Electronics

Year 3, Semester 2

BSB114 Government, Business and Society

Business Double Major / Extended Major / Specialisation Unit

EEB411 Classical Control and Power Systems

ENB244 Microprocessors and Digital Systems

Year 4, Semester 1

AMB360 Corporate Communication Management

Business Double Major / Extended Major / Specialisation Unit

EEB584 Introduction to Design

Electrical and Computer Engineering elective unit

Year 4, Semester 2

AMB361 Public Relations Campaigns

Business Double Major / Extended Major / Specialisation Unit

EEB684 Advanced Design

Electrical and Computer Engineering elective unit

Year 5, Semester 1

BSB111 Business Law and Ethics

Business Double Major / Extended Major / Specialisation Unit

EEB889-1 Project

Electrical and Computer Engineering elective unit

Year 5, Semester 2

BSB110 Accounting

Business Double Major / Extended Major / Specialisation Unit

EEB889-2 Project

Electrical and Computer Engineering elective unit

Business Units

Students should refer to the BS56 Course Notes entry for information on double major/extended major/specialisation units

The units AMB201 Market and Audience Research and MGB220 Management Research Methods are incompatible units. Students undertaking HRM or Management as a double major should contact the school for enrolment advice. From semester 2, 2003 students who complete both MGB220 & AMB201 will be required to undertake an approved substitute unit to satisfy course requirements.

Potential Careers:

Account Executive, Accountant, Actuary, Administrator, Advertising Professional, Banker, Banking and Finance Professional, Business Analyst, Certified Practicing Accountant, Corporate Secretary, Economist, Electrical and Computer Engineer, Electrical Engineer, Electronic Commerce Developer, Exchange Student, Financial Advisor/Analyst, Financial Project Manager, Funds Manager, Government Officer, Human Resource Developer, Human Resource Manager, International Business Specialist, Internet Professional, Investment Manager, Manager, Marketing Officer/Manager, Public Relations Officer/Consultant, Public Servant, Publishing Professional, Risk Manager, Software Engineer, Stockbroker, Web Designer.

Doctor of Philosophy (Built Environment, Engineering) (IF49)

Year offered: 2007
Admissions: Yes
CRICOS code: 006367J
Course duration (full-time): 2 years (max. 4 years)
Course duration (part-time): 4 years (max. 8 years)
Domestic fees (per credit point): RTS/RTA; 2007 Full fee tuition $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:$11,000 per semester *(subject to annual review)*
Domestic Entry: At any time
International Entry: At any time
Campus: Gardens Point

Entry Requirements

First class or second class division A honours degree, an appropriate Masters Degree (research or coursework), or a professional doctorate, from a recognised institution. Masters degree by coursework and professional doctorates must contain a significant research component, of no less than 33 per cent of the total degree, and must have a GPA of at least 5.0 on a 7 point scale.

Overview

This program provides in-depth research training in particular areas of built environment and engineering while broadening knowledge in a chosen discipline area. In the multimodal program candidates conduct research away from QUT, often in the workplace, either in Australia or overseas. Videoconferencing, email and other technologies make it possible for candidates to participate in activities such as seminar delivery and progress reporting.

Candidates would normally undertake their Confirmation of Candidature and Final Seminar in person. A QUT staff member of the supervisory team would normally visit the candidate at their research site at least once during their candidature. External candidates must normally spend a minimum of three months at QUT and be present in person for their confirmation of Candidature and Final Semester. Doctoral studies normally include:
* assessed coursework
* participation in university scholarly activities such as research seminars, teaching and publication
* regular meetings with supervisors
* a program of supervised research and investigation
* preparation of a thesis. Candidates can enrol in a doctoral program through the Faculty Research Centre.

Fees

Australian citizens and permanent residents will be awarded a Research Training Scheme (RTS) place. Domestic students are not required to apply for an RTS entitlement, as it will be automatically allocated. The RTS covers tuition fees but not Guild fees or other study related costs. PhD Students are entitled to four years full-time equivalent study under these schemes. Students who exceed this entitlement may apply to QUT for extension, however the University may charge fees for the period of the program, which exceeds the student's entitlement. The University determines the fee level.

Research Areas

Areas of research interest
You can enrol in a research program in the following thematic areas of research:
À Sustainability (Energy, Water, Housing and Construction)
À Smart Systems (Speech and signal processing, robotics and automation, and infrastructure and asset management)
À Medical Engineering (Orthopaedics & trauma, Biomedical modelling and simulation) and
À Design (industrial design, interior design, urban design and architecture.

DESIGN

The DESIGN theme includes research in Architecture, Industrial Design, Interior Design, Landscape Architecture and Urban Design. It focuses on Subtropical Design, Digital Design, Human-centred Design Research and Useability, Built Environment Design Areas, Cultural Landscape, Design for Aging, Design and Research Methodologies and Design Education. The theme is cross/inter - disciplinary related with relevant fields in the Faculty (eg. mechanical/manufacturing/medical engineering; transport engineering; structures and designs; electronic systems and informatics environment) and across the University community (eg. Institute for Health and Biomedical Innovation (IHBI), Institute for Creative Innovation (iCi), Information Security Institute (ISI), Institute for Sustainable Systems and Resources and relevant Collaborative Research Centres (CRC).

MEDICAL ENGINEERING

This program aims to engender sustainable improvements in quality of life for everybody through the innovative application of new and emerging technologies which will not only help reduce the economic burden of healthcare provision, but also generate wealth for the nation through the stimulation of local industry. Under two broad headings, the program encompasses the following research areas:
À Orthopaedic and Trauma
The Orthopaedic and Trauma group has seven principal areas of focus: bone defects; fracture healing; pathogenesis and repair of osteoarthritis; biomaterials; new approaches to minimally invasive surgery; paediatric and adult spine research; and clinical outcomes.
À Biomechanics, Modelling and Simulation
Apart from orthopaedic research, the Medical Engineering program also encompasses many other areas studying the application of mechanical and electrical engineering to clinically related healthcare problems. These include: amputee gait analysis; paediatric gait analysis; performance of paralympic athletes; osseointegrated implants; spinal and pelvic mechanics; paediatric spine deformity; artificial organs, specifically ventricular assist devices (artificial heart) and artificial lungs; tissue mechanics; bioelectrical signal analysis; tribology of artificial joints; and the interface

between devices and the human body.

MEDICAL ENGINEERING À Biomechanical Modelling and Simulation

SMART SYSTEMS À Infrastructure and Asset Management
Infrastructure research, in collaboration with industry, government and professions, aims to strengthen the nation's building and infrastructure systems. Research concentrates on investigating the performance of existing and new building and infrastructure systems under realistic structural and environmental loadings including those due to natural, accidental and man-made hazards. It uses smart materials, systems and technologies, and advanced computer analysis and test methods to assess and improve the performance of existing and new building and infrastructure systems.

Asset Management research focuses on innovative industry directed research and development, education and commercialisation in an integrated approach to lifecycle physical asset management to meet present and future needs to ensure international competitiveness and sustainability of Australian industry. The overall research program will be focused on five main industry sectors: Defence, Water and Waste, Power Generation and Distribution, Extraction and Process and Transport Infrastructure.

This research is closely aligned to the CRC for Construction Innovation and the CRC for Integrated Engineering Asset Management.

SMART SYSTEMS À Robotics and Automation
The Robotics and Automation program is focussed on world-class research on robotics and navigation systems for unmanned aerial vehicles, and involves collaboration with CSIRO and Boeing. However similar automation strategies and technologies are used in a variety of control applications such as energy network control, and infomechatronic systems, and satellites.

SMART SYSTEMS - Speech and Signal Processing
This program conducts internationally competitive research in order to solve practical problems, which enable Speech, and Signal Processing to be applied in products and processes. Research focuses on, state-of-the-art speech audio and video technologies including speech/speaker recognition and personal identification technologies for forensic and security applications; speech coding for storage and communication; speech synthesis for voice response systems; audio compression for broadcasting, television and Internet applications, video compression and image recognition and restoration.

SUSTAINABILITY À Energy
The provision of sustainable energy supplies is of critical importance to the future of Australia, and this research involves experimental and theoretical research on solar cells, wind energy and solar thermal energy generation as well as fundamental research on energy supply networks, including distributed generation technology and energy policy. This research in conducted in collaboration with energy utilities and the Queensland Sustainable Energy Industry Development Group.

SUSTAINABILITY À Water
The supply of fresh water and the quality of water supply are key issues facing Australia over the next 20 years, and this research looks at water re-use technology and policy. The research is practically focussed with significant collaboration with local government in South-East Queensland.

SUSTAINABILITY À Transport
The aim of this program is to focus research effort in the freight and logistics area with an emphasis on multi-modal transportation systems. The main research areas include freight vehicle impacts, freight and logistics e-business systems, freight corridor evaluation analysis, ITS applications in freight and logistics, emissions modelling, transit evaluation methodologies, rail track modelling and analysis, and intermodal terminal planning and operations.

SUSTAIANBILITYÀ Housing and Construction
This research makes contributions to improved practice in the specific areas of housing, urban planning, international project management, construction and property performance, construction information and procurement technologies, and property market choice, investments, constraints opportunities, internationalisation, taxation, lifecycles, risk and culture.

The Faculty is also involved in the following Cooperative Research Centres (CRC) and externally-funded collaborative research ventures:

CRC FOR CONSTRUCTION INNOVATION
The Centre aims to create and commercially exploit tools, technologies and management systems to deliver innovative constructed assets of financial, environmental and social benefit to the community. The centre combines basic research with strategic research and development in five related programs: virtual environments for lifecycle design and construction; construction project delivery strategies; environmental sustainability; integrated design and construction support systems; and management, adaptability and the future of built assets.

CRC FOR INTEGRATED ENGINEERING ASSET MANAGEMENT
The CRC for Integrated Engineering Asset Management (CIEAM) delivers capabilities and technologies for integrated and sustainable asset management to a wide range of Australian industries in both the private and the public sectors. CIEAM consists of leading edge researchers and practitioners focused on industry directed R&D and education in the management of Australia's major engineering assets in the Defence, Utilities (power, water and gas), Process and extraction, and Transportation industries. CIEAM involves five research program areas. These are: Models and decision systems, Advanced sensors, Intelligent diagnostics and life prediction, Systems integration and IT, and Strategic human dimensions.

CRC FOR RAILWAY ENGINEERING AND

TECHNOLOGIES
The Centre aims through research to develop an internationally competitive, efficient and sustainable rail industry and to facilitate the development of an Australian export industry in railway technologies. Benefits will flow in terms of improved rail efficiency and infrastructure capacity, energy savings, reduced maintenance cost and better asset utilisation. The main research areas include: 'Smart train' intelligent systems; innovative/automated maintenance and upgrading technologies; optimal traffic control and scheduling; IT systems and standards for rail management; new materials, systems and components for railways; and, industry skills development (education and training).

CRC FOR ADVANCED AUTOMOTIVE TECHNOLOGY
The CRC for Advanced Automotive Technology brings the automotive industry together with researchers in design, engineering and manufacturing to enhance the industryÀs international competitiveness. The aim of the research is to reduce the concept-to-product cycle times, improved manufacturing flexibility and efficiency and the development of new material systems to meet the challenges of weight reduction, increased safety and greater functionality. The CRC will also improve vehicle safety through improvements in the crash worthiness of vehicles and new intelligent products/systems that provide increased comfort, performance and entertainment.

AUSTRALIAN HOUSING AND URBAN INSTITUTE (AHURI):
The Institute is a consortium of CSIRO Division of Building, Construction and Engineering ; Queensland University of Technology; University of Queensland; Monash University, and Royal Melbourne Institute of Technology (RMIT). Its broad objective is to conduct research into issues in housing and urban fields in Australia and the Asia-Pacific region.

CENTRE FOR SUBTROPICAL DESIGN
The Centre for Subtropical Design is one of the Faculty's first funded units in one of our major targeted areas: sustainable development. This Centre will promote high quality planning, design and development that responds to the City of Brisbane and South-East Queensland Region's cultural, landscape, and climatic characteristics in ways that are sustainable and enhance the enjoyment of the region's subtropical lifestyle.

QUEENSLAND SUSTAINABLE ENERGY INDUSTRY DEVELOPMENT GROUP
This group, formed in 2004 by QUT, the University of Queensland, Central Queensland University, Stanwell Corporation, CS Energy and the Queensland Conservation Council, is continuing the work of the Australian CRC for Renewable Energy in areas of energy policy, training for the sustainable energy industry (supply and use), and renewable energy technology.

AUSTRALIAN CENTRE FOR SUGAR RESEARCH INNOVATION
This Centre is the research division of the former Sugar Research Institute which transferred to QUT in July 2005. This Centre conducts research into the post-harvest processing and economics of sugar cane, and has a particular expertise in milling technology (mechanical engineering and computational fluid dynamics modelling), separation science, and total biomass utilisation, in particular the transformation of sugar cane waste into biofuels (ethanol) and biopolymers to provide renewable fuels and industrial chemicals.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

The Centre for Built Environment and Engineering Research Phone +61 7 3864 1424, Fax +61 7 3864 8381, e-mail: bee.research@qut.edu.au

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
	OR
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

MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B
	null

Year 2, Semester 1

ENB240	Introduction To Electronics
ITB004	Database Systems
ITB008	Modelling Analysis and Design
MAB233	Engineering Mathematics 3

Year 2, Semester 2

ENB243	Linear Circuits and Systems
ENB245	Introduction To Design and Professional Practice
ITB006	Networks
ITB007	Web Development

Year 3, Semester 1

EEB311	Electrical Measurement and Machines
EEB512	Industrial Electronics and Digital Design
ENB242	Introduction To Telecommunications
	IT Elective

Year 3, Semester 2

EEB411	Classical Control and Power Systems
EEB440	Classical Signal Processing
ITB720	Internet Protocols and Services
	IT Elective

Year 4, Semester 1

EEB560	Digital Communications
EEB584	Introduction to Design
ITB009	Core Project Initiation
	IT Elective

Year 4, Semester 2

EEB640	Digital Signal Processing
EEB684	Advanced Design
	IT Elective
	Electrical Engineering or IT Elective

Year 5, Semester 1

EEB781	Professional Studies 2
EEB889-1	Project
	OR
ITB844-1	Project
	Electrical Engineering Elective
	Electrical Engineering Elective

Year 5, Semester 2

EEB889-2	Project
	OR
ITB844-2	Project
	Electrical Engineering Elective
	Electrical Engineering Elective
	Electrical Engineering or IT Elective

NOTE:

EEB781 Professional Studies 2 can be taken earlier if desired subject to completion of BNB007 Professional Studies 1.

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
EEP123	Process Control and Robotics
EEP129	Image Processing and Computer Vision

At the discretion of the Course Coordinator, students may be allowed to select an elective from any advanced topics offered by the University. Also potential honours students may, with the approval of the Course Coordinator, select an elective from the from the postgraduate degree courses offered by the School of Electrical and Electronic Systems Engineering. IT and Electrical Engineering Electives may be interchanged provided at least one elective is chosen from each discipline.

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

Information Technology 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:

Computer Systems Engineer, Electrical and Computer Engineer, Programmer, Software Engineer, Web Designer.

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

Year 1 - Semester 1	
BEB100	Introducing Professional Learning
ITB001	Problem Solving and Programming
MAB180	Engineering Mathematics 1B
	OR
MAB131	Engineering Mathematics 1A
PCB136	Engineering Physics 1C

Year 1 - Semester 2	
BEB200	Introducing Sustainability
ENB103	Electrical Engineering
ITB003	Object Oriented Programming
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B
	null

Year 2 - Semester 1	
ENB240	Introduction To Electronics
ENB242	Introduction To Telecommunications
ITB004	Database Systems
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

ENB243	Linear Circuits and Systems
ENB244	Microprocessors and Digital Systems
ITB006	Networks
ITB007	Web Development

Year 3 - Semester 1

EEB512	Industrial Electronics and Digital Design
EEB566	Real-Time Computer-Based Systems
EEB585	Systems Engineering Design
ITB720	Internet Protocols and Services

Year 3 - Semester 2

EEB666	Communication Environments for Embedded Systems
EEB685	Advanced Systems Design
ITB009	Core Project Initiation
ITB715	Web Services

Year 4 - Semester 1

EEB781	Professional Studies 2
ITB844-1	Project
	OR
EEB782-1	Systems Project
	IT Elective
	Elective

Year 4 - Semester 2

ITB844-2	Project
	OR
EEB782-2	Systems Project
	IT Elective
	Elective
	Elective

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 Comercialisation 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
EEP123	Process Control and Robotics
EEP129	Image Processing and Computer Vision

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 Business / Bachelor of Engineering (IX28)

Year offered: 2007
Admissions: Yes
Course duration (full-time): 5 years
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 Data Analysis for Business 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 R.Mahalinga-Iyer (Engineering); Mr Andrew Paltridge (Business)
Discipline coordinator: Dr Ed Palmer (Engineering); 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

Recommended Study

Chemistry, Maths C and Physics are recommended.

Career Outcomes

Electrical and computer engineers design, install and maintain electrical, electronic, telecommunications and computing systems on behalf of governments and private companies. Graduates of the Bachelor of Business are skilled in many aspects of business including: accountancy, advertising, banking and finance, economics, electronic business, human resource management, international business, management, marketing and public relations.

Overview

Students combine engineering knowledge in electronics, computer systems, telecommunications and electric power with a business course majoring in one or more of accountancy, advertising, banking and finance, economics, electronic business, human resource management, international business, management, marketing or public relations.

Professional Recognition

This degree meets the requirements for membership of Engineers Australia and the Institution of Radio and Electronics Engineers Australia.

The Bachelor of Business degree may, subject to choice of major, extended major, or specialisation, allow graduates to satisfy the academic requirements for membership of: CPA Australia; Institute of Chartered Accountants in Australia; Chartered Secretaries Australia; Advertising Federation of Australia; Australian Association of National Advertisers; Australian Direct Marketing Association; Queensland Commercial Radio Association; Financial Services Institute of Australasia (FINSIA); Economics Society of Australia; Australian Human Resources Institute; Australian Institute of Management; Australian Institute of Training and Development; Australian Institute of Export; Australian Institute of Management; Australian Marketing Institute; Marketing Research Society of Australia; Australian Institute of Management; American Marketing Association and Public Relations Institute of Australia.

Special Course Requirements

A candidate for the degree of Bachelor of Engineering must obtain at least 60 days of industrial employment/practice in an engineering environment approved by the course coordinator, before graduating.

Course Design

Students are required to complete 480 credit points comprised of 252 credit points from the Bachelor of Engineering (Electrical & Computer Engineering) program and 192 credit points from the Bachelor of Business program. Students supplement the engineering component of this program with the 84* credit point Faculty Core units in the Bachelor of Business program together with a 72 credit point Major in one of the following: Accountancy, Advertising, Banking & Finance, Economics, Electronic Business, Human Resource Management, International Business, Management, Marketing or Public Relations, as well as a further 72 credit points in which the student must complete one of the following: Double Major, Extended Major or Specialisation.

Further Information

Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.edu.au
Faculty of Business Phone +61 7 3864 2050, Fax +61 7 3864 1537, email bus@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 - Accountancy

Year 1 Semester 1	
BSB110	Accounting
BSB111	Business Law and Ethics

Year 1 Semester 2	
BSB122	Quantitative Analysis and Finance
BSB113	Economics

Year 2 Semester 1

No Faculty of Business units studies this semester.

Year 2 Semester 2

BSB114 Government, Business and Society
AYB121 Financial Accounting
AYB223 Law of Business Associations

Year 3 Semester 1

AYB225 Management Accounting
AYB220 Company Accounting

Year 3 Semester 2

AYB221 Computerised Accounting Systems

Year 4 Semester 1

AYB301 Auditing
AYB311 Financial Accounting Issues
or
AYB321 Strategic Management Accounting

Year 4 Semester 2

EFB101 Data Analysis for Business
EFB210 Finance 1
AYB325 Taxation Law

Year 5 Semester 1

BSB115 Management, People and Organisations

Course structure - Advertising

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

No Faculty of Business units studies this semester.

Year 2 Semester 2

BSB111 Business Law and Ethics
AMB200 Consumer Behaviour
AMB220 Advertising Theory and Practice

Year 3 Semester 1

AMB221 Advertising Copywriting
AMB222 Media Planning

Year 3 Semester 2

BSB119 International and Electronic Business

Year 4 Semester 1

AMB320 Advertising Management
AMB330 Advertising Strategy and Planning

Year 4 Semester 2

BSB113 Economics
AMB321 Advertising Campaigns
AMB202 Integrated Marketing Communication

Year 5 Semester 1

BSB114 Government, Business and Society

Course structure - Banking & Finance

Year 1 Semester 1

BSB113 Economics
BSB115 Management, People and Organisations

Year 1 Semester 2

BSB114 Government, Business and Society
BSB126 Marketing

Year 2 Semester 1

No Faculty of Business units studies this semester.

Year 2 Semester 2

BSB110 Accounting
BSB122 Quantitative Analysis and Finance
BSB119 International and Electronic Business

Year 3 Semester 1

EFB101 Data Analysis for Business
EFB210 Finance 1

Year 3 Semester 2

EFB307 Finance 2

Year 4 Semester 1

EFB200 Applied Regression Analysis
EFB318 Portfolio and Security Analysis

Year 4 Semester 2

EFB102 Economics 2
EFB312 International Finance
EFB201 Financial Markets

Year 5 Semester 1

BSB111 Business Law and Ethics

Course structure - Economics

Year 1 Semester 1

BSB113	Economics
BSB115	Management, People and Organisations

Year 1 Semester 2

BSB114	Government, Business and Society
BSB110	Accounting

Year 2 Semester 1

No Faculty of Business units studies this semester.

Year 2 Semester 2

BSB122	Quantitative Analysis and Finance
BSB119	International and Electronic Business
EFB102	Economics 2

Year 3 Semester 1

EFB211	Firms, Markets and Resources
EFB202	Business Cycles and Economic Growth

Year 3 Semester 2

EFB101	Data Analysis for Business

Year 4 Semester 1

BSB111	Business Law and Ethics
EFB200	Applied Regression Analysis

Year 4 Semester 2

EFB328	Public Economics and Finance
EFB329	Contemporary Applications of Economics Theory
EFB314	International Trade and Economic Competitiveness

Year 5 Semester 1

BSB126	Marketing

Course structure - Electronic Business

Year 1 Semester 1

BSB115	Management, People and Organisations
BSB119	International and Electronic Business

Year 1 Semester 2

BSB110	Accounting
BSB111	Business Law and Ethics

Year 2 Semester 1

No Faculty of Business units studies this semester.

Year 2 Semester 2

BSB114	Government, Business and Society
BSB113	Economics
BSB122	Quantitative Analysis and Finance

Year 3 Semester 1

BSB212	Electronic Business Applications
ITB233	Enterprise Systems Applications

Year 3 Semester 2

ITB823	Web Sites For Electronic Commerce

Year 4 Semester 1

MGB334	Managing in a Changing Environment
AYB221	Computerised Accounting Systems

Year 4 Semester 2

BSB213	Governance Issues in E-Business
BSB314	E-Business Intelligence
ITB239	Enterprise Data Mining

Year 5 Semester 1

BSB126	Marketing

Course structure - Human Resource Management

Year 1 Semester 1

BSB113	Economics
BSB115	Management, People and Organisations

Year 1 Semester 2

BSB110	Accounting
BSB111	Business Law and Ethics

Year 2 Semester 1

No Faculty of Business units studies this semester.

Year 2 Semester 2

BSB114	Government, Business and Society
BSB122	Quantitative Analysis and Finance
BSB119	International and Electronic Business

Year 3 Semester 1

MGB207	Human Resource Issues and Strategy
MGB220	Management Research Methods

Year 3 Semester 2

MGB211	Organisational Behaviour

Year 4 Semester 1

MGB221	Performance and Reward
	HRM Option Unit

Year 4 Semester 2

MGB320	Recruitment and Selection
MGB331	Training and Development
	HRM Option Unit

Year 5 Semester 1	
BSB126	Marketing

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

Course structure - International Business

Year 1 Semester 1	
BSB126	Marketing
BSB119	International and Electronic Business

Year 1 Semester 2	
BSB114	Government, Business and Society
BSB122	Quantitative Analysis and Finance

Year 2 Semester 1	
	No Faculty of Business units studies this semester.

Year 2 Semester 2	
BSB110	Accounting
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	
IBB317	Contemporary Business in Asia
	or
IBB308	Contemporary Business in Europe

Year 4 Semester 1	
IBB210	Export Management
IBB213	International Marketing

Year 4 Semester 2	
IBB205	Cross-Cultural Communication and Negotiation
IBB300	International Business Strategy
IBB303	International Logistics

Year 5 Semester 1	
BSB115	Management, People and Organisations

Course structure - Management

Year 1 Semester 1	
BSB113	Economics
BSB115	Management, People and Organisations

Year 1 Semester 2	
BSB114	Government, Business and Society
BSB126	Marketing

Year 2 Semester 1	
	No Faculty of Business units studies this semester.

Year 2 Semester 2	
BSB111	Business Law and Ethics
BSB122	Quantitative Analysis and Finance
BSB119	International and Electronic Business

Year 3 Semester 1	
MGB220	Management Research Methods
MGB222	Managing Organisations

Year 3 Semester 2	
MGB210	Production and Service Management

Year 4 Semester 1	
MGB211	Organisational Behaviour
	Management Option Unit

Year 4 Semester 2	
MGB309	Strategic Management
MGB334	Managing in a Changing Environment
	Management Option Unit

Year 5 Semester 1	
BSB110	Accounting

Management Option Unit List:	
MGB216	Managing Technological Innovation in Global Business
MGB218	Venture Skills
MGB223	Creating New Enterprises
MGB312	Negotiation Skills
MGB315	Personal and Professional Development
MGB335	Project Management

Course structure - Marketing

Year 1 Semester 1	
BSB122	Quantitative Analysis and Finance

BSB126	Marketing

Year 1 Semester 2

BSB114	Government, Business and Society
BSB119	International and Electronic Business

Year 2 Semester 1

No Faculty of Business units studies this semester.

Year 2 Semester 2

BSB111	Business Law and Ethics
BSB113	Economics
BSB115	Management, People and Organisations

Year 3 Semester 1

AMB200	Consumer Behaviour
AMB240	Marketing Planning and Management

Year 3 Semester 2

AMB201	Marketing and Audience Research

Year 4 Semester 1

AMB340	Services Marketing
AMB202	Integrated Marketing Communication

Year 4 Semester 2

AMB241	E-Marketing Strategies
AMB341	Strategic Marketing
AMB352	Marketing Decision Making
	or
IBB213	International Marketing

Year 5 Semester 1

BSB110	Accounting

Course structure - Public Relations

Year 1 Semester 1

BSB122	Quantitative Analysis and Finance
BSB126	Marketing

Year 1 Semester 2

BSB114	Government, Business and Society
BSB119	International and Electronic Business

Year 2 Semester 1

No Faculty of Business units studies this semester.

Year 2 Semester 2

BSB115	Management, People and Organisations
AMB201	Marketing and Audience Research
AMB260	Public Relations Theory and Practice

Year 3 Semester 1

AMB261	Media Relations and Publicity
AMB262	Public Relations Writing

Year 3 Semester 2

BSB113	Economics

Year 4 Semester 1

AMB360	Corporate Communication Management
AMB370	Public Relations Cases

Year 4 Semester 2

BSB111	Business Law and Ethics
AMB361	Public Relations Campaigns
AMB371	Corporate Communication Strategies

Year 5 Semester 1

BSB110	Accounting

Course structure - Civil Engineering

Year 1, Semester 1

ENB101	Engineering Mechanics 1
MAB131	Engineering Mathematics 1A
	OR
MAB180	Engineering Mathematics 1B

Year 1, Semester 2

ENB102	Engineering Mechanics 2
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 2, Semester 1

BEB100	Introducing Professional Learning
ENB104	Engineering Materials
ENB271	Design of Structural Timber and Earthworks
MAB233	Engineering Mathematics 3

Year 2, Semester 2

ENB201	Fluid Mechanics

Year 3, Semester 1

ENB272	Geotechnical Engineering 1
ENB273	Civil Materials

Year 3, Semester 2

BEB200	Introducing Sustainability
ENB274	Design of Environmentally Sustainable Systems
ENB276	Structural Engineering 1

Course structure - Electrical Engineering

Year 1, Semester 1	
BEB100	Introducing Professional Learning
MAB131	Engineering Mathematics 1A
	OR
MAB180	Engineering Mathematics 1B

Year 1, Semester 2	
ENB103	Electrical Engineering
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 2, Semester 1	
ENB240	Introduction To Electronics
ENB246	Engineering Problem Solving
MAB233	Engineering Mathematics 3
PCB136	Engineering Physics 1C

Year 2, Semester 2	
BEB200	Introducing Sustainability

Year 3, Semester 1	
ENB242	Introduction To Telecommunications
ENB340	Power Systems and Machines

Year 3, Semester 2	
ENB243	Linear Circuits and Systems
ENB244	Microprocessors and Digital Systems
ENB245	Introduction To Design and Professional Practice

Course structure - Mechanical Engineering

Year 1, Semester 1	
BEB100	Introducing Professional Learning
MAB131	Engineering Mathematics 1A
	OR
MAB180	Engineering Mathematics 1B

Year 1, Semester 2	
ENB104	Engineering Materials
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 2, Semester 1	
ENB101	Engineering Mechanics 1
ENB231	Materials and Manufacturing 1
MAB233	Engineering Mathematics 3
PCB136	Engineering Physics 1C

Year 2, Semester 2	
ENB103	Electrical Engineering

Year 3, Semester 1	
ENB105	Electrical and Computer Engineering
ENB211	Dynamics

Year 3, Semester 2	
BEB200	Introducing Sustainability
ENB102	Engineering Mechanics 2
ENB201	Fluid Mechanics

Potential Careers:

Account Executive, Accountant, Actuary, Administrator, Advertising Professional, Banker, Banking and Finance Professional, Business Analyst, Certified Practicing Accountant, Corporate Secretary, Economist, Electrical and Computer Engineer, Electrical Engineer, Electronic Commerce Developer, Exchange Student, Financial Advisor/Analyst, Financial Project Manager, Funds Manager, Government Officer, Human Resource Developer, Human Resource Manager, International Business Specialist, Internet Professional, Investment Manager, Manager, Marketing Officer/Manager, Public Relations Officer/Consultant, Public Servant, Publishing Professional, Risk Manager, Software Engineer, Stockbroker, Web Designer.

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:

Academic, Administrator, Arts Administrator, Biochemist, Bioengineer, Bioinformatician, Biologist, Biomechanical Engineer, Biomedical Engineer, Biotechnologist, Biotechnologist, Biotechnology Business/Investment Analyst, Business Analyst, Business Development Officer, Cell Biologist, Civil Engineer, Contract Administrator, Financial Advisor/Analyst, Government Officer, International Business Specialist, Marine Scientist, Market Research Manager, Marketing Officer/Manager, Mathematician, Microbiologist, Policy Officer, Public Servant, Scientist, Social Scientist, Urban Designer, Visual Artist, Web Designer.

Advanced Diploma in Engineering (Mechanical)/Bachelor of Technology (Mechanical) (ME37)

Year offered: 2007
Admissions: No
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
Domestic Entry: February
QTAC code: This course is no longer offered
Past rank cut-off: 52 BNIT-Gateway; 50 MIT-Mt Gravatt; 50 YIT-Yeronga
Past OP cut-off: 22 BNIT-Gateway; 24 MIT-Mt Gravatt; 24 YIT-Yeronga
Total credit points: 288 (including 120 cp advanced standing)
Course coordinator: Dr R.Mahalinga-Iyer
Discipline coordinator: Dr Vladis Kosse
Campus: Gardens Point

Course Availability

This course is not taking new admissions/enrolments. Articulation from the TAFE to QUT for existing dual TAFE/QUT award students will be accepted up until semester one, 2008.

Entry Requirements

Applicants must apply via QTAC and satisfy the entry requirements for the Advanced Diploma in Engineering (Mechanical) at Brisbane North Institute of TAFE, Moreton Institute of TAFE and Yeronga Institute of TAFE.

Dual TAFE/QUT Awards

This dual award is a cooperative arrangement between QUT, the Brisbane North Institute of TAFE and Metropolitan South Institute of TAFE. It is a specially designed course offering a two-year Advanced Diploma at the participating TAFE institutes followed by a third year at QUT to qualify for a Bachelor of Technology degree. In their second year students study units from both QUT and TAFE.

Career Outcomes

Technologists may work closely with professional engineers and be involved in using advanced computer skills for technical analysis and detailed design, or administration. Other areas of employment included the manufacturing sector concerned with the organisation and maintenance of manufacturing facilities and the quality assurance and control of products.

Professional Recognition

This course has provisional accreditation from Engineers Australia (EA).

Special Course Requirements

Students must obtain at least 50 days of industrial experience with a minimum of 25 days in a engineering environment approved by the course coordinator.

Further Information

Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.com

Deferment

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

Course structure

Year 1 - Semester 1 - TAFE	
MEM30.2A	Produce basic engineering graphics (with MEM30.3A)
MEM30.3A	Produce engineering drawings (with MEM30.2A)
MEM16.8A	Interact with computer technology
MEM12.25B	Use graphical techniques & perform simple Statistical computations (with MEM23.41A)
MEM23.41A	Apply basic scientific principles and techniques in mechanical engineering situations (With MEM12.25A)
MEM12.24A	Perform Computations (with MEM30.12A)
MEM30.12A	Apply mathematical techniques (with MEM12.24A)
MEM30.1A	Use CAD systems to produce basic engineering drawings
MEM30.7A	Select common Engineering Materials (with MEM23.61A Semester 2)
CEA101	Civil engineering maths (Southbank)

Year 1 - Semester 2 - TAFE	
MEM9.5B	Perform basic engineering detail drafting
MEM23.61A	Select and test mechanical engineering materials (with MEM30.7A Semester 1)
MEM23.71A	Select and Apply mechanical engineering method, processes and construction techniques
MEM30.5A	Calculate force systems within simple beam structures
MEM23.41A	Apply basic scientific principles and techniques in mechanical engineering situations (continue from semester 1)
CEA108	Advanced Mathematics (Southbank)

Year 2 - Semester 1 - TAFE/QUT	
MEM30.8A	Apply basic economic and ergonomic concepts to evaluate engineering applications
MEM23.81A	Apply scientific principles and techniques in mechanical engineering situations
MEM23.3A	Operate and program computers and or controllers in engineering situations
MEM30.6A	Calculate stresses in simple structures
MEM23.91A	Apply mechanical system design principles and techniques in mechanical engineering situations

MEM23.51A	Apply Basic electro and control scientific principles and techniques in mechanical manufacturing engineering situations
MAB132	Engineering Mathematics 2A
MMB211	Mechanics 1
	Elective

Year 2 - Semester 2 - TAFE/QUT

MEM22.1A	Perform Engineering Activities (Occupational Health & Safety)
MEM22.1A	Perform Engineering Activities (Machining)
MEM22.1A	Perform Engineering Activities (Hand & Power tools)
ENB103	Electrical Engineering
MAB136	Engineering Statistics
MMB232	Materials Technology

Year 3 - Semester 1 - QUT

EEB220	Electrical Engineering 2M
MMB300	Project 2T
MMB371	Manufacturing Processes
MMB381	Design of Mechanical Components and Machines

Year 3 - Semester 2 - QUT

MMB252	Thermofluids
MMB212	Mechanics 2
MMB312	Mechanical Measurement
MMB376	Professional Practice (Engineering Management)

Note

MMB, EEB and MAB units = QUT units.

Potential Careers:

Mechanical Engineer, Technical Officer.

Bachelor of Engineering (Infomechatronics) (ME40)

Year offered: 2007
Admissions: Yes
CRICOS code: 037550J
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 $20160
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412502; Dfee: 412506
Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.
OP Guarantee: Yes
Total credit points: 384
Standard credit points per full-time semester: 48
Course coordinator: Dr R.Mahalinga-Iyer
Discipline coordinator: Dr Gary Chadwick
Campus: Gardens Point

Additional Admission Information

The ME40 Bachelor of Engineering (Infomechatronics) course has been replaced by EN40 Bachelor of Engineering (Infomechatronics) from 2006 onwards. There will be no intake into the ME40 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Career Outcomes

This leading edge degree provides graduates with the combined skills of mechanical engineering, electrical and electronic engineering and information technology to work in the high tech fields of automated systems and robotics for the design, development, construction and service of modern equipment and plant. Graduates from this degree may expect to find employment as consultants, project managers, designers, and maintenance and instrumentation engineers in a wide variety of work situations. The range of employment opportunities is diverse and extensive. Some typical examples of organisations may include: manufacturing plants of consumer products, computer peripherals manufacturers/maintenance companies, automobile manufacturing industries, large scale manufacturing/maintenance industries such as Boeing, instrumentation industries, communication companies, research organisations, food and food processing industries and software development companies.

Overview

This course bridges the three, traditionally separate, disciplines of Mechanical Engineering, Electrical and Electronic Engineering, and Computing and provides the combined skills required for the design, development, construction and service of modern systems and equipment. Advanced units emphasis the integration of knowledge and skills that impact on all aspects of the design, construction and service of modern computer controlled machines. In the final year a one-semester industry project will integrate and reinforce what has been learned through application in a real world setting.

Professional Recognition

This course has provisional accreditation from Engineers Australia (EA).

Special Course Requirements

Students must obtain at least 60 days of industrial work experience in an engineering environment approved by the course coordinator.

Articulation to Masters

Subject to University approval, students achieving a minimum performance criteria at the end of year 3 of the Bachelor of Engineering course, may be eligible to study two Master of Engineering Science or Master of Engineering Management units as electives. After successfully completing the Bachelor of Engineering course, students eligible to enrol in the Master of Engineering Science or Master of Engineering Management courses can then have these two units credited towards the Masters Program.

Further Information

Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.com

Deferment

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

Course structure

Year 3 - Semester 1	
EEB311	Electrical Measurement and Machines
MMB211	Mechanics 1
MMB371	Manufacturing Processes
	Elective

Year 3 - Semester 2	
EEB411	Classical Control and Power Systems
ITB745	Operating Systems
MMB212	Mechanics 2
MMB374	Design for Manufacturing 1

Year 4 - Semester 1	
EEB521	Digital Systems and Control
ITB742	Computational Intelligence

MMB478	Mechatronics System Design
	Elective

Year 4 - Semester 2	
MMB376	Professional Practice (Engineering Management)
MMB004	Infomechatronics Project

Electives	
EEB512	Industrial Electronics and Digital Design
EEB566	Real-Time Computer-Based Systems
ENB242	Introduction To Telecommunications
ITB006	Networks
ITB712	Software Engineering Studies
ITB743	Artificial Intelligence
MMB311	Mechanics 3
	null
	Please check unit availability as not all units are offered every year.

Note:	
	Students must complete 60 days Industrial Experience

Potential Careers:

Manager, Manufacturer, Mechanical Engineer.

Bachelor of Engineering (Mechanical) (ME41)

Year offered: 2007
Admissions: Yes
CRICOS code: 003490G
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 $20160
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February and July
International Entry: February (July entry available to students entering with Advanced Standing)
QTAC code: 412502; Dfee: 412506
Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.
OP Guarantee: Yes
Total credit points: 384
Standard credit points per full-time semester: 48
Course coordinator: Dr R.Mahalinga-Iyer
Discipline coordinator: Dr Gary Chadwick
Campus: Gardens Point

Additional Admission Information

The ME41 Bachelor of Engineering (Mechanical) course has been replaced by EN40 Bachelor of Engineering (Mechanical) from 2006 onwards. There will be no intake into the ME41 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Career outcomes

The Bachelor of Engineering (Mechanical) provides a sound education in the basic engineering sciences, synthesis and design, engineering management functions, and the social, economic and ethical aspects of engineering practice. Graduates from this degree may find employment in a variety of roles: consultant, project manager or technical adviser where they maybe involved in the operation of large, integrated energy-based plants such as mining, power stations, sugar factories, oil refineries etc. Others may work under the guidance of more experienced staff selecting equipment, installing and commissioning plants. Some graduates will go into design offices or manufacturing plants where they will be concerned principally with the logistics of production and the efficient management of people and systems.

Overview

This degree offers a balanced mix of theory and practice with the objective of preparing graduates for the work environment. Students will receive a thorough grounding in the engineering sciences and hands-on, practical experience in real world problem solving and application of theory to suit industry needs.

Engineering Management Major

Students enrolled in the Bachelor of Engineering (Mechanical) have the opportunity to undertake a major in Engineering Management during the final two years of their degree. Students wishing to undertake the major should consult the course coordinator.

Professional Recognition

Graduates meet the requirements for membership of Engineers Australia, the Singapore Professional Engineers Board and the Lembaga Jurutera (Board of Engineers) Malaysia. The course is also professionally recognised by the Hong Kong Institution of Engineers, the UK Institution of Mechanical Engineers, the Institution of Professional Engineers, New Zealand, and the Institution of Engineers, Ireland. The Indonesian Directorate of Higher Education accredit the course as equivalent to the appropriate Indonesian degree.

Minors

Subject to the approval of the Course Coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. This will not affect the total number of credit points required for course completion. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Mid-year Entry

The ME42 Bachelor of Engineering (Mechanical) midyear course has been replaced by EN40 Bachelor of Engineering (Mechanical) from 2006 onwards. There will be no midyear intake into the ME42 course in 2007 with the exception of QTAC applicants commencing their studies with at least 168 credit points of advanced standing (academic credit).

If offered a place, you may be are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Special course requirements

A candidate for the degree of Bachelor of Engineering (Mechanical) must complete at least 60 days of industrial experience/practice in an engineering environment approved by the course coordinator.

Further Information

Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.com

Deferment

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

Course structure

Year 3 - Semester 1

MMB311	Mechanics 3
MMB352	Fluid Mechanics
MMB371	Manufacturing Processes
MMB381	Design of Mechanical Components and Machines

Year 3 - Semester 2

MMB376	Professional Practice (Engineering Management)
MMB351	Thermodynamics
MMB382	Design and Maintenance
	Elective from Group A

Year 4 - Semesters 1and 2

	OPTION 1
MMB400	Industry Project
	3 electives from Group A and 1 elective from Group B
	OPTION 2
MMB401-1	Project
MMB401-2	Project
	3 electives from Group A and 1 elective from Group B
	Note: Students in this course must complete 60 days industrial experience before graduating.

Engineering Management Major

Students wishing to undertake the Engineering Management major should consult their course coordinator.

Year 3 - Semester 1

MMB311	Mechanics 3
MMB352	Fluid Mechanics
MMB371	Manufacturing Processes
MMB381	Design of Mechanical Components and Machines

Year 3 - Semester 2

MMB376	Professional Practice (Engineering Management)
MMB351	Thermodynamics
MMB382	Design and Maintenance
MMB476	Operations Management

Year 4 - Semester 1

MMB375	Industrial Engineering
MMB470	Engineering Asset Management and Maintenance
	Two units electives from Group C.

Year 4 - Semester 2

MMB402-1	Engineering Management Project
MMB402-2	Engineering Management Project

ME42 BEngineering (Mechanical) Mid-year entry

Year 3 - Semester 1

EEB220	Electrical Engineering 2M
MMB311	Mechanics 3
MMB352	Fluid Mechanics
MMB371	Manufacturing Processes
MMB381	Design of Mechanical Components and Machines

Year 3 - Semester 2

MMB376	Professional Practice (Engineering Management)
MMB351	Thermodynamics
MMB382	Design and Maintenance
	Group A - Elective

Year 4 - Semesters 1and 2

	OPTION 1
MMB400	Industry Project
	3 electives from Group A and 1 electives from Group B
	OPTION 2
MMB401-1	Project
MMB401-2	Project
	3 electives from Group A and 1 electives from Group B
	Note: Students in this course must complete 60 days industrial experience before graduating.

Engineering Management Major

See February entry, ME41 B Engineering (Mechanical)

Electives

Electives - Group A - Semester 1

MMB375	Industrial Engineering
MMB451	Energy Management
MMB461	Process Systems Design
MMB472	Design for Manufacturing 2
	Any unit from another Faculty approved by the Course Coordinator.

Electives - Group A - Semester 2

MMB353	Tribology
MMB411	Advanced Automatic Control
MMB412	Finite Element Analysis
MMB413	Industrial Noise and Vibrations
MMB430	Advanced Materials
MMB450	Air Conditioning
MMB471	Computer Integrated Manufacturing
	Any unit from another Faculty approved by the Course Coordinator.

Electives - Group B	
MMB470	Engineering Asset Management and Maintenance
MMB476	Operations Management
	Any Management unit approved by the Course Coordinator.
	null

Electives - Group C	
AMB240	Marketing Planning and Management
BSB122	Quantitative Analysis and Finance
MGB211	Organisational Behaviour
MMB451	Energy Management
	null

Electives Note	
	MMB411, MMB430, MMB471 only available in odd years.
	MMB450, MMB461, MMB472 only available in even years.

Potential Careers:

Mechanical Engineer.

Bachelor of Engineering (Mechanical) Conversion Program from Bachelor of Technology ME36/ME37 (ME41)

Year offered: 2007
Admissions: Yes
CRICOS code: 003490G
Course duration (full-time): 1.5 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: Full fee tuition $20160
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February and July
International Entry: February (July entry available to students entering with Advanced Standing)
QTAC code: 412502; Dfee: 412506
Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.
OP Guarantee: Yes
Total credit points: 144
Course coordinator: Dr R.Mahalinga-Iyer
Discipline coordinator: Dr Gary Chadwick
Campus: Gardens Point

Entry Requirements

Bachelor of Technology (Mechanical) from QUT. Applications are made using an I-form for the semester immediately after completion of ME36/37. Students wishing to enter at a later date must apply for the Bachelor Engineering (Mechanical) via QTAC.

Career Options

The Bachelor of Engineering (Mechanical) provides a sound education in the basic sciences, engineering sciences, engineering synthesis and design, the interrelationship between engineering and various management functions, and the social, economic and ethical aspects of engineering practice. Graduates from this degree may expect to find employment in a variety of roles: consultant, project manager, technical adviser. Some are given their initial graduate training in areas where they learn the operating characteristics and expected performance of large, integrated energy-based plants such as mining, power stations, sugar factories, oil refineries etc. Others work under the guidance of more experienced staff where they must select equipment, negotiate with suppliers and install and commission plants. Some graduates will go into design offices dealing with air conditioning and refrigeration systems, steam boilers and associated large materials handling plants. Those who go into manufacturing plants will be concerned principally with the logistics of production and the efficient management of people and systems.

Overview

This degree builds on the Bachelor of Technology and offers a balanced mix of theory and practice with the objective of preparing graduates for work as engineers. Students will continue their studies to inlcude more in-depth study of mechanical engineering sciences including hands-on, practical experience in real world problem solving and application of theory to suit industry needs.

Professional Recognition

This degree is recognised for the purpose of membership of Engineers Australia. It is professionally recognised by the Hong Kong Institution of Engineers, the UK Institution of Mechanical Engineers, the Institution of Professional Engineers, New Zealand, and the Institution of Engineers, Ireland. Graduates meet the requirements for membership of the Singapore Professional Engineers Board, and the Lembaga Jurutera (Board of Engineers) Malaysia. The course is also accredited by the Indonesian Directorate of Higher Education as equivalent to the appropriate Indonesian degree.

Further information

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Deferment

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

Course structure

Year 1, Semester 1	
MAB312	Linear Algebra
MMB311	Mechanics 3
MMB352	Fluid Mechanics
MMB381	Design of Mechanical Components and Machines

Year 1, Semester 2	
MAB101	Statistical Data Analysis 1
MMB351	Thermodynamics
MMB382	Design and Maintenance
	Group A Elective
	[See Electives under ME41-Bachelor of Engineering (Mechanical)]

Year 2, Semester 1	
MMB400	Industry Project
	OR
MMB401-1	Project
MMB401-2	Project

Potential Careers:

Engineering Technologist, Mechanical Engineer, Technical Officer.

Bachelor of Engineering (Medical) (ME48)

Year offered: 2007
Admissions: No
CRICOS code: 003490G
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 $20160
International Fees (per semester): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412502; Dfee: 412506
Past rank cut-off: 80. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.
OP Guarantee: Yes
Total credit points: 384
Course coordinator: Dr R.Mahalinga-Iyer
Discipline coordinator: Dr Gary Chadwick
Campus: Gardens Point

Additional Admission Information

The ME48 Bachelor of Engineering (Medical) course has been replaced by EN40 Bachelor of Engineering (Medical) from 2006 onwards. There will be no intake into the ME48 course in 2008 with the exception of QTAC applicants commencing their studies with at least 240 credit points of advanced standing (academic credit); i.e. those students who will be starting in the fourth year of the program.

If offered a place you are required to attend an in-person academic credit and enrolment session as detailed in your enrolment materials.

Career Outcomes

Medical engineering integrates physical, chemical, mathematical, and computational sciences and engineering principles to study human biology, medicine, human behaviour and health. The Bachelor of Engineering (Medical) provides the skills to design, manufacture, install, monitor and maintain medical and surgical equipment and to provide advice on engineering matters to medical and allied staff. Graduates from this degree may expect to find employment in hospitals as advisors to health and medical professionals, in firms concerned with the design, manufacture, supply and maintenance of medical, health and sporting equipment, occupational health agencies and in research institutions. In the early stages of their careers biomedical engineers might expect to be involved in the innovative use of technology, in the design of new devices and the assessment of appropriate engineering solutions to medical problems. More experienced biomedical engineers manage Biomedical Engineering Departments in hospitals and manufacturing companies and lead teams of engineers and technologists in the development of engineering solutions to improve health care.

Overview

This course provides students with the skills of mechanical engineering technology and the knowledge of the human body to design, manufacture and maintain equipment and aids for the medical, rehabilitation and sports environments. Students can choose electives such a physiology, rehabilitation psychology and robotics in health care. Current issues such as total quality management and health legislation are also covered. In the final year, students undertake a design project in the biomedical field.

Professional Recognition

This course is accredited by Engineers, Australia (EA).

Special Course Requirements

Students must obtain at least 60 days of industrial employment in an engineering environment approved by the course coordinator. Half of this experience must be in an industry related to Biomedical Engineering.

Articulation to Masters

Subject to University approval, students achieving a minimum performance criteria at the end of year 3 of the Bachelor of Engineering course, may be eligible to study two Master of Engineering Science or Master of Engineering Management units as electives. After successfully completing the Bachelor of Engineering course, students eligible to enrol in the Master of Engineering Science or Master of Engineering Management courses can then have these two units credited towards the Masters Program.

Further Information

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Deferment

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

Course structure

Year 3 - Semester 1	
EEB220	Electrical Engineering 2M
MMB311	Mechanics 3
MMB371	Manufacturing Processes
MMB391	Biomechanical Engineering Systems

Year 3 - Semester 2	
MMB292	Biomaterials
	even years only
	or
MMB362	Biofluids
	odd years only
MMB376	Professional Practice (Engineering Management)
MMB392	Bioengineering Design 2
PCB605	Biomedical Instrumentation

Year 4 - Semester 1	
MMB409-1	Project
MMB470	Engineering Asset Management and Maintenance
	Elective from list A

Year 4 - Semester 2	
MMB409-2	Project
MMB492	Health Legislation and the Medical Environment
	Elective from list B

Elective List A	
MMB494	Rehabilitation Equipment Design and Evaluation
PUB112	Workplace Health and Safety
	Any other elective approved by the Course Coordinator.

Elective List B	
MMB411	Advanced Automatic Control
MMB412	Finite Element Analysis
MMB496	Modelling and Simulation for Medical Engineers
PCB805	Medical Imaging and Image Processing
	Any other elective approved by the Course Coordinator.
	MMB411 is offered in odd years only

Potential Careers:

Bioengineer, Biomedical Engineer, Medical Engineer, Rehabilitation Engineer.

Graduate Certificate in Engineering Management (ME75)

Year offered: 2007
Admissions: Yes
CRICOS code: 018208C
Course duration (full-time): 1 semester
Course duration (part-time): 1 year
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 48
Course coordinator: Associate Professor Andy Tan
Campus: Gardens Point

Entry Requirements

A bachelor degree in engineering or relevant training and experience, as assessed by the course coordinator. Part-time students are expected to be employed in some professional engineering capacity.

Articulation to Masters Program

Students who enter the Graduate Certificate on the basis of relevant training and experience and obtain a grade point average of 5 or above maybe eligible to articulate with credit to the Master of Engineering Management program.

Overview

This course combines training in engineering management with advanced elective studies in related fields. It is suitable for those seeking to obtain a formal qualification in management while advancing engineering skills and knowledge. The core units provide an opportunity for postgraduate studies in engineering management, and the elective units allow specialisation in manufacturing and/or maintenance engineering. Applicants can take up to two electives from other disciplines.

Course Structure

Graduate Certificate students will take four units all of which are offered as part of the Master of Engineering Management.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 1993, Fax +61 7 3864 9361, email: bee.enquiries@qut.com

Course structure

Block Mode #	
MEN170	Systems Modelling and Simulation
MEN171	Advanced Manufacturing Technologies
MEN172	Cost Analysis and Asset Management
MEN175	Energy and Environmental Management
MEN177	Total Quality Management
MEN241	Reliability and Maintenance Management
MEN272	Enterprise Resources Planning
MEN273	Engineering Knowledge Management
MEN280	Engineering Project Management

Block mode

Students take 4 units.

Block mode classes are held in teaching periods which run consecutively for 5 weeks at a time, instead of semesters. Classes are held on Tuesday and Thursday from 4pm to 8pm, and Saturday from 9am to 5pm in the first two weeks of a teaching period.

Please check QUT Virtual or contact the School Administration Officer for details of teaching periods for the above block mode units.

Master of Engineering Management (ME76)

Year offered: 2007
Admissions: Yes
CRICOS code: 006368G
Course duration (full-time): 1 year
Course duration (part-time): 2 years
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Andy Tan
Campus: Gardens Point

Overview

This course combines training in engineering management with advanced elective studies in related fields. It is suitable for those seeking to obtain a formal qualification in management while advancing engineering skills and knowledge. The core units provide an opportunity for postgraduate studies in engineering management, and the elective units allow specialisation in manufacturing and/or maintenance engineering.

Entry Requirements

A bachelor degree in engineering (or its equivalent).

Course Structure

Masters students take eight units or 96 credit points. Units MEN172, MEN177, and MEN280 are normally compulsory, but may be substituted with the approval of the courses coordinator if the student has adeqaute prior knowledge in the relevant field. With approval of the Course Coordinator students can take up to two graduate level electives from other disciplines.

International Student Entry

QUT advises that International students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 1993, Fax +61 7 3864 9361, email: bee.enquiries@qut.com

Course structure

Block Mode#	
MEN170	Systems Modelling and Simulation
MEN171	Advanced Manufacturing Technologies
MEN172	Cost Analysis and Asset Management
MEN175	Energy and Environmental Management
MEN177	Total Quality Management
MEN241	Reliability and Maintenance Management
MEN272	Enterprise Resources Planning
MEN273	Engineering Knowledge Management
MEN280	Engineering Project Management
	Up to two graduate level units from any School within the University*

Semester 1 or 2	
MEN190-1	Project
MEN190-2	Project
	Project may be taken over one or two semesters. Students taking Project over one semester must enrol in both components of the unit concurrently. Course coordinator approval is required to take Project.

Block Mode
Block mode classes are held in teaching periods, which run consecutively for 5 weeks at a time, instead of semesters. Classes are held on Tuesday and Thursday from 4pm to 8pm, and Saturday from 9am to 5pm in the first two weeks of a teaching period. Please check QUT Virtual or contact the School Administration Officer for details of teaching periods for the above block mode units.

Note:
Students complete 8 units. Units MEN172, MEN177 and MEN280 are normally compulsory, but may be substituted with the approval of the course coordinator if the student has adequate prior knowledge in the relevant field.
* Permission of the course coordinator required.

Master of Engineering Science (Mechanical Engineering Studies) (ME80)

Year offered: 2007
Admissions: Yes
CRICOS code: 042261J
Course duration (full-time): 1 year
Course duration (part-time): 2 years
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Course coordinator: Associate Professor Andy Tan
Campus: Gardens Point

Entry Requirements

A Bachelor of Engineering degree with honours in Mechanical Engineering OR equivalent, with a grade point average of at least 5 on a 7-point scale.

Course Structure

The flexible Master of Engineering Science (Mechanical Engineering Studies) program allows students to choose 3 units from a common pool of units offered by all the Engineering Schools (Band 1). A band of Mechanical Engineering units is then offered from which students choose 3 (Band 2). Any units from Band 1 could also be chosen for Band 2 provided that they come from the School of Mechanical, Manufacturing and Medical Engineering. Mechanical Engineering Specialised units allow students to undertake study in the areas of Medical Engineering, Infomechatronics, Engineering Management and general mechanical engineering , such as tribology, maintenance, manufacturing etc. Band 3 requires enrolment in a Mechanical Engineering Project (equivalent to 24 credit points).

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 1993, Fax +61 7 3864 9316, email: bee.enquiries@qut.com

New heading

New text

Course structure

Full-time Course Structure

Band 1 Units

Choose 3 units from the following Band 1 units.

Band 1 - Semester 1

CEP201	Process Modelling
CEP291	Environmental Law and Assessment
CEP294	Engineering Contract Development and Administration
EEP101	Algorithms for Control and Engineering
EEP102	Unix and C for Engineers
EEP103	Computer Hardware and Interfacing
MEN101	Research Methodology

Band 1 - Semester 2

CEP141	Studies in Environmental Engineering
CEP295	Civil Engineering Management in a Project Environment
EEP129	Image Processing and Computer Vision
MEN102	Advanced Mechanical Engineering Studies

Band 1 - Block Mode#

MEN170	Systems Modelling and Simulation
MEN172	Cost Analysis and Asset Management
MEN280	Engineering Project Management

#Block mode classes are held in teaching periods, which run consecutively for 5 weeks at a time, instead of semesters. Classes are held on Tuesday and Thursday from 4pm to 8pm, and Saturday from 9am to 5pm in the first two weeks of a teaching period. Please check QUT Virtual or the School Administration Officer for details of teaching periods for the above block mode units.

Band 2 Units

3 units are to be chosen from the range of Band 2 units.

Band 2 - Block Mode#

MEN171	Advanced Manufacturing Technologies
MEN175	Energy and Environmental Management
MEN177	Total Quality Management
MEN241	Reliability and Maintenance Management
MEN272	Enterprise Resources Planning
MEN273	Engineering Knowledge Management

#For block mode classes see above.

Band 2 - Semester 1,2or3

MEN103	Mechanical Engineering Specialised Unit 1
MEN104	Mechanical Engineering Specialised Unit 2
MEN105	Mechanical Engineering Specialised Unit 3

Students must consult with the course coordinator before enrolling in MEN103, 104 or 105.

Band 3 Project

Project must normally be taken but may be substituted with the approval of the course

coordinator for two additional Band 2 units

Band 3 - Semester 1 or 2	
MEN190-1	Project
MEN190-2	Project

Note	
	MEN101 Research Methodology and MEN102 Advanced Mechanical Engineering Studies must normally be taken, but may be substituted with the approval of the course coordinator if the student has adequate prior knowledge in the relevant field.

Potential Careers:

Mechanical Engineer.

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

Bachelor of Surveying (PS47)

Year offered: 2007
Admissions: No
CRICOS code: 016354J
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 $20160
International Fees (per semester): 2007:$10,000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412532; Dfee: 412536
Past rank cut-off: 72. Admission to this course is based on prior study entry requirements in addition to a rank. Please refer to Additional Admission Information. Dfee places were not offered last year.
OP Guarantee: Yes
Total credit points: 384
Course coordinator: Dr John Hayes
Discipline coordinator: Mr Kevin Jones
Campus: Gardens Point

Additional Admission Information

The PS47 Bachelor of Surveying course has been replaced by UD40 Bachelor of Urban Development (Spatial Science) from 2006 onwards. There will be no intake into the PS47 course in 2007 with the exception of QTAC applicants commencing their studies with at least 168 credit points of advanced standing (academic credit); i.e. those students who will be starting in the third year of the program.

If offered a place you are not required to lodge an academic credit form, as academic credit will be awarded by QUT before the census date of your first teaching period.

If offered a place you are not required to lodge an academic credit form, as academic credit will be awarded by QUT before the census date of your first teaching period. After being awarded this credit and if you wish to seek for additional academic credit, you are then required to lodge an Application for Academic Credit form for that additional credit by the due date and subject QUT rules .

Career Outcomes

Surveyors assess geographic and land information for implementing appropriate administration for the land, sea and related structures. All levels of government, private practice and multi-national companies, statutory authorities or semi-government agencies employ them. Graduates have the opportunity to travel as the degree is readily accepted overseas. After some years of experience they may become managers or specialise. Surveyors may also work in one of the related fields such as geographic information systems, remote sensing or photogrammetry.

Overview

The Bachelor of Surveying degree is a broad-based course. The first year is a foundation year designed to prepare students to deliver practical solutions to problems involving spatial information and decision-making. Students study foundation units such as mathematics, physic, computing skills, environmental science as well s surveying in their first year In the following years the areas covered are geodetic and control surveying, topographic mapping, photogrammetry, mine surveying, hydro graphic surveying, land development design and geographic information systems.

Professional Recognition

Australia: The Bachelor of Surveying degree meets the requirements for membership of The Spatial Science Institute(Incorporating the Institution of Surveyors, Australia, the Institution of Engineering and Mining Surveyors, Australia and the Mapping Sciences Institute, Australia).

Overseas: Surveying graduates are readily accepted internationally.

Minors

Subject to the approval of the course coordinator, students may be able to choose a minor area of study. A minor is a collection of four units from the one study area, that totals 48 credit points. Students may choose from the list of minors, available from the office of the Faculty of Built Environment and Engineering.

Special Course Requirements

Students are required to attend compulsory field practicals off-campus in the Moreton Region and have access to an advanced scientific calculator for use during the course. Students must obtain at least 90 days of industrial experience/practice in a surveying/mapping environment, approved by the course coordinator.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515,
email: bee.enquiries@qut.com

Deferment

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

Course structure

Year 3 - Semester 1	
CEB259	Engineering Design for Land Development
PSB612	Spatial and Land Information Management
PSB642	Control Surveying and Analysis
	Elective

Year 3 - Semester 2	
PSB613	Land Development Principles and Policies
PSB632	Photogrammetry
PSB643	Geodesy
	Elective

Year 4 - Semester 1	
PSB614	Urban and Rural Design Principles
PSB633	Map Production: Principles and Practice

PSB644	Advanced Geodesy
	Elective/Project

Year 4 - Semester 2

PSB615	Urban and Rural Design Practice
PSB621	Advanced Cadastral Surveying
PSB645	Surveying and Mapping Practice
	Elective/Project
	Students in this course must complete 90 days industrial experience before graduating.

Recommended Surveying Electives

	Year 3 - Semester 1
PSB655	Remote Sensing
	Year 3 - Semester 2
PSB652	Topics in Land Administration
	Year 4 - Semester 1
PSB655	Remote Sensing
PSB654	Topics in Spatial Information Science
PSB650	Project 1
	Year 4 - Semester 2
PSB652	Topics in Land Administration
PSB653	Topics in Surveying Engineering
PSB651	Project 2

Potential Careers:

Mapping Scientist/Photogrammetrist, Surveyor.

Graduate Diploma in Landscape Architecture (PS66)

Year offered: 2007
Admissions: Yes
CRICOS code: 003478D
Course duration (full-time): 1 year BBlt Env (L'scape Arch) graduates; 2 years other graduates
Course duration (part-time): 2 years BBlt Env (L'scape Arch) graduates; 4 years (other graduates)
Domestic fees (per credit point): Commonwealth Supported Place *(subject to annual review)*
Domestic fees (indicative): 2007: CSP $7,114
International Fees (per semester): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February. OPEN TO CONTINUING BN31 GRADUATES ONLY IN 2008.
International Entry: February. OPEN TO CONTINUING BN31 GRADUATES ONLY IN 2008.
Total credit points: 192
Course coordinator: Dr Jeannie Sim
Campus: Gardens Point

Entry Requirements

A bachelor degree or three-year diploma, or equivalent professional qualification with a minimum Grade Point Average of 4.5. Applicants entering this course from non-design qualifications require basic skills in design/perception theory, freehand and technical graphics.

In order to be considered for entry to either the Graduate Diploma or Masters courses, applicants must complete:
1. Application for Admission form
2. A personal statement in which the applicant demonstrates an understanding of the profession and the guiding belief systems of landscape architecture and shows the applicant's potential to 'fit' within this profession.
3. An Illustrated Autobiography - a concise self-expose which shows, in a combination of words and graphics, the applicant's life and interests. The objective is to give an insight into the applicant and demonstrate an aptitude for design as the core activity of the profession. This document is not a resume or curriculum vitae. It will be in A3 format and is not to exceed five pages. These documents are to be forwarded to the course coordinator.

Overview

Landscape architecture is concerned with the ordered design of open space at all scales: the appearance, atmosphere, and suitability of environment to assure its health and welfare and that of its inhabitants. Course covers landscape theory and design, professional values, environment theory, graphic and other communication, and landscape construction supported by project and field work. In the Graduate Diploma you complete a program similar to the first two years of the Masters program.

Professional recognition

This course is professionally recognised by the Australian Institute of Landscape Architects

International Student Entry

QUT advises that International Students may only enrol in full-times studies.

Further Information

Phone +61 7 3864 4074, Fax +61 7 3864 5280, e-mail: bee.enquiries@qut.com

Full-Time Course Structure*

Foundation Level Studies	
Year 1 - Semester 1	
	(Entry for graduates of 3-year degree or diploma other than the Bachelor of Built Environment - Landscape Architecture)
DLB130	Introducing Landscape Design
DLB310	People and Place
DLB330	People and Environment
PSB434	Landscape Construction A (L'scape Only)
Year 1 - Semester 2	
DLB230	Environmental Design 2
DLB410	Creative Site Design 1
PSB444	Landscape Construction B (L'scape Only)
DEB201	Digital Communication
	OR
	Elective approved by course coordinator. (program to be agreed with Course Coordinator to suit existing qualifications)
Professional Level Studies	
Year 2 - Semester 1	
	(Entry for Bachelor of Built Environment - Landscape Architecture graduates)
PSP269	Advanced Construction and Practice 1
PSP270	Elective
PSP271	Advanced Landscape Design 1
Year 2 - Semester 2	
PSP272	Advanced Construction and Practice 2
PSP273	Landscape Planning
PSP274	Advanced Landscape Design 2
* Please Note:	
	This course structure is under review and subject to University approval.

Part-Time Course Structure*

Foundation Level Studies	
Year 1 - Semester 1	
	(Entry for graduates of 3-year degree or diploma other than the Bachelor of Built Environment - Landscape Architecture)

DLB130	Introducing Landscape Design
DLB310	People and Place

Year 1 - Semester 2

DLB230	Environmental Design 2
DEB201	Digital Communication
	OR
	Elective approved by course coordinator. (program to be agreed with Course Coordinator to suit existing qualifications)

NOTE:

The following Year 2 program is for students who commenced in 2006. Year 2 will change the following year for students who commenced in 2007 as new units are implemented.

Year 2 - Semester 1

DLB310	People and Place
DLB330	People and Environment

Year 2 - Semester 2

DLB230	Environmental Design 2
DLB410	Creative Site Design 1

Professional Level Studies

Year 3 - Semester 1

	(Entry for Bachelor of Built Environment - Landscape Architecture graduates)
PSP269	Advanced Construction and Practice 1
PSP270	Elective

Year 3 - Semester 2

PSP272	Advanced Construction and Practice 2
PSP273	Landscape Planning

Year 4 - Semester 1

PSP271	Advanced Landscape Design 1

Year 4 - Semester 2

PSP274	Advanced Landscape Design 2

* Please Note:

This course structure is under review and subject to University approval.

Potential Careers:

Landscape Architect.

Master of Urban and Regional Planning (PS70)

Year offered: 2007
Admissions: Yes
CRICOS code: 020299K
Course duration (full-time): 1.5 years for Bachelor of Built Environment graduates; 2 years for other graduates
Course duration (part-time): 75% progression: 2 years for Bachelor of Built Environment graduates; 2.5 years for other graduates/50% progression: 2.5 years for Bachelor of Built Environment graduates; 3.5 years for other graduates
Domestic fees (per credit point): Commonwealth Supported Place *(subject to annual review)*
Domestic fees (indicative): 2007: CSP $7,114
International Fees (per semester): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February and July (conditions apply for July entry). NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 216
Course coordinator: Assoc Prof Phil Heywood
Campus: Gardens Point

Overview

Students develop the knowledge, skills and social awareness to become successful urban and regional planners. The course is structured around a core of planning practice and method. Contributions from theory and activity studies are integrated with this core at each stage and set within the broader socio-economic and political contexts. Flexible teaching methods include lectures, projects, workshops, seminars and field studies. In each of the last three years student projects have been awarded top planning Institute awards at State and National levels.

Entry Requirements

A bachelor degree or equivalent is required. Applicants entering this course from non-design qualifications gain basic skills in design/perception theory, and planning graphics. A two-module Summer unit is available for this purpose. Computer literacy skills are also provided for those requiring them.

Applicants without planning or related qualifications undertake a Foundation Course of six units within the course of 2 years or part time equivalent, including a Summer Semseter These requirements may be reduced by academic credit based on previous studies. A limited number of special entry places are available in the Foundation Course for suitably experienced non-graduates. Special entry includes written and oral examinations and references.

Course Structure

The course offers a variety of structures, including full-time (100% and 75% progression rates) and part-time programs (50% progression rate). Normal entry to the course is in Semester 1 or Summer Semester, though Foundation Studies entrants may, in special circumstances, be admitted in Semester 2.

Professional recognition

This course is professionally acreditated by the Planning Institute of Australia

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, e-mail: bee.enquiries@qut.com

Full-Time Course Structure

Structure for non BBE graduates

Year 1 - Semester 1

DBP403	Design Communication
DBP406	Computer Applications in Planning
	Note: DBP403 and DBP406 are introductory units to be undertaken in workshop mode in February.
DBP401	Urban Design and Site Analysis
DBP402	Planning Processes
DBP409	Urban Planning Practice
DBP410	Research Methods in Planning

Year 1 - Semester 2

DBP404	Economic and Social Foundations of Planning
DBP408	Planning Implementation and Law
DBP413	Regional Planning Practice
DBP414	Regional and Metropolitan Policy

Year 2 - Semester 1

DBP407	Environmental Planning and Management
DBP411	Community Planning
DBP412	Planning Theory and Ethics
DBP415	Professional Practice or Research Project

Year 2 - Semester 2

DBP501	Specialisation
DBP502	Professional Practice or Research Dissertation
DBP503	Masters Seminar

Structure for BBE graduates

Year 1 - Semester 1

DBP409	Urban Planning Practice
DBP410	Research Methods in Planning
DBP411	Community Planning
DBP412	Planning Theory and Ethics

Year 1 - Semester 2

DBP413 Regional Planning Practice
DBP414 Regional and Metropolitan Policy
DBP415 Professional Practice or Research Project
DBP503 Masters Seminar

Year 2 - Semester 1

DBP501 Specialisation
DBP502 Professional Practice or Research Dissertation

Part-Time Course Structure - 50% Progression Rate

Stucture for non BBE graduates

Year 1 - Semester 1

DBP403 Design Communication
DBP406 Computer Applications in Planning

Note: DBP403 and DBP406 are introductory units to be undertaken in workshop mode in February.

DBP401 Urban Design and Site Analysis
DBP402 Planning Processes

Year 1 - Semester 2

DBP404 Economic and Social Foundations of Planning
DBP408 Planning Implementation and Law

Year 2 - Semester 1

DBP409 Urban Planning Practice
DBP410 Research Methods in Planning

Year 2 - Semester 2

DBP413 Regional Planning Practice
DBP414 Regional and Metropolitan Policy

Year 3 - Semester 1

DBP407 Environmental Planning and Management
DBP411 Community Planning
DBP412 Planning Theory and Ethics

Year 3 - Semester 2

DBP415 Professional Practice or Research Project
DBP503 Masters Seminar

Year 4- Semester 1

DBP501 Specialisation
DBP502 Professional Practice or Research Dissertation

Structure for BBE graduates

Year 1 - Semester 1

DBP409 Urban Planning Practice
DBP410 Research Methods in Planning

Year 1 - Semester 2

DBP413 Regional Planning Practice
DBP414 Regional and Metropolitan Policy

Year 2 - Semester 1

DBP411 Community Planning
DBP412 Planning Theory and Ethics

Year 2 - Semester 2

DBP415 Professional Practice or Research Project
DBP503 Masters Seminar

Year 3 - Semester 1

DBP501 Specialisation
DBP502 Professional Practice or Research Dissertation

Course Structure - 75% Progression Rate

Structure for non BBE graduates

Year 1 - Semester 1

DBP403 Design Communication
DBP406 Computer Applications in Planning

Note: DBP403 and DBP406 are introductory units to be undertaken in workshop mode in February.

DBP401 Urban Design and Site Analysis
DBP402 Planning Processes
DBP410 Research Methods in Planning

Year 1 - Semester 2

DBP404 Economic and Social Foundations of Planning
DBP408 Planning Implementation and Law
DBP414 Regional and Metropolitan Policy

Year 2 - Semester 1

DBP407 Environmental Planning and Management
DBP409 Urban Planning Practice
DBP412 Planning Theory and Ethics

Year 2 - Semester 2

DBP413 Regional Planning Practice
DBP415 Professional Practice or Research Project
DBP503 Masters Seminar

Year 3 - Semester 1

DBP411 Community Planning
DBP501 Specialisation
DBP502 Professional Practice or Research Dissertation

Structure for BBE graduates

Year 1 - Semester 1

DBP409 Urban Planning Practice

DBP410 Research Methods in Planning

DBP412 Planning Theory and Ethics

Year 1 - Semester 2

DBP413 Regional Planning Practice

DBP414 Regional and Metropolitan Policy

DBP415 Professional Practice or Research Project

Year 2 - Semester 1

DBP411 Community Planning

DBP501 Specialisation

Year 2 - Semester 2

DBP502 Professional Practice or Research Dissertation

DBP503 Masters Seminar

Potential Careers:

Urban and Regional Planner.

Master of Landscape Architecture (PS71)

Year offered: 2007
Admissions: Yes
CRICOS code: 020301K
Course duration (full-time): 1 year plus 1 year part-time Built Environment (Landscape Architecture) graduates or equivalent; 2 years plus 1 year part-time (Other graduates)
Course duration (part-time): 3 years Built Environment (Landscape Architecture); 5 years (Other graduates)
Domestic fees (per credit point): Commonwealth Supported Place *(subject to annual review)*
Domestic fees (indicative): 2006:$5578
International Fees (per semester): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February (FULL-TIME ONLY). NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 228 (excluding any Masters qualifying units)
Course coordinator: Dr Jeannie Sim
Campus: Gardens Point

Entry Requirements

A bachelor degree, or equivalent professional qualification, with a minimum grade point average of 5.
Applicants entering this course from non-design qualifications require basic skills in design/perception theory, freehand and technical graphics.

In order to be considered for entry to either the Graduate Diploma or Masters courses, applicants must complete:

* Application for Admission form as well as the following which should be forwarded direct to the course coordinator.
* Position Statement - a personal statement (1 x A4 typed page) in which the applicant demonstrates an understanding of the profession and the guiding belief systems of landscape architecture and shows the applicant's potential to 'fit' within this profession.
* Illustrated Autobiography - a concise self-expose which shows, in a combination of words and graphics, the applicant's life and interests. The objective is to give an insight into the person making the application and to demonstrate an aptitude for design as the core activity of the profession. This document is not a resume or curriculum vitae, nor is it a folio of previous work experience. It will be in A3 format and is not to exceed five pages.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Overview

Landscape architecture is concerned with the ordered design of open space at all scales: the appearance, atmosphere, and suitability of environment to assure its health and welfare and that of its inhabitants. Your course covers landscape theory and design, professional values, environment theory, graphic and other communication, and landscape construction supported by project and field work.

Professional Recognition

Professional accreditation for the course has been granted by the Australian Institute of Landscape Architects.

Further Information

Phone +61 7 3864 4074, Fax +61 7 3864 5280, e-mail: bee.enquiries@qut.com

Course Structure*

Foundation Level Studies

Year 1 - Semester 1

	(Entry for graduates of 3-year degree other than the Bachelor of Built Environment - Landscape Architecture)
DLB130	Introducing Landscape Design
DLB310	People and Place
DLB330	People and Environment
PSB434	Landscape Construction A (L'scape Only)

Year 1 - Semester 2

DLB230	Environmental Design 2
DLB410	Creative Site Design 1
PSB444	Landscape Construction B (L'scape Only)
DEB201	Digital Communication
	OR
	Elective approved by course coordinator. (program to be agreed with Course Coordinator to suit existing qualifications)

Professional Level Studies

Year 2 - Semester 1

	(Entry for Bachelor of Built Environment - Landscape Architecture graduates)
PSP269	Advanced Construction and Practice 1
PSP270	Elective
PSP271	Advanced Landscape Design 1

Year 2 - Semester 2

PSP272	Advanced Construction and Practice 2
PSP273	Landscape Planning
PSP274	Advanced Landscape Design 2

Masters Level Studies

Year 3 - Semester 1

PSN211	Research Project 1
PSN213	Specialisation
	OR
PSN214	Elective

Year 3 - Semester 2

PSN212	Research Project 2
PSN213	Specialisation
	OR
PSN214	Elective
	(PSN213 and PSN214 may be taken in either semester 1 or 2)

Masters Qualifying Units - Year 4 (Semester 1 or 2)

For students upgrading an existing Professional qualification, the following Masters Qualifying units are required. (Credit in all or part may be granted at the discretion of the Course Coordinator.)

PSN207	Preparatory Specialisation 1
PSN208	Preparatory Specialisation 2
PSN209	Preparatory Electives 1
PSN210	Preparatory Electives 2

Note: Selection of foundation level units depends on individual student background - please consult course coordinator before finalising your enrolment.

* Please Note:

This course structure is under review and subject to University approval.

Part-Time Course Structure* [NOT AVAILABLE TO INTERNATIONAL STUDENTS]

Foundation Level Studies

Year 1 - Semester 1

(Entry for graduates of 3-year degree or diploma other than the Bachelor of Built Enviroment - Landscape Architecture)

DLB130	Introducing Landscape Design
DLB310	People and Place

Year 1 - Semester 2

DLB230	Environmental Design 2
DEB201	Digital Communication
	OR
	Elective approved by course coordinator. (program to be agreed with Course Coordinator to suit existing qualifications)

NOTE:

The following Year 2 program is for students who commenced in 2006. Year 2 will change the following year for students who commenced in 2007 as new units are implemented.

Year 2 - Semester 1

DLB310	People and Place
DLB330	People and Environment

Year 2 - Semester 2

DLB230	Environmental Design 2
DLB410	Creative Site Design 1

Professional Level Studies

Year 3 - Semester 1

(Entry for Bachelor of Built Environment - Landscape Architecture graudates)

PSP269	Advanced Construction and Practice 1
PSP270	Elective

Year 3 - Semester 2

PSP272	Advanced Construction and Practice 2
PSP273	Landscape Planning

Year 4 - Semester 1

PSP271	Advanced Landscape Design 1

Year 4 - Semester 2

PSP274	Advanced Landscape Design 2

Masters Level Studies

Year 5 - Semester 1

PSN211	Research Project 1
PSN213	Specialisation
	OR
PSN214	Elective

Year 5 - Semester 2

PSN212	Research Project 2
PSN213	Specialisation
	OR
PSN214	Elective
	(PSN213 and PSN214 may be taken in either semester 1 or 2.)

* Please Note:

This course structure is under review and subject to Univerversity approval.

Potential Careers:

Landscape Architect.

Graduate Diploma in Urban and Regional Planning (PS72)

Year offered: 2007
Admissions: Yes
CRICOS code: 003477E
Course duration (full-time): 1 year for Bachelor of Built Environment graduates; 1.5 years for other graduates
Course duration (part-time): 75% progression: 1.5 years for Bachelor of Built Environment graduates; 2 years for other graduates/50% progression: 2 years for Bachelor of Built Environment graduates; 2.5 years for other graduates
Domestic fees (per credit point): Commonwealth Supported Place *(subject to annual review)*
Domestic fees (indicative): 2006:$6978
International Fees (per semester): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February and July (conditions apply for July entry). OPEN TO CONTINUING BN31 GRADUATES ONLY IN FEBRUARY 2008.
International Entry: February. OPEN TO CONTINUING BN31 GRADUATES ONLY IN 2008.
Total credit points: 168
Course coordinator: Assoc Prof Phil Heywood
Campus: Gardens Point

Entry Requirements

A bachelor degree or equivalent is required. Applicants entering this course from non-design qualifications require basic skills in design/perception theory, planning graphics. A two-module full-fee paying Summer unit is available for this purpose. Computer literacy is also required.

Applicants without planning or related qualifications undertake a Foundation Course of up to six units within the Course of 1.5 years or part-time equivalent including an introductory Summer Semester. These requirements may be reduced by academic credit based on previous studies. A limited number of special entry places are available in the Foundation Course for suitably experienced non-graduates. Special entry includes written and oral examinations and references.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Overview

Students develop the knowledge,skills and social awareness to become successful urban and regional planners. The course is structured around a core of planning practice. Contributions from theory, method and activity studies are integrated with this core at each stage and set within the broader socio-economic and political contexts. Flexible teaching methods include lectures, as well as projects, workshops, seminars and field studies.

Professional Recognition

This course is professionally accredited by the Planning Institute of Australia.

Course Structure

The course offers a variety of structures, including full-time (100% and 75% progression rate) and part-time programs (50% progression rate). Normal Entry to the Course is in Semester 1 or Summer Semester, though Foundation Studies entrants may, in special circumstances, be admitted in Semester 2.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, e-mail: bee.enquiries@qut.com

Full-Time Course Structure

Stucture for non BBE graduates

Year 1, Semester 1

DBP403	Design Communication
DBP406	Computer Applications in Planning
	Note: DBP403 and DBP406 are introductory units to be undertaken in workshop mode in February.
DBP401	Urban Design and Site Analysis
DBP402	Planning Processes
DBP409	Urban Planning Practice
DBP410	Research Methods in Planning

Year 1, Semester 2

DBP404	Economic and Social Foundations of Planning
DBP408	Planning Implementation and Law
DBP413	Regional Planning Practice
DBP414	Regional and Metropolitan Policy

Year 2, Semester 1

DBP407	Environmental Planning and Management
DBP411	Community Planning
DBP412	Planning Theory and Ethics
DBP415	Professional Practice or Research Project

Structure for BBE graduates

Year 1 - Semester 1

DBP409	Urban Planning Practice
DBP410	Research Methods in Planning
DBP411	Community Planning
DBP412	Planning Theory and Ethics

Year 1- Semester 2

DBP413	Regional Planning Practice
DBP414	Regional and Metropolitan Policy
DBP415	Professional Practice or Research Project

Part-time Course Structure

Structure for non BBE graduates

Year 1, Semester 1

DBP403 Design Communication

DBP406 Computer Applications in Planning

Note: DBP403 and DBP406 are introductory units to be undertaken in workshop mode in February.

DBP401 Urban Design and Site Analysis

DBP402 Planning Processes

Year 1, Semester 2

DBP404 Economic and Social Foundations of Planning

DBP408 Planning Implementation and Law

Year 2, Semester 1

DBP409 Urban Planning Practice

DBP410 Research Methods in Planning

Year 2, Semester 2

DBP413 Regional Planning Practice

DBP414 Regional and Metropolitan Policy

Year 3, Semester 1

DBP407 Environmental Planning and Management

DBP411 Community Planning

DBP412 Planning Theory and Ethics

Year 3, Semester 2

DBP415 Professional Practice or Research Project

Structure for BBE graduates

Year 1 - Semester 1

DBP409 Urban Planning Practice

DBP410 Research Methods in Planning

Year 1 - Semester 2

DBP413 Regional Planning Practice

DBP414 Regional and Metropolitan Policy

Year 2 - Semester 1

DBP411 Community Planning

DBP412 Planning Theory and Ethics

Year 2 - Semester 2

DBP415 Professional Practice or Research Project

75% Progression Rate Course Structure

Structure for non BBE graduates

Year 1, Semester 1

DBP403 Design Communication

DBP406 Computer Applications in Planning

Note: DBP403 and DBP406 are introductory units to be undertaken in workshop mode in February.

DBP401 Urban Design and Site Analysis

DBP402 Planning Processes

DBP409 Urban Planning Practice

DBP410 Research Methods in Planning

Year 1, Semester 2

DBP404 Economic and Social Foundations of Planning

DBP408 Planning Implementation and Law

DBP414 Regional and Metropolitan Policy

Year 2, Semester 1

DBP407 Environmental Planning and Management

DBP411 Community Planning

DBP412 Planning Theory and Ethics

Year 2, Semester 2

DBP413 Regional Planning Practice

DBP415 Professional Practice or Research Project

Structure for BBE graduates

Year 1, Semester 1

DBP409 Urban Planning Practice

DBP410 Research Methods in Planning

DBP412 Planning Theory and Ethics

Year 1 , Semester 2

DBP413 Regional Planning Practice

DBP414 Regional and Metropolitan Policy

DBP415 Professional Practice or Research Project

Year 2, Semester 1

DBP411 Community Planning

Potential Careers:

Urban and Regional Planner.

Graduate Certificate in Geomatics (PS73)

Year offered: 2007
Admissions: No
CRICOS code: 036436G
Course duration (full-time): 1 semester
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): 2007: $10,500 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
Total credit points: 48
Course coordinator: Dr John Hayes
Campus: Gardens Point

Entry Requirements

A recognised tertiary degree requiring at least four years full time study or its equivalent;
OR a degree from another tertiary institution considered by the Head of School to be at least equivalent to the degree of Bachelor of Surveying of this University.

In addition, graduates should have at least one year's field experience (or its equivalent) following graduation in the practice of surveying. Entry will also be available on the basis of other academic qualifications supported by a minimum of 2 years work experience of relevant depth and breadth on application to the Head of School.

Professional Recognition

The Graduate Certificate is recognised professionally by the Mapping Sciences Institute, Australia.

Overview

The content includes subjects in geomatics, geographic information systems (GIS) and spatial sciences at undergraduate level, postgraduate level, or project based. Individual programs can therefore be advised to suit the needs of individual students.

International Student Entry

QUT advises that international students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Full-Time Course Structure - February Entry

Year 1, Semester 1	
PSB654	Topics in Spatial Information Science
UDB281	Geographic Information Systems
	2 Electives

Notes:

Electives are subject to availability and confirmation by consultation with Course Coordinator.

Full time students enrol in 48 credit points each semester: 2 core units and 2 elective units.

Please consult with the Course Coordinator before finalising your enrolment.

Graduate Diploma in Geomatics (PS74)

Year offered: 2007
Admissions: No
CRICOS code: 036437G
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: Full fee tuition $12480
International Fees (per semester): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
Total credit points: 96
Course coordinator: Dr John Hayes
Campus: Gardens Point

Entry Requirements

A recognised tertiary degree requiring at least four years full time study or its equivalent;
OR a qualification from another tertiary institution considered by the Head of School of Design and Built Environment to be at least equivalent to the degree of Bachelor of Surveying of this University. In addition, graduates should have at least one year's field experience (or its equivalent) following graduation in the practice of surveying. Entry will also be available on the basis of other academic qualifications supported by a minimum of 2 years work experience of relevant depth and breadth on application to the Head of School.

Please note

The School reserves the right to offer this course according to enrolment quotas and staff availability.

Professional Recognition

The Diploma is recognised professionally by the Mapping Sciences Institute, Australia (now the Spatial Sciences Institute).

Overview

The content includes subjects in geomatics, geographic information systems (GIS) and spatial sciences at undergraduate level, postgraduate level, or project based. Individual programs can therefore be advised to suit the needs of individual students.

International Student Entry

QUT advises that international students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Full-Time Course Structure - February Entry

Year 1 - Semester 1	
PSB655	Remote Sensing
UDB281	Geographic Information Systems
	2 Electives

Year 1 - Semester 2	
PSB654	Topics in Spatial Information Science
PSN213	Specialisation
	2 Electives

Notes
Electives are subject to availability and confirmation by consultation with Course Coordinator.
Full time students enrol in 48 credit points each semester: 2 core units and 2 elective units.
Please consult with the Course Coordinator before finalising your enrolment.

Graduate Certificate in Landscape Techniques (PS75)

Year offered: 2007
Admissions: No
CRICOS code: 037545F
Course duration (full-time): 1 semester
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
Total credit points: 48
Course coordinator: Dr Jeannie Sim
Campus: Gardens Point

Entry Requirements

A relevant two year diploma and industry experience or approved equivalent; or a three year diploma or bachelors degree. Applicants from non-design qualifications require basic skills in design/perception theory, freehand and technical graphics. Computer literacy is also required.

Overview

This course covers landscape theory and design, professional values, environmental theory, graphic and other communication, and landscape construction supported by project and fieldwork.

Please note

The School reserves the right to offer this course according to enrolment quotas and staff availability.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 4074, Fax +61 7 3864 5280, email: bee.enquiries@qut.com

Full-Time Course Structure*

Year 1 - Semester 1	
DLB130	Introducing Landscape Design
DLB310	People and Place
DLB330	People and Environment
PSB434	Landscape Construction A (L'scape Only)

* Please Note:
Course structure under review and subject to University approval.

Part-Time Course Structure*

Year 1 - Semester 1	
DLB130	Introducing Landscape Design
PSB434	Landscape Construction A (L'scape Only)

Year1 - Semester 2	
PSB444	Landscape Construction B (L'scape Only)
DEB201	Digital Communication
	OR
	Elective approved by course coordinator. (program to be agreed with Course Coordinator to suit existing qualifications)

*Please Note:
This course structure is under review and subject to University approval

Potential Careers:

Landscape Architect.

Graduate Certificate in Landscape Design (PS76)

Year offered: 2007
Admissions: No
CRICOS code: 037546E
Course duration (full-time): 1 semester
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
Total credit points: 48 credit points
Course coordinator: Dr Jeannie Sim
Campus: Gardens Point

Entry Requirements

To be eligible for admission, an applicant must have completed PS75 Graduate Certificate in Landscape Techniques or an approved equivalent.

Please note

The School reserves the right to offer this course according to enrolment quotas and staff availability.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Overview

This Graduate Certificate covers landscape theory and design, professional values, environment theory graphic and other communication, and landscape construction supported by project and field work.

Further Information

Phone +61 7 3864 4074, Fax +61 7 3864 5280, email: bee.enquiries@qut.com

Full-Time Course Structure*

Year 1 - Semester 2	
DLB230	Environmental Design 2
PSB444	Landscape Construction B (L'scape Only)
PSP268	Site Planning
DEB201	Digital Communication
	OR
	Elective approved by course coordinator. (program to be agreed with Course Coordinator to suit existing qualifications)

* Please Note:	
	This course structure is under review and subject to University approval.

Part-Time Course Structure

Year 1 - Semester 1	
DLB310	People and Place
DLB330	People and Environment

Year 1 - Semester 2	
DLB230	Environmental Design 2
PSP268	Site Planning

Potential Careers:

Landscape Architect.

Graduate Certificate in Advanced Landscape Techniques (PS77)

Year offered: 2007
Admissions: No
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
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
Total credit points: 48
Course coordinator: Dr Jeannie Sim
Campus: Gardens Point

Entry Requirements

Applicant must have completed PS75 Graduate Certificate in Landscape Techniques and PS76 Graduate Certificate in Landscape Design or approved equivalent.

Please note

The School reserves the right to offer this course according to enrolment quotas and staff availability.

Overview

This graduate certificate covers landscape theory and design, professional values, environment theory, graphic and other communication, and landscape construction supported by project and field work.

Further Information

Phone +61 7 3864 4074, Fax +61 7 3864 5280, email: bee.enquiries@qut.com

Course structure

Part-time Course Structure Semester 1	
PSP269	Advanced Construction and Practice 1
PSP270	Elective

Semester 2	
PSP272	Advanced Construction and Practice 2
PSP273	Landscape Planning

Potential Careers:

Landscape Architect.

Graduate Diploma in Geographic Information Systems (PS78)

Year offered: 2007
Admissions: Yes
CRICOS code: 040337K
Course duration (full-time): 1 year
Course duration (part-time): 2 years
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Course coordinator: Dr John Hayes
Campus: Gardens Point

Overview

The course is designed to meet the geographic information systems (GIS) specific, academic and practical skill needs of the range of professionals now operating within the spatial information industry. The content includes units in GIS, Geomatics and Spatial Sciences at the postgraduate level and the latter year undergraduate level, units that are project based, and a range of postgraduate, discipline specific units. An individual program can therefore be advised to suit the needs of a student. The course is being evaluated by industry organisations for professional recognition.

Please note:

The School reserves the right to offer this course according to enrolment quotas and staff availability.

Entry Requirements

Applicants must hold a relevant bachelor degree or diploma from an approved tertiary institution; or have qualifications deemed equivalent to the above by the Head of School of Design and Built Environment; or other academic qualifications supported by a minimum of two years work experience of relevant depth and breadth on application to the Head of School, Design and Built Environment.

International Student Entry

QUT advises that International Students are not permitted to enrol part-time.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Full Time Course structure

Year 1 - Semester 1	
PSB655	Remote Sensing
UDB281	Geographic Information Systems
	Two Electives*

Year 1 - Semester 2	
PSB654	Topics in Spatial Information Science
PSN213	Specialisation
	Two Electives*

Notes:

* Electives are subject to availability and confirmation by consultation with Course Coordinator.

Please consult with the Course Coordinator before finalising your enrolment.

Full-time students enrol in 48 credit point each semester: 2 core units and 2 elective units.

Potential Careers:

Geologist, Mapping Scientist/Photogrammetrist, Surveyor.

Graduate Certificate in Geographic Information Systems (PS79)

Year offered: 2007
Admissions: No
CRICOS code: 040339G
Course duration (full-time): 1 semester
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE IN 2007.
Total credit points: 48
Course coordinator: Dr John Hayes
Campus: Gardens Point

Overview

The course is designed to meet the geographic information systems (GIS) specific, academic and practical skill needs of the range of professionals now operating within the spatial information industry. The content includes units in GIS, Geomatics and Spatial Sciences at the postgraduate level and the latter year undergraduate level, units that are project based, and a range of postgraduate, discipline specific units. An individual program can therefore be advised to suit the needs of a student. The course is being evaluated by industry organisations for professional recognition.

Please note:

The School reserves the right to offer this course according to enrolment quotas and staff availability.

Entry Requirements

Applicants must hold a relevant bachelor degree or diploma from an approved tertiary institution; or have qualifications deemed equivalent to the above by the Head of School of Design and Built Environment; or other academic qualifications supported by a minimum of two years work experience of relevant depth and breadth on application to the Head of School, Design and Built Environment.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Full-time course structure

Semester 1	
PSB654	Topics in Spatial Information Science
UDB281	Geographic Information Systems
	Choose 2 Electives*

Notes:

* Electives are subject to availability and confirmation by consultation with Course Coordinator.

Please consult with the course coordinator before finalising your enrolment.

Full-time students enrol in 48 credit point each semester: 2 core units and 2 elective units.

Potential Careers:

Geologist, Landscape Architect, Mapping Scientist/Photogrammetrist, Surveyor.

Graduate Certificate in Planning Studies (PS82)

Year offered: 2007
Admissions: Yes
CRICOS code: 040336M
Course duration (full-time): 1 semester
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): 2007:$10,500 per semester *(subject to annual review)*
Domestic Entry: February and July. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: February. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 48
Course coordinator: Assoc Prof Phil Heywood
Campus: Gardens Point

Entry Requirements

To be eligible for admission, an applicant must have:
- a recognised tertiary degree in any discipline requiring at least three years' full time study or its equivalent, or
- other documented qualifications and experience considered to be equivalent by the Head of School of Urban Development. Applicants may be required to attend an interview, or sit an examination, as part of the selection process.

Overview

The Planning Certificate is intended to provide an introduction to planning method and practice for people engaged in planning activities in government and the community, as well as being a convenient refresher course for professional planners in the latest developments in community planning theory and practice.

Students wishing to use the Graduate Certificate as a refresher or introductory course, may select any four units offered in the Graduate Diploma in Urban and Regional Planning. Full-time is one semester (48cp); part-time is 2 semesters (48cp). Please see course structure for a recommended program.

Course Structure

An overview of current planning methods is presented in Planning Processes and applied in Urban Analysis and Design and Planning Implementation. These method and practice units are accompanied by opportunity for focused study within the Elective unit, chosen in discussion with the course coordinator.

Professional Recognition

This course is registered with the Planning Institute of Australia (formerly RAPI) as a recognised Continuing Professional Development Course rated at ten credit points.

International Student Entry

QUT advises that International Students may only enrol in full-time studies.

Further Information

Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Full Time Course structure

Note:	
	Students may choose the Community Planning focus (units listed below) or any four units from the Graduate Diploma in Urban and Regional Planning

Semester 1	
DBP401	Urban Design and Site Analysis
DBP402	Planning Processes
DBP410	Research Methods in Planning
DBP411	Community Planning

Part Time Course structure

Note:	
	Students may choose the Community Planning focus (units listed below) or any four units from the Graduate Diploma in Urban and Regional Planning

Semester 1	
DBP402	Planning Processes
DBP411	Community Planning

Semester 2	
DBP404	Economic and Social Foundations of Planning
DBP414	Regional and Metropolitan Policy

Mid-Year Entry Course structure (Full Time)

Note:	
	Students may choose the Community Planning focus (units listed below) or any four units from the Graduate Diploma in Urban and Regional Planning.

Semester 2	
DBP404	Economic and Social Foundations of Planning
DBP408	Planning Implementation and Law
DBP414	Regional and Metropolitan Policy
DBP503	Masters Seminar
	OR
DBP501	Specialisation

Mid-Year Entry Course structure (Part Time)

Note:	
	Students may choose the Community Planning focus (units listed below) or any four units from the Graduate Diploma in Urban and Regional Planning.

Semester 2	
DBP404	Economic and Social Foundations of Planning
DBP414	Regional and Metropolitan Policy

Semester 1	
DBP402	Planning Processes
DBP411	Community Planning

Potential Careers:

Urban and Regional Planner, Urban Designer.

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) fulfil 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)

Semester One	
QCF212	Communication 2
QCF211	Tertiary Preparation Studies 2
QCF256	Mathematics A2
	OR
QCF257	Mathematics B2
	OR
QCF260	Professional Studies
	+ TWO ELECTIVES from the following list
QCF122	Organisations And Management
QCF160	Introduction to Creativity
QCF220	Accounting 2
QCF221	Economics 2
QCF254	Physics
QCF255	Chemistry
QCF210	Applied Psychology
QCF230	Information Processing
QCF252	Life Science
QCF240	Legal Studies
	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

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

Semester One	
QCF112	Communication 1
QCF111	Tertiary Preparation Studies 1
QCF156	Mathematics A1
	OR
QCF157	Mathematics B1
	+ TWO ELECTIVES from the following list
QCF115	Foundation English
QCF120	Accounting 1
QCF121	Economics 1
QCF122	Organisations And Management
QCF153	Physical Sciences 1
QCF160	Introduction to Creativity
QCF240	Legal Studies
QCF252	Life Science
	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

QCF212	Communication 2
QCF211	Tertiary Preparation Studies 2
QCF256	Mathematics A2
	OR
QCF257	Mathematics B2
	OR
QCF260	Professional Studies
	+TWO ELECTIVES from the following list
QCF122	Organisations And Management
QCF160	Introduction to Creativity
QCF220	Accounting 2
QCF221	Economics 2
QCF254	Physics
QCF255	Chemistry
QCF210	Applied Psychology
QCF230	Information Processing
QCF240	Legal Studies
QCF252	Life Science

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, Banker, 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, Luminaire Designer, 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, 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, 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

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 Lighting, Theatre Professionals, Trainer, Translator, Urban and Regional Planner, Urban Designer, Virologist, Visual Artist, Visual Arts Teacher, Web Designer, Youth Worker.

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) fulfil 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)

Stream A # (for those with IELTS 6.0)	
QCD111	Communication 1
QCD211	Communication 2
QCS230	Computing
	DEGREE UNIT
	Undergraduate students will need to enrol in the units QCD110 and QCD210

Stream B (for those with IELTS 6.5)	
QCD111	Communication 1
QCD211	Communication 2
	DEGREE UNIT One
	DEGREE UNIT Two
	Undergraduate students will need to enrol in the units QCD110 and QCD210

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, 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 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.

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) fulfil 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

Semester One	
QCF115	Foundation English
QCF156	Mathematics A1
	OR
QCF157	Mathematics B1
	+ TWO ELECTIVES from the following list
QCF120	Accounting 1
QCF121	Economics 1
QCF153	Physical Sciences 1
QCF122	Organisations And Management
QCF252	Life Science
QCF240	Legal Studies
	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.

Semester Two

QCF111	Tertiary Preparation Studies 1
QCF112	Communication 1
QCF256	Mathematics A2
	OR
QCF257	Mathematics B2
	OR
QCF260	Professional Studies
	+ TWO ELECTIVES from the following list
QCF122	Organisations And Management
QCF160	Introduction to Creativity
QCF220	Accounting 2
QCF221	Economics 2
QCF254	Physics
QCF255	Chemistry
QCF210	Applied Psychology
QCF230	Information Processing
QCF240	Legal Studies
QCF252	Life Science

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. 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.

Semester Three (8 Week Teaching Period)

QCF211	Tertiary Preparation Studies 2
QCF212	Communication 2

Note: In this semester students focus on the higher level tertiary preparation and communication skills and attend 18 hours of study per week in their classes over a 8 week teaching period.

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, 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, 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

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 Lighting, Theatre Professionals, Trainer, Translator, Urban and Regional Planner, Urban Designer, Virologist, Visual Artist, Visual Arts Teacher, Web Designer, Youth Worker.

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.

Progresssion

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

Modules	
QCE003	English for Academic Purposes for Direct Entry to QUT
	The EAP course consists of the following integrated modules:
	Seminars and Presentations
	Academic Reading and Note-taking
	Academic Writing
	Listening and Note-taking from Lectures
	Speaking in Academic Settings
	Academic Study Skills
	Computer Word-processing and Internet research skills
	Library research skills

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

General English	
QCE001	General English (Full-time)
	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

General English Extension	
QCE001	General English (Full-time)
	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

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

English for Tertiary Preparation	
QCE005	English for Tertiary Preparation Studies

Bachelor of Urban Development (Construction Management) (UD40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056387B
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 $6,901
International Fees (per semester): 2007:$10000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412312; Dfee: 412316
Past rank cut-off: 75; Dfee: 70.
Past OP cut-off: 12; Dfee: 14.
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: 384
Standard credit points per full-time semester: 48
Course coordinator: Dr John Hayes
Discipline coordinator: Mr Paul Den Ronden
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Additional Admission Information

Applicants who are offered a place and eligible to receive 264 credit points (or more) of advanced standing will be admitted to CN51 Bachelor of Applied Science (Construction Management).

Career Outcomes

Graduates employed in the construction process are involved in the coordinating of the construction and maintenance of large building projects, the development of government and corporate policies, the administration of regulations, and the development and research of building systems and products. They may be employed in private organisations such as large construction and development companies or consultancies, while some are employed by government departments.

Overview

The course is concerned with the management of the overall process of construction projects and provides detailed understanding of project development from conception, through planning and construction to commissioning and maintenance. It develops skills in how to manage people, materials, equipment and plant while focusing on issues such as cost, time, quality, safety and environment. It educates students to become effective construction managers with comprehensive technological knowledge, management principles and communication skills.

Special Course Requirements

All students are required to obtain a minimum of 100 days of approved industrial experience.

Professional Recognition

Recognition is being sought from the Australian Institute of Building and the Australian Institute of Building Surveyors.

Minors

For accreditation purposes you are required to undertake specified minors which will include employment practice.

Further Information

School of Urban Development - Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

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 available in this course.

Find out more on Dfee.

Course structure

Year 1 - Semester 1	
BEB100	Introducing Professional Learning
UDB101	Stewardship of Land
UDB110	Residential Construction and Engineering
UDB111	Engineering Construction Materials

Year 1- Semester 2	
BEB200	Introducing Sustainability
UDB104	Urban Development Economics
UDB112	Professional Studies 1
UDB113	Measurement 1

Year 2 - Semester 1

UDB210 Commercial Construction and Engineering
UDB211 Introductory Structural Engineering
UDB212 Measurement 2
UDB213 Construction Estimating

Year 2 - Semester 2

UDB102 Applied Law
UDB202 Business Skills
UDB215 Building Services Engineering
Minor or Major Unit

Year 3 - Semester 1

UDB310 Highrise Construction and Engineering
UDB311 Structural Engineering Design
UDB312 Contract Administration
Minor or Major Unit

Year 3 - Semester 2

UDB214 Professional Studies 2
UDB314 Statutory Construction Law
Minor or Major Unit
Minor or Major Unit

Year 4 - Semester 1

UDB301 Research Methods
UDB313 Programming and Scheduling
Minor or Major Unit
Minor or Major Unit

Year 4 - Semester 2

UDB302 Development Process
UDB410 Construction Management
Minor or Major Unit
Minor or Major Unit

Course structure - mid year entry

Year 1 - Semester 2

BEB200 Introducing Sustainability
UDB102 Applied Law
UDB104 Urban Development Economics
UDB202 Business Skills

Year 2 - Semester 1

BEB100 Introducing Professional Learning
UDB110 Residential Construction and Engineering
UDB111 Engineering Construction Materials
UDB211 Introductory Structural Engineering

Year 2- Semester 2

UDB112 Professional Studies 1
UDB113 Measurement 1
UDB215 Building Services Engineering
Minor or Major Unit

Year 3 - Semester 1

UDB210 Commercial Construction and Engineering
UDB212 Measurement 2
UDB213 Construction Estimating
UDB310 Highrise Construction and Engineering

Year 3 - Semester 2

UDB214 Professional Studies 2
UDB314 Statutory Construction Law
Minor or Major Unit
Minor or Major Unit

Year 4 - Semester 1

UDB101 Stewardship of Land
UDB301 Research Methods
UDB311 Structural Engineering Design
Minor or Major Unit

Year 4 - Semester 2

UDB302 Development Process
UDB410 Construction Management
Minor or Major Unit
Minor or Major Unit

Year 5 - Semester 1

UDB312 Contract Administration
UDB313 Programming and Scheduling
Minor or Major Unit
Minor or Major Unit

Potential Careers:

Construction Manager, Contract Administrator, Estimator, Project Manager, Urban and Regional Planner, Urban Designer.

Bachelor of Urban Development (Property Economics) (UD40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056387B
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 $6,901
International Fees (per semester): 2007:$10000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412322; Dfee: 412326
Past rank cut-off: 75; Dfee: 70
Past OP cut-off: 12; Dfee: 14
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: 384
Standard credit points per full-time semester: 48
Course coordinator: Dr John Hayes
Discipline coordinator: Mr Gary Garner
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Additional Admissions Information

Applicants who are offered a place and eligible to receive 168 credit points (or more) of advanced standing will be admitted to CN54 Bachelor of Property Economics.

Career Outcomes

Property Economics is the profession associated with the management, administration and use of land and property such as office buildings, shopping centres, factories, hotels etc. Graduates work in private practice or as employees of property development, valuation, property management, investment or property finance companies. They may also work in government departments and local authorities concerned with rating, compulsory acquisitions or property development.

Overview

This course is concerned with all aspects of property - investment, asset management, development, valuation and research - with a focus on finance and on the commercial property market sector.

Special Course Requirements

You are required to obtain a minimum of 30 days approved professional work experience as part of the unit UDB343 Professional Project.

Professional Recognition

Both the 3 and 4 year degrees have professional recognition from the Australian Property Institute and the Valuers' Registration Board of Queensland. Professional accreditation for the 4 year degree is currently being sought from the Royal Institution of Chartered Surveyors and the Singapore Institute of Surveyors and Valuers.

Majors/Minors

In your final two years you will have the opportunity to undertake a major (8 units) or 2 minors (4 units) from other areas of interest.

Further Information

School of Urban Development - Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

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

Year 1 - Semester 1	
BEB100	Introducing Professional Learning
UDB101	Stewardship of Land
UDB110	Residential Construction and Engineering
UDB140	Property Valuation 1

Year 1- Semester 2	
BEB200	Introducing Sustainability
UDB102	Applied Law
UDB104	Urban Development Economics
UDB141	Building Studies

Year 2 - Semester 1	
UDB240	Planning Theory and Processes
UDB241	Property Law 1
UDB242	Property Valuation 2
UDB243	Property Economics

Year 2 - Semester 2

UDB244	Property Law 2
UDB245	Urban Land Studies
UDB246	Property Feasibility Studies
UDB247	Property Valuation 3

Year 3 - Semester 1

UDB301	Research Methods
UDB341	Property Finance
	Minor or Major Unit
	Minor or Major Unit

Year 3 - Semester 2

UDB302	Development Process
UDB344	Property and Asset Management
	Minor or Major Unit
	Minor or Major Unit

Year 4 - Semester 1

UDB340	Agency Practice and Marketing
UDB342	Real Estate Accounting and Taxation
	Minor or Major Unit
	Minor or Major Unit

Year 4 - Semester 2

BEB701	Work Integrated Learning 1
UDB202	Business Skills
	Minor or Major Unit
	Minor or Major Unit

Potential Careers:

Project Developer, Project Manager, Property Development, Property Economist, Property Management, Real Estate.

Bachelor of Urban Development (Quantity Surveying) (UD40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056387B
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 $6,901
International Fees (per semester): 2007:$10000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February and July
QTAC code: 412342; Dfee: 412346
Past rank cut-off: 75; Dfee: 70.
Past OP cut-off: 12; Dfee: 14
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: 384
Standard credit points per full-time semester: 48
Course coordinator: Dr John Hayes
Discipline coordinator: Mr Jason Gray
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Additional Admission Information

Applicants who are offered a place and eligible to receive 264 credit points (or more) of advanced standing will be admitted to CN53 Bachelor of Applied Science (Quantity Surveying).

Career Outcomes

Quantity Surveyors prepare cost estimates and check actual expenditure for large construction projects. They usually work in offices but can also visit building sites, clients and members of teams. Graduates are employed by private quantity surveying firms, government departments and building companies.

Overview

The course prepares students to work as quantity surveyors or building economists. The course covers building management, cost planing and control, building development techniques, building research, computer software application, measurement of construction, and legal issues.

Special Course Requirements

You are required to gain a minimum of 100 days of approved employment in the final year of the course as part of the unit UDB411 Professional Practice.

Professional Recognition

Accreditation with Australian Institute of Quantity Surveyors and the Royal Institution of Chartered Surveyors (honours version only)is currently being sought.

Minors

You will have the opportunity to undertake a minor (4 Units from one discipline area) which can be used to extend your construction knowledge into more advanced and specialised construction issues. Alternately, the minor can be used to broaden students' education by undertaking units from other faculties within the university subject to accreditation requirements.

Further Information

School of Urban Development - Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

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 available in this course.

Find out more on Dfee.

Course structure

Year 1 - Semester 1	
BEB100	Introducing Professional Learning
UDB101	Stewardship of Land
UDB110	Residential Construction and Engineering
UDB111	Engineering Construction Materials

Year 1- Semester 2	
BEB200	Introducing Sustainability
UDB104	Urban Development Economics
UDB112	Professional Studies 1
UDB113	Measurement 1

Year 2 - Semester 1

UDB210 Commercial Construction and Engineering
UDB212 Measurement 2
UDB213 Construction Estimating
UDB216 The Environment and the Quantity Surveyor

Year 2 - Semester 2

UDB102 Applied Law
UDB202 Business Skills
UDB215 Building Services Engineering
Minor or Major Unit

Year 3 - Semester 1

UDB310 Highrise Construction and Engineering
UDB312 Contract Administration
UDB315 Measurement 3
Minor or Major Unit

Year 3 - Semester 2

UDB314 Statutory Construction Law
UDB316 Cost Planning and Control
Minor or Major Unit
Minor or Major Unit

Year 4 - Semester 1

BEB701 Work Integrated Learning 1
UDB301 Research Methods
Minor or Major Unit
Minor or Major Unit

Year 4 - Semester 2

BEB801 Project 1
UDB302 Development Process
Minor or Major Unit
Minor or Major Unit

Course structure - mid year entry

Year 1 - Semester 2

BEB200 Introducing Sustainability
UDB102 Applied Law
UDB104 Urban Development Economics
UDB202 Business Skills

Year 2 - Semester 1

BEB100 Introducing Professional Learning
UDB101 Stewardship of Land
UDB110 Residential Construction and Engineering
UDB111 Engineering Construction Materials

Year 2 - Semester 2

UDB112 Professional Studies 1
UDB113 Measurement 1
UDB215 Building Services Engineering
Minor or Major Unit

Year 3 - Semester 1

UDB210 Commercial Construction and Engineering
UDB212 Measurement 2
UDB216 The Environment and the Quantity Surveyor
UDB310 Highrise Construction and Engineering

Year 3 - Semester 2

UDB314 Statutory Construction Law
UDB316 Cost Planning and Control
Minor or Major Unit
Minor or Major Unit

Year 4 - Semester 1

BEB701 Work Integrated Learning 1
UDB213 Construction Estimating
UDB301 Research Methods
UDB315 Measurement 3

Year 4 - Semester 2

UDB302 Development Process
BEB801 Project 1
Minor or Major Unit
Minor or Major Unit

Year 5 - Semester 1

UDB312 Contract Administration
Minor or Major Unit
Minor or Major Unit
Minor or Major Unit

Potential Careers:

Estimator, Manager, Quantity Surveyor.

Bachelor of Urban Development (Spatial Science) (UD40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056387B
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 $6,901
International Fees (per semester): 2007:$10000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412532; Dfee: 412536
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
Total credit points: 384
Standard credit points per full-time semester: 48
Course coordinator: Dr John Hayes
Discipline coordinator: Mr Robert Webb
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Additional Admissions Information

Applicants who are offered a place and eligible to receive 264 credit points (or more) of advanced standing will be admitted to PS47 Bachelor of Surveying.

Career Outcomes

Surveyors assess geographic and land information for implementing appropriate administration for the land, sea and related structures. Spatial information refers to information about the geographical relationship between places, people and other items within a particular area. There are employment opportunities in all levels of government, private practice and multi-national companies, statutory authorities or semi-government agencies employ them. You will have the opportunity to travel as the degree is readily accepted overseas. After some years of experience you may become a manager or specialise as one of the following: Cadastral/Land Surveyor; Engineering Surveyor; Geodetic Surveyor; Mine Surveyor; Remote Sensing Surveyor; Topographic Surveyor; Cartographer (mapping).

Overview

This degree is a broad-based course. The first year is a foundation year designed to prepare students to deliver practical solutions to problems involving spatial information and decision-making. Students study foundation units such as mathematics, professional studies, sustainablity as well as surveying in their first year In the following years the areas covered are geodetic and control surveying, topographic mapping, photogrammetry, mine surveying, hydrographic surveying, land development design and geographic information systems.

Professional Recognition

The course is recognised by the Spatial Science Institute and has preliminary recognition from the Queensland Surveyors Board; full accreditation is currently being sought.

Special Course Requirements

You will be required to attend compulsory field practicals off-campus in the Moreton Region and have access to an advanced scientific calculator for use during the course. To graduate you are required to have at least 90 days of approved industrial experience/practice in a surveying/mapping environment.

Minors

For professional recognition you will undertake two minors (a minor is four units or 48 credit points in the same discipline) the first is a Science minor which includes Maths and the second an Applications minor which consists of a Work Place Integrated Learning unit, a project unit and two specialised spatial science units.

Further Information

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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 available in this course.

Find out more on Dfee.

Course structure

Year 1 - Semester 1	
BEB100	Introducing Professional Learning

MAB100	Mathematical Sciences 1A
UDB101	Stewardship of Land
UDB181	Geospatial Positioning and GPS

Year 1- Semester 2

BEB200	Introducing Sustainability
MAB101	Statistical Data Analysis 1
UDB104	Urban Development Economics
UDB182	Surveying

Year 2 - Semester 1

PCB172	Physics for Surveyors
UDB281	Geographic Information Systems
UDB283	Surveying Computations
UDB285	Cadastral Surveying

Year 2 - Semester 2

MAB730	Surveying Mathematics 2
UDB102	Applied Law
UDB282	Remote Sensing
UDB284	Engineering Surveying

Year 3 - Semester 1

UDB381	Geospatial Mapping
UDB383	Control Surveying and Analysis
UDB385	Cadastral and Land Management
UDB387	Spatial and Land Information Management

Year 3 - Semester 2

UDB302	Development Process
UDB382	Photogrammetric Mapping
UDB384	Geodesy
UDB388	Spatial Analysis Practice

Year 4 - Semester 1

BEB701	Work Integrated Learning 1
UDB301	Research Methods
UDB483	Global Positioning Principles and Practice
UDB485	Property Development Practice

Year 4 - Semester 2

BEB801	Project 1
UDB202	Business Skills
UDB484	Topographic, Hydrographic and Mining Surveying
UDB486	Cadastral Practice

Potential Careers:

Geoscientist, Mapping Scientist/Photogrammetrist, Surveyor.

Bachelor of Urban Development (Urban and Regional Planning) (UD40)

Year offered: 2007
Admissions: Yes
CRICOS code: 056387B
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 $6,901
International Fees (per semester): 2007:$10000 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412352. Dfee: 412356
Past rank cut-off: 75; Dfee: 70
Past OP cut-off: 12; Dfee: 14
OP Guarantee: Yes
Assumed knowledge: English (4, SA)
Preparatory studies: 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 John Hayes
Discipline coordinator: Mr Paul Donehue
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2007, first and second years will only be available. Subsequent years will be progressively introduced in 2008 and 2009. Students should note that years 2-4 are subject to approval. The course units may change.

Career Outcomes

Urban and Regional Planners develop plans and policies for the use of land and resources. They aim to fulfil the social, cultural economic and environmental needs of the community. There are numerous employment opportunities can found in state and local government departments, with private sector planning consultants and land development enterprises. Graduates can build careers in urban design, community health and welfare, housing, transport, and strategic land-use planning, and land and resource development.

Overview

This course aims to educate students to become innovative leaders in professional planning, with the capacity and will to create a better world. Graduates will apply perceptive sensibilities and skills to create sustainable natural and human environments. The QUT course emphasises creative design and inclusive community planning. You will have the opportunity to work on live projects with local councils and community groups.

Professional Recognition

Accreditation from the Planning Institute of Australia is being sought.

Minors/Majors

You will be able to select two four unit minors or one eight-unit major to enhance your broader appreciation of fields related to urban and regional planning for example: landscape architecture, urban design, surveying, property economics, law and business management.

Further Information

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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 available in this course.

Find out more on Dfee.

Course structure

Year 1 - Semester 1	
BEB100	Introducing Professional Learning
UDB101	Stewardship of Land
UDB161	Introduction to Planning and Design
UDB162	History of Built Environment

Year 1- Semester 2	
BEB200	Introducing Sustainability
UDB104	Urban Development Economics
UDB163	Land Use Planning
UDB164	Population and Urban Studies

Year 2 - Semester 1	
UDB265	Site Planning
UDB266	Planning Processes and Consultations
	Minor or Major Unit
	Minor or Major Unit

Year 2 - Semester 2	
UDB102	Applied Law
UDB267	Development Assessment and Infrastructure
	Minor or Major Unit
	Minor or Major Unit

Year 3 - Semester 1	
UDB368	Urban Design
UDB369	Negotiation and Conflict Resolution
	Minor or Major Unit
	Minor or Major Unit

Year 3 - Semester 2	
UDB302	Development Process
UDB370	Environmental Planning and Management
	Minor or Major Unit
	Minor or Major Unit

Year 4 - Semester 1	
UDB301	Research Methods
UDB471	Urban Planning Practice
UDB472	Community Planning
UDB473	Planning Theory and Ethics

Year 4 - Semester 2	
BEB801	Project 1
UDB202	Business Skills
UDB474	Regional Planning Practice
UDB475	Regional and Metropolitan Policy

Potential Careers:

Urban and Regional Planner, Urban Designer.

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