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

CE35 Associate Degree in Civil Engineering/Bachelor of Technology (Civil)
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)
CE33 Bachelor of Technology (Civil)
CE35 Associate Degree in Civil Engineering/Bachelor of Technology (Civil)
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)
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)
ME36 Bachelor of Technology (Mechanical) Conversion Program
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

BN85 Graduate Certificate In Built Environment and Engineering
CN81 Graduate Certificate in Project Management
CN90 Graduate Certificate in Property Economics
IX97 Graduate Certificate In Research Commercialisation
ME75 Graduate Certificate in Engineering Management
PS75 Graduate Certificate in Landscape Techniques
PS82 Graduate Certificate in Planning Studies

Graduate Diploma

AR61 Graduate Diploma in Industrial Design
AR62 Graduate Diploma in Interior Design
CN64 Graduate Diploma in Project Management
CN91 Graduate Diploma in Property Economics
DB69 Graduate Diploma in Urban Design
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)

BN87 Master of Engineering Management
BN88 Master of Infrastructure Management
BN89 Master of Project Management

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)
DE50 Master of Design (Urban Design)
EE74 Master of Engineering Science (Computer and Communications Engineering)
EE77 Master of Engineering Science (Electrical Engineering Studies)
EN40 Bachelor of Engineering - Dean's Scholars Program
EN50 Master of Engineering (Systems)
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
UD50 Master of Urban Development (Urban and Regional Planning)

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

University wide unit sets

Unit sets: Accounting and Economics
Unit sets: Advertising, Marketing and Public Relations
Unit sets: Communication
Unit sets: Corporate Systems
Unit sets: Creative Industries
Unit sets: Environmental Studies
Unit sets: Health and Psychology
Unit sets: Information Technology
Unit sets: International Exchange
Unit sets: International Studies
Unit sets: Languages
Unit sets: Management
Unit sets: Mathematics and Statistics
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

These 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.

SENIOR STAFF

Faculty Office

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

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

Assistant Dean, Research: Professor J.M. Bell, BSc(Hons) *Syd.,* PhD *NSW,* FIEAust, MAIP, CPEng

Assistant Dean, External Relations: Professor D. Buisson, BSc MSc(Class 1 Hons) PhD *Auck.,* SM (Management) *Massachusetts*

School of Design

Head: Professor J. Frazer, AA Dipl, MA *Cambridge,* FCSD, FRSA

Professors:
J. Birkeland, BA (Fine arts), MA (Arch), JD (Law), PhD (Sustainability)
R. Drogemuller, BArch BAppSc (Maths & Comp)
G. Lee, DipID *RMIT, MLArch Melb.,* PhD *RMIT*
V. Popovic, GradEngArch *Belgrade,* MFA(IndDes) *Ill.,* PhD *Syd.,* FDIA, MHFS, MAES, MDRS

Associate Professors:
L. Buys, BS *W.Virginia*, GradDip *N.Colorado,* MA *S.Illinois,* PhD *N.Colorado,* Fellow Australian Association of Gerontology
N. Demirbilek, BArch MArch PhD (BldSci) *METU*
J.M. Franz, BAppSc(BltEnv) *QIT*, DipTeach *TAFE,* MEdSt *Qld,* PhD *QUT,* MDIA (Accredited Designer), RegTeach (Qld)

School of Urban Development

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

Professor of Intrastructure Management: A. Kumar, BTech *IIT Delhi,* MSCE *Purdue,* GradDipMgt

Chair in Transport Efficiency: L. Ferreira, BSc *Lond.,* MSc *Westminster,* PhD *Leeds,* FIEAust, FCIT

Professors:
S. Dhanasekar, BE (Civil), MTech (Structures), PhD, MIEAust, CPEng, MIEInd, RPEQ
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
J. Yang, BEng *DUT China,* PhD *QUT*

Associate Professors:
D. Baker, BGeog/EngLit, MResMgt *SFU,* PhD *Waterloo*
A.Goonetilleke, BSc (Eng) *S.Lanka,* MSc *Griff.,* PhD *QUT*, CPEng, FIEAust
P. Heywood, BA(Hons) *Oxf.,* DipTP *Manc.,* MRTPI, FRAPI, LGP(Qld)
B. Trigunarsyah, BScEng *Colorado School of Mines USA,* MScConstructMgt *UOI,* PhD *Melb.*

School of Engineering Systems

Head: Professor D.J. Hargreaves, BE(Mech) *QIT*, MSc PhD *Leeds*, CPEng, RPEQ, FIEAust, EngExec, MIMechE, MSTLE, MASSCT, MAAEE, MAICD, NPER

Professor and Chair in Traumatology: M.A. Schütz, DrMed *RWTH Aachen,* DrMedHabil *HU Berlin*, FRACS, FAOA, MDGC, MDGU

Professor and Chair in Orthopaedic Research: R.W. Crawford, FRACS(Orth), MAOA

Professor in Power Engineering: A. Ghosh, BE(Elec) ME(Elec) *Calcutta*, PhD *Calgary*, FIEEE, FIAE, FIE

Professor and Chair in Regenerative Medicine: D.W. Hutmacher, MBiomedEng, PhD *NUS*, MBA *Henley*, MITES, METES, MISB, MAO

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

Professor in Medical Engineering: V.O.A. Oloyede, BSc(Mech)(Hons) *Lagos*, MSc(Materials) *Cranfield*, PhD *DIC ImpCol*, GradCert(HigherEd) *QUT*, MNSE, MNYAS, MAAAS

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

Professor in Smart Systems: P.K.V.D Yarlagadda, BTech(Mech) *Nagarjuna*, ME(Prod.Eng) *Bharathiar*, PhD *IIT,* FIEAust, FIE, SMSME, MASME, MIMechE, MSPE

Professors:
M.F. Brereton, BSc(Mech)(Hons) *Brist.*, MSc(Tech&Policy), MSc(Eng) *MIT*, PhD *Stanford*
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W. Boles, BSc(Elec) *Assiut*, MSc(Elec) PhD *Pitt.*, GradCert(HigherEd) *QUT*, MAAEE, APRS, MIEAust, MIEEE
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V. Chandran, BTech(Elec) *IIT Madras*, MS(Elec) *TexasTech*, MS(CompSci) PhD *Wash.State*, GradCert(HigherEd) *QUT*, SMIEEE, MAPRS
V. Kosse, BE(Mech) PhD *ASTU Ukraine*, MASME, CMIEAust, MIIAV, CMITC, RPEQ
L. Ma, BEng(Mech and Man) *Beijing*, PhD *Qld*, MESA
X. Miao, BEng(Mat) *NE*, MEng(Mat) GRINM, PhD *Birmingham*, MMRS, MASB
Y. Xiao, BDSc MDSc *Hubei Med*, PhD *Qld*, MTEIS, MASMR, MIADR, MICHTS

RESEARCH THEMES

Design

Design concentrates on investigation of people-systems-environments relationships and provides new knowledge and innovation beneficial to their users. Research in design fields improves the quality of work and life and brings social and economic advantages to the industry and community. Design incorporates research in:

- Architecture
- Industrial Design
- Interior Design
- Landscape Architecture
- Urban Design
- Centre for Subtropical Design.

The theme is cross/inter – disciplinary related with relevant DESIGN fields and the other three Faculty Research Themes: Infrastructure, Smart Systems and Medical Engineering. It has links across the University community and Institutes – Institute for Health and Biomedical Innovation (IHBI), Institute for Creative Industries Innovation (iCi), Information Security Institute (ISI), Institute for Sustainable Resources and relevant Collaborative Research Centres (CRC) – ACID, Construction and Innovation and AHURI.

Research focus within the theme includes:

- Colour and light
- Cultural landscapes
- Design Education and Design Theory and Methodology
- Design Tools
- Human-Centred Design Research and Usability
- Person-Environment Studies
- Sustainable Systems
- Virtual prototyping.

Medical Engineering

This theme develops and promotes the use of engineering and technology, often in collaboration with surgeons, to provide new techniques, materials, devices, procedures and manufacturing techniques for medical devices. Medical Engineering is based largely on core mechanical and electrical engineering skills applied to problems in medicine. The applied research is built on a strong foundation of knowledge in biomechanics, fluid mechanics and automation and control, but incorporates knowledge in cell biology, human anatomy and physiology. New knowledge is being developed and applied to the full range of orthopaedic diseases and injury (such as knee and hip replacements, factures and spinal deformities), other diseases such as heart failure, and to provide improved quality of life for people with disabilities. The theme includes research in the following areas:

Orthopaedic and Trauma

Orthopaedics and Trauma Queensland incorporates programs of research collaboration with hospital partners. Key research is conducted in bone and cartilage diseases; bone and cartilage substitute systems; bone fracture healing; spinal surgical procedures; and osteoporotic bone and crush fractures.

Artifical Organs

This area of research investigates non-biological replacement organs, for example, artificial heart; congestive heart failure; and impaired function of other organs.

Compression Bandaging
This research project aims to gain a better understanding of the clinical application of pressure bandaging to develop improved bandaging techniques and clinical practice.

Smart Systems

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 (CIEAM).

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. Much of the work in this group will be conducted through the newly formed Australian Research Centre for Aerospace Automation (ARCAA).

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. Researchers in this area are supported by the CRC for Advanced Automative Technology and the Information Security Institute.

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 is conducted in collaboration with energy utilities and the Queensland Sustainable Energy Industry Development Group, and is a key component of the Institute for Sustainable Resources.

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 and industry in South-East Queensland. Research in the Faculty links strongly with research in the Faculties through the i-water initiative of the Institute for Sustainable Resources.

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.

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. Much of the research in this area is supported by the Australian Housing and Urban Research Institute, the CRC for Construction Innovation and the Construction Industry Institute of Australia.

Cooperative Research Centres (CRCs)

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 sen-

sors, 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 collaboration between QUT, the Brisbane City Council and the Office of Urban Management, focussing on sustainable development of the subtropical urban environment. 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 Tropical Crops and Biocommodities
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.

Australian Research Centre for Aerospace Automation (ARCAA)
ARCAA was formed in 2006 as collaboration between CSIRO and QUT to promote the safe and efficient operation of Unmanned Vehicles in controlled airspace. The Centre is constructing a new research facility at Brisbane Airport where major programs on UAV navigation and collision avoidance, risk management and applications of UAV technology in areas as diverse as border security, vegetation management, and disaster recovery will be conducted.

Medical Engineering Research Facility (MERF)
The Medical Engineering Research Facility is a new $10 million facility being constructed at the Prince Charles Hospital to provide state-of-the-art research and education facilities in orthopaedic research.

Australasian CRC for Interaction Design (ACID)
ACID is the leader in research and development in interaction design – using new technologies to work, live, learn and play. It builds on the strengths of more than 20 educational and corporate partners and is active internationally through new industry and university partnerships. ACID's research themes – Virtual Heritage, Smart Living, Digital Media, Multi-User Environments and New Models of Advertising for Interactive Television – build connections between consumers and industry, content and application developers, software system developers and hardware manufacturers.

Construction Industry Institute of Australia (CIIA)
The Construction Industry Institute, Australia (CIIA) gives members the opportunity to access worldwide leading edge research and implement outcomes before others. Its vision is to create national wealth through innovative design, construction, engineering and management of sustainable built assets. The CIIA's mission to undertake applied research, implementation and research training in the engineering, construction and property industries for the purpose of advancing knowledge, creating national wealth and providing a competitive advantage to Australian business in the national and international market place. The CIIA believes that wealth creation and industry improvement can best be achieved by collaboration between all parties involved in the project delivery process. Applied research projects are used as the bridge to bring together the participant, particularly clients and service providers, to generate creative ideas and undertake leading edge research that results in major breakthroughs which add significant value to members and Australian industry. The CIIA is part of an international network of similar institutes based at universities in the United States, Europe and Australia and more recently, in South East Asia. The goal of these Institutes is to undertake research to create value and stimulate industry change, and create a work environment that fosters innovation. They achieve this by bringing together researchers and industry participants in multi-disciplinary task forces focussing on programs of applied research and by providing their members with a forum for local, regional and international debate. The Institutes also collaborate with a wide range of sister research organisations across the world.

☐ 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.

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 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
- At least 50% of time in undertaking design and documentation duties.
- 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) (Students who commenced 2006 and after)

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 (WIL), which will count towards their practical experience.

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

Bachelor of Spatial Science students must obtain at least 90 days of industrial experience (WIL) 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 (WIL) requirement.

☐ 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.

Supplementary assessment

Students may be granted 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.

Bachelor of Architecture (AR48)

Year offered: 2008
Admissions: No
CRICOS code: 052308E
Course duration (full-time): 5 years full-time
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,492
International Fees (per semester): 2008: $10,608 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
Discipline coordinator: Mr Paul Sanders
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

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 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
	Elective

Year 6 - Semester 1

ADB052	Architectural Research 2
ADB067	Elective Architectural Applications
	Elective

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: 2008
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): 2008: CSP $7,252
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing BN31 Graduates only. NO NEW OFFERS WILL BE MADE AFTER FEBRUARY 2008.
International Entry: This course is open to continuing BN31 Graduates only. NO NEW OFFERS WILL BE MADE AFTER FEBRUARY 2008.
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Dr Kathi Holt-Damant (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

SPECIAL NOTE

Any BN31 (IndDes) graduate (from 1997-2007) can apply for the final offering (Sem 1 2008) of the Graduate Diploma in Industrial Design.

Full-time Course Structure

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

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 Interior Design (AR62)

Year offered: 2008
Admissions: Yes
CRICOS code: 006361D
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): 2008: CSP $7,252
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing BN31 Graduates only. NO NEW OFFERS WILL BE MADE AFTER FEBRUARY 2008.
International Entry: This course is open to continuing BN31 Graduates only. NO NEW OFFERS WILL BE MADE AFTER FEBRUARY 2008.
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Dr Kathi Holt-Damant (Course Leader)
Campus: Gardens Point

Entry Requirements

A degree or diploma in interior design or in a relevant discipline from a recognised tertiary institution; or professional recognition through an equivalent course of study or examination.

Overview

This Graduate Diploma consolidates your research skills and encourages you to rigorously explore and identify issues relating to the function and quality of the interior environment. You develop specialist skills and apply them to produce interiors that are sensitive to the various demands of the client, the user and society as a whole.

Professional Recognition

The Graduate Diploma in Interior Design is recognised by the Design Institute of Australia (DIA).

International Student Entry

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

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

SPECIAL NOTE

Any BN31 (IntDes) graduate (from 1997-2007) can apply for the final offering (Sem 1 2008) of the Graduate Diploma in Interior Design.

Course Structure

Full-time Course Structure

Semester 1

ADP107	Interior Design 7
ADP114	Professional Studies 1
ADP155	Interior as a Construct 1
ADP161	Interior Research 1

Semester 2

ADP108	Interior Design 8
ADP156	Interior as a Construct 2
ADP162	Interior Research 2
ADP932	Professional Studies 2

Part-time Course Structure

Year 1 - Semester 1

ADP114	Professional Studies 1
ADP155	Interior as a Construct 1

Year 1 - Semester 2

ADP932	Professional Studies 2
ADP156	Interior as a Construct 2

Year 2 - Semester 1

ADP107	Interior Design 7
ADP161	Interior Research 1

Year 2 - Semester 2

ADP108	Interior Design 8
ADP162	Interior Research 2

Bachelor of Built Environment (Architectural Studies) (BN31)

Year offered: 2008
Admissions: No
CRICOS code: 003507D
Course duration (full-time): 3 years
Domestic fees (per credit point): Commonwealth Supported Place; Full Fee Tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full Tuition Fee $15,936 CSP $6,638
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
Discipline coordinator: Mr Paul Sanders
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: 2008
Admissions: No
CRICOS code: 003507D
Course duration (full-time): 3 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,638
International Fees (per semester): 2008: $10,608 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

Potential Careers:

Industrial Designer.

Bachelor of Built Environment (Interior Design) (BN31)

Year offered: 2008
Admissions: No
CRICOS code: 003507D
Course duration (full-time): 3 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,360; CSP $6,638
International Fees (per semester): 2008: $10,608 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: Ms Petina Rock and Mr Mark Taylor
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

Potential Careers:

Interior Designer.

Bachelor of Built Environment (Landscape Architecture) (BN31)

Year offered: 2008
Admissions: No
CRICOS code: 003507D
Course duration (full-time): 3 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,638
International Fees (per semester): 2008: $10,608 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: Dr Jeannie Sim
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

Potential Careers:

Landscape Architect.

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

Year offered: 2008
Admissions: No
CRICOS code: 003507D
Course duration (full-time): 3 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,638
International Fees (per semester): 2008: $10,608 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: Mr Paul Donehue
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

Potential Careers:

Urban and Regional Planner, Urban Designer.

Master of Applied Science (Research) (BN71)

Year offered: 2008
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: 2008 Full fee tuition $135 per credit point (exceeded max. entitlement) *(subject to annual review)*
Domestic fees (indicative): 2008: $12,960 (exceeded max entitlements)
International Fees (per semester): 2008: $9,984 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: 2008
Admissions: No
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: 2008 Full fee tuition $135 per credit point (exceeded max. entitlement) *(subject to annual review)*
Domestic fees (indicative): 2008: $12,960 (exceeded max. entitlement)
International Fees (per semester): 2008: $9,984 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

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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.

Graduate Certificate In Built Environment and Engineering (BN85)

Year offered: 2008
Admissions: Yes
CRICOS code: 060808G
Course duration (full-time): 1 semester
Course duration (part-time): 2 semesters
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: $12,960
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: February and July
International Entry: February and July
Total credit points: 48
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Jay Yang
Campus: Gardens Point

Overview

This course serves as a preparation and pathway program for students wishing to enter a masters program in the Faculty of Built Environment and Engineering. It is particularly aimed at students with either a three-year undergraduate degree, or a degree in a different area to the masters of their choice.

Entry Requirements

A four-year full-time bachelor degree in a relevant discipline area; or a three-year full-time diploma and three or more years of relevant professional experience in a relevant discipline; and a grade point average of 5.0 or more (on a 7-point scale) in that study, or an equivalent qualification determined by the Faculty. English language requirements for the course are an English Language Proficiency level in accordance with QUT requirements (IELTS score of 6.0 with no sub-band below 6.0) if English is not your first language.

If requested, supply documentation of professional work experience as detailed in Completing the PG Form.

Career Outcomes

The Graduate Certificate in Built Environment and Engineering does not provide any specific career path. It is offered only as an alternative entry pathway to masters courses in the Faculty of Built Environment and Engineering.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Course structure - February Entry and July Entry

Full-time Structure - Year 1, Semester 1

BEE Undergraduate Unit 1

BEE Undergraduate Unit 2

Other Faculty Postgraduate Unit A

Other Faculty Postgraduate Unit B

All units to be approved by Postgraduate Coordinator prior to enrolment.

Part-time Structure

A part-time course structure will require completion of 1 BEE undergraduate level unit and 1 Other Faculty postgraduate level elective unit each semester (50% of standard load as above.)

Postgraduate Level Electives

IFP100	Knowledge Transfer and Research Commercialisation (Core Unit)
ITN228	Enterprise Systems
ITN241	Information Technology Management
KIP401	Foundations of Communication Design
PUN301	Occupational Health and Safety Law and Management
PUP415	Occupational Health
ITN700	Programming Principles
ITN701	Networks and Systems
PUN001	Contemporary Risk Management
PUN500	Safety Management
IBN410	International Logistics Management
IBN408	Global Business Operations
MGN423	Contemporary Strategic Analysis
EFN420	Introduction To Financial Management

Or consult with BN85 Course Leader.

(Other suitable postgraduate units will be continually identified during course development.)

Master of Engineering Management (BN87)

Year offered: 2008
Admissions: Yes
CRICOS code: 006368G
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: $12,960
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: February and July
International Entry: February and July
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Jay Yang (Please refer course specific enquiries to Course Leader.)
Discipline coordinator: Dr Achilles Leontakianakos (Course Leader)
Campus: Gardens Point

Overview

This course offers an engineering management qualification to practising engineers through a formal qualification in management with advanced engineering skills and knowledge. You can choose to specialise in manufacturing or maintenance engineering. Early exit with a Graduate Diploma is available upon completion of four units in the course.

Entry Requirements

A four-year full-time bachelor degree in a relevant engineering discipline area and a grade point average of 5.0 or more (on a 7-point scale) in that study, or an equivalent qualification determined by the Faculty. English language requirements for the course are an English Language Proficiency level in accordance with QUT requirements (IELTS score of 6.0 with no sub-band below 6.0) if English is not your first language. Applicants from a non-relevant background may gain entry through successful completion of BN85, the Graduate Certificate in Built Environment and Engineering.

If requested, supply documentation of professional work experience as detailed in Completing the PG Form.

Career Outcomes

The Master of Engineering Management allows graduates to become specialist engineering managers within their chosen professional field, particularly to become a leader and manager of engineering processes. Graduates can also use the skills and knowledge gained to diversify their capabilities across a broader spectrum of engineering disciplines.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Course structure - February Entry

Full-time Course Structure - Year 1, Semester 1	
BEN610	Project Management Principles
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management
GSN235	Communication, Negotiation and Leadership

Year 1, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
BEN910	Integrated Project
ENN530	Asset and Facility Management
ENN570	Enterprise Resource Planning

Full-time Course Structure - Year 1, Semester 1	
BEN610	Project Management Principles
ENN510	Engineering Knowledge Management

Year 1, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
ENN530	Asset and Facility Management

Year 2, Semester 1	
ENN515	Total Quality Management
GSN235	Communication, Negotiation and Leadership

Year 2, Semester 2	
BEN910	Integrated Project
ENN570	Enterprise Resource Planning

Course structure - Mid Year Entry

Full-time Course Structure - Year 1, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
ENN530	Asset and Facility Management
ENN570	Enterprise Resource Planning
GSN235	Communication, Negotiation and Leadership

Year 2, Semester 1	
BEN610	Project Management Principles
BEN910	Integrated Project
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management

Full-time Course Structure - Year 1, Semester 2	
ENN530	Asset and Facility Management

ENN570	Enterprise Resource Planning

Year 2, Semester 1

BEN610	Project Management Principles
ENN510	Engineering Knowledge Management

Year 2, Semester 2

BEN710	Sustainable Practice in Built Environment and Engineering
GSN235	Communication, Negotiation and Leadership

Year 3, Semester 1

BEN910	Integrated Project
ENN515	Total Quality Management

Master of Infrastructure Management (BN88)

Year offered: 2008
Admissions: Yes
CRICOS code: 060807G
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: $12,960
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: February and July
International Entry: February and July
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Jay Yang (Please refer course specific enquiries to Course Leader.)
Discipline coordinator: Professor Manicka Dhanasekar (Course Leader)
Campus: Gardens Point

Overview

This course addresses the main concepts and methodologies of infrastructure planning and management. It aims to advance and enhance your skills and understanding of the diverse types of infrastructure assets planning and management, including the environmental, social, institutional assessments, and economic and financial aspects of infrastructure management. Early exit with a Graduate Diploma is available upon completion of four units in the course.

Entry Requirements

A four-year full-time bachelor degree in a relevant discipline area; or an equivalent qualification, and a grade point average of 5.0 or more (on a 7-point scale) in that study, or an equivalent qualification determined by the Faculty. English language requirements for the course are an English Language Proficiency level in accordance with QUT requirements (IELTS score of 6.0 with no sub-band below 6.0) if English is not your first language. Applicants from a non-relevant background may gain entry through successful completion of BN85, the Graduate Certificate in Built Environment and Engineering.

If requested, supply documentation of professional work experience as detailed in Completing the PG Form.

Career Outcomes

Graduates may choose to become a project manager, asset manager, planner within an infrastructure organisation, or use the skills and knowledge gained to diversify their capabilities across a broader spectrum of construction disciplines. In particular, this course provides graduates with the skills and knowledge to become leaders and managers of infrastructure planning and management.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Course structure - February Entry

Full-time Course Structure - Year 1, Semester 1	
BEN610	Project Management Principles
GSN235	Communication, Negotiation and Leadership
UDN572	Infrastructure Planning and Management
UDN574	Water Resource and Waste Management

Year 1, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
BEN910	Integrated Project
ENN530	Asset and Facility Management
UDN576	Transportation Infrastructure

Part-time Course Structure - Year 1, Semester 1	
BEN610	Project Management Principles
UDN572	Infrastructure Planning and Management

Year 1, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
ENN530	Asset and Facility Management

Year 2, Semester 1	
GSN235	Communication, Negotiation and Leadership
UDN574	Water Resource and Waste Management

Year 2, Semester 2	
BEN910	Integrated Project
UDN576	Transportation Infrastructure

Course structure - Mid Year Entry

Full-time Course Structure - Year 1, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
ENN530	Asset and Facility Management
GSN235	Communication, Negotiation and Leadership
UDN576	Transportation Infrastructure

Year 1, Semester 1	
BEN610	Project Management Principles
BEN910	Integrated Project
UDN572	Infrastructure Planning and Management
UDN574	Water Resource and Waste Management

Part-time Course Structure - Year 1, Semester 2

ENN530 Asset and Facility Management

UDN576 Transportation Infrastructure

Year 2, Semester 1

BEN610 Project Management Principles

UDN572 Infrastructure Planning and Management

Year 2, Semester 2

BEN710 Sustainable Practice in Built Environment and Engineering

GSN235 Communication, Negotiation and Leadership

Year 3, Semester 1

BEN910 Integrated Project

UDN574 Water Resource and Waste Management

Master of Project Management (BN89)

Year offered: 2008
Admissions: Yes
CRICOS code: 060815G
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: $12,960
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: February and July
International Entry: February and July
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Jay Yang (Please refer course specific enquiries to Course Leader.)
Discipline coordinator: Associate Professor Bambang Trigunarsyah (Course Leader)
Campus: Gardens Point

Overview

This course is designed to provide you with appropriate knowledge and experience in managing projects in professional organisations. It addresses the main concepts and methodologies of project management and provides you with educational opportunities for advanced study following your graduation in a relevant discipline. This course aims to produce project managers capable of ensuring project success through the management of constraints in time, cost and quality, as well as of social, political and environmental challenges. Early exit with a Graduate Diploma is available upon completion of four units in the course.

Entry Requirements

A four-year full-time bachelor degree in a relevant discipline area; and a grade point average of 5.0 or more (on a 7-point scale) in that study, or an equivalent qualification determined by the Faculty. English language requirements for the course are an English Language Proficiency level in accordance with QUT requirements (IELTS score of 6.0 with no sub-band below 6.0) if English is not your first language. Applicants from a non-relevant background may gain entry through successful completion of BN85, the Graduate Certificate in Built Environment and Engineering.

If requested, supply documentation of professional work experience as detailed in Completing the PG Form.

Career Outcomes

Graduates will have the necessary expertise to take on managerial roles in projects of their chosen profession. They will have acquired professional experience which will enable them to manage project goals within constraints, contribute to strategic decision making through understanding a range of specialty areas relevant to project management. They will also make a difference to professional practice by introducing project-based practices and a project management approach.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Course structure - February Entry

Full-time Course Structure - Year 1, Semester 1	
BEN610	Project Management Principles
GSN235	Communication, Negotiation and Leadership
UDN590	Project Scope and Risk Management
UDN592	Resource, Schedule and Performance Management

Year 1, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
BEN910	Integrated Project
UDN594	Procurement and Delivery Strategies
UDN596	Human Resource and Organisational Culture

Part-time Course Structure - Year 1, Semester 1	
BEN610	Project Management Principles
UDN590	Project Scope and Risk Management

Year 1, Semester 2	
UDN594	Procurement and Delivery Strategies
UDN596	Human Resource and Organisational Culture

Year 2, Semester 1	
GSN235	Communication, Negotiation and Leadership
UDN592	Resource, Schedule and Performance Management

Year 2, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
BEN910	Integrated Project

Course structure - Mid Year Entry

Full-time Course Structure - Year 1, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
GSN235	Communication, Negotiation and Leadership
UDN594	Procurement and Delivery Strategies
UDN596	Human Resource and Organisational Culture

Year 1, Semester 1	
BEN610	Project Management Principles
BEN910	Integrated Project

UDN590	Project Scope and Risk Management
UDN592	Resource, Schedule and Performance Management

Part-time Course Structure - Year 1, Semester 2

UDN594	Procurement and Delivery Strategies
UDN596	Human Resource and Organisational Culture

Year 2, Semester 1

BEN610	Project Management Principles
UDN590	Project Scope and Risk Management

Year 2, Semester 2

BEN710	Sustainable Practice in Built Environment and Engineering
GSN235	Communication, Negotiation and Leadership

Year 3, Semester 1

BEN910	Integrated Project
UDN592	Resource, Schedule and Performance Management

Bachelor of Technology (Civil) (CE33)

Year offered: 2008
Admissions: No
Domestic fees (per credit point): Commonwealth Supported Place; Full Fee Tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,990

Associate Degree in Civil Engineering/Bachelor of Technology (Civil) (CE35)

Year offered: 2008
Admissions: No
Course duration (full-time): 3 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,966
Domestic Entry: February
QTAC code: This course is no longer offered
Past rank cut-off: 50
Past OP cut-off: 24
Total credit points: 288
Course coordinator: Dr R.Mahalinga-Iyer
Discipline coordinator: Dr Jon Bunker
Campus: Gardens Point

Entry Requirements

Applicants must apply via QTAC and satisfy the entry requirements for the Associate Degree in Civil Engineering at the Southbank Institute.

Career Outcomes

Civil Engineering Technologists provide complex technical support to assist civil engineers on the design construction and maintenance of projects. The Bachelor of Technology qualification is now required in government organisations such as Main Roads for positions such as chief design draftsman and construction supervisors. Immediate employment would be as design draftsman and on-site supervisor. The civil engineering consulting industry will also have a need for technologists trained in routine design procedures and CAD drafting skills.

Professional Recognition

The course has provisional recognition by Engineers Australia.

Dual TAFE/QUT Awards

This dual award is a cooperative arrangement between Southbank Institute (SBI) and the Faculty of Built Environment and Engineering, Queensland University of Technology. Initial entry is to a specially designed two-year associate degree at SBI, followed by a third year at QUT, to qualify for the Bachelor of Technology degree. In their second year students study units from QUT and SBI which form part of the Advanced Diploma, and in third year students study one module at SBI together with their QUT units to complete their Bachelor of Technology (Civil) degree.

Subject to final approval.

Special Course Requirements

A candidate for the degree of Bachelor of Technology (Civil) must obtain at least 45 days of industrial experience/practice in an engineering 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 2 - Semester 1	
NRB100	Environmental Science
ENB273	Civil Materials

Year 2 - Semester 2	
ENB276	Structural Engineering 1

Year 3 - Semester 1	
ENB271	Design of Structural Timber and Earthworks
ENB272	Geotechnical Engineering 1
CEB328	Investigation Project
	One Elective from list below

Year 3 - Semester 2	
ENB201	Fluid Mechanics
ENB274	Design of Environmentally Sustainable Systems
	One Elective from list below
HECEA205	Municipal Engineering (at Southbank TAFE)

Electives - Semester 1	
ENB375	Structural Engineering 2
ENB378	Water Engineering
MAB233	Engineering Mathematics 3

Electives - Semester 2	
CEB413	Structural Engineering 3
ENB371	Geotechnical Engineering 2
ENB376	Transport Engineering
ENB377	Water and Waste Water Treatment Engineering

Potential Careers:

Engineering Technologist, Technical Officer.

Bachelor of Engineering (Civil) (CE44)

Year offered: 2008
Admissions: No
CRICOS code: 037544G
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $20,928; CSP $6,271
International Fees (per semester): 2008: $11,184 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 4 - Semester 1	
CEB411	Thesis Project A
	OR Elective
CEB412	Project Engineering 2
CEB424	Professional Studies 6 (Concrete Structures and Geotechnical Engineering)
	Choose one Elective

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 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	
ENB383	Environmental 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
CEB426	Environmental Professional Studies (Civil Project)
ENB383	Environmental Resurce Management
	Choose 1 Environmental Elective

Potential Careers:

Civil Engineer, Environmental Engineer.

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

Year offered: 2008
Admissions: No
CRICOS code: 040310K
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $216 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $20,928; CSP $6,536
International Fees (per semester): 2008: $11,184 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 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
	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.

Master of Engineering Science (Civil Engineering) (CE74)

Year offered: 2008
Admissions: No
CRICOS code: 020300M
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960
International Fees (per semester): No new admissions *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Standard credit points per part-time semester: 24
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Professor Arun Kumar / Professor Manicka Dhanasekar (Course Leaders)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, 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: 2008
Admissions: No
CRICOS code: 042259C
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Professor Arun Kumar / Professor Manicka Dhanasekar (Course Leaders)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, 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: 2008
Admissions: No
CRICOS code: 006363B
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,368
International Fees (per semester): 2008: $10,608 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 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 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
	null
	See list of electives in full-time structure.

Course structure- Full-time -Mid-Year Entry

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
	null
	See Electives list in full-time course structure

Potential Careers:

Construction Manager, Estimator, Project Manager.

Bachelor of Applied Science (Quantity Surveying) (CN53)

Year offered: 2008
Admissions: No
CRICOS code: 003500M
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,196
International Fees (per semester): 2008: $10,608 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 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 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 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: 2008
Admissions: No
CRICOS code: 040319A
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,491
International Fees (per semester): 2008: $10,608 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: Ms Connie Susilawati
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 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: 2008
Admissions: No
CRICOS code: 006362C
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Associate Professor Bambang Trigunarsyah (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, 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	
CNP533	Project Management Law
CNP534	International Project Management
	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: 2008
Admissions: No
CRICOS code: 016350B
Course duration (full-time): 1.5 years
Course duration (part-time): 3 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960;
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 144
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Associate Professor Bambang Trigunarsyah (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, 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	
CNP533	Project Management Law
CNP534	International Project Management
	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: 2008
Admissions: No
CRICOS code: 012705A
Course duration (full-time): 1 semester
Course duration (part-time): 1 year
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 48
Standard credit points per part-time semester: 24
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Associate Professor Bambang Trigunarsyah (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, 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: 2008
Admissions: Yes
CRICOS code: External course
Course duration (full-time): 3 years
Course duration (part-time): 6 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960
International Fees (per semester): 2008: $9,984 per semester *(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: 2008
Admissions: No
CRICOS code: 036428G
Course duration (full-time): 1 semester
Course duration (part-time): 1 year
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 48
Standard credit points per part-time semester: 24
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Associate Professor Bambang Trigunarsyah (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, 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: 2008
Admissions: No
CRICOS code: 036429G
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Associate Professor Bambang Trigunarsyah (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, 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: 2008
Admissions: No
CRICOS code: 036432A
Course duration (full-time): 1.5 years
Course duration (part-time): 3 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 144
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Associate Professor Bambang Trigunarsyah (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, 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)

Specialisation 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.

Graduate Diploma in Urban Design (DB69)

Year offered: 2008
Admissions: No
CRICOS code: 014018G
Course duration (full-time): 1 year
Course duration (part-time): 1.5 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Dr Kathi Holt-Damant (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: 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: 2008
Admissions: No
CRICOS code: 003475G
Course duration (full-time): 3 semesters including Summer semester
Course duration (part-time): 5 semesters
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. 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: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Dr Kathi Holt-Damant (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, 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: 2008
Admissions: Yes
CRICOS code: 056386C
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth supported place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,741
International Fees (per semester): 2008: $10,608 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412372
Past rank cut-off: 86
Past OP cut-off: 8
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 2008, only the first 3 years will be available. Year 4 will be introduced in 2009. Course units may be subject to 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.

Provisional accreditation for the Bachelor of Design(Architectural Studies) and the Master of Architecture has been given by the Architecture Accreditation Council of Australia. Full accreditation will be sought in 2010 when the first cohort graduates from the Master of Architecture.

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

Second Major/Minor unit

Year 2 - Semester 2

DAB410 Architectural Design 4
DAB420 Architecture, Culture and Space
DAB435 Architectural Technology 1
Second Major/Minor unit

Year 3 - Semester 1

DAB510 Architectural Design 5
DAB525 Architecture and the City
DAB530 Integrated Technologies 2
Second Major/Minor unit

Year 3 - Semester 2

DAB610 Architectural Design 6
DAB635 Architectural Technology 2
DEB601 Collaborative Design
Second Major/Minor unit

Year 4 - Semester 1

DAB710 Architectural Design 7
DEB701 Design and Research
Second Major/Minor unit
Second Major/Minor unit

Year 4 - Semester 2

DAB810 Architectural Design 8
DEB801 Professional Practice
Second Major/Minor unit
Second Major/Minor unit

Potential Careers:

Architect .

Bachelor of Design (Industrial Design) (DE40)

Year offered: 2008
Admissions: Yes
CRICOS code: 056386C
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth supported place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,741
International Fees (per semester): 2008: $10,608 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412382
Past rank cut-off: 76
Past OP cut-off: 12
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 2008, only the first 3 years will be available. Year 4 will be introduced in 2009. Course units may be subject to 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
	Second Major/Minor unit

Year 2 - Semester 2	
DNB401	Industrial Design 4
DNB402	Socio-cultural Studies
	Second Major/Minor unit
	Second Major/Minor unit

Year 3 - Semester 1	
DNB501	Industrial Design 5
DNB502	Industrial Design History, Theory and Criticism

Second Major/Minor unit
Second Major/Minor unit

Year 3 - Semester 2	
DEB601	Collaborative Design
DNB601	Industrial Design 6
DNB602	New Product Development
	Second Major/Minor unit

Year 4 - Semester 1	
DEB701	Design and Research
DNB701	Industrial Design 7
DNB702	Human-centred Design Innovation
	Second Major/Minor unit

Year 4 - Semester 2	
DEB801	Professional Practice
DNB801	Research and Innovation 1
DNB802	Research and Innovation 2
	Second Major/Minor unit

Potential Careers:
Industrial Designer.

Bachelor of Design (Interior Design) (DE40)

Year offered: 2008
Admissions: Yes
CRICOS code: 056386C
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,741
International Fees (per semester): 2008: $10,608 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412362
Past rank cut-off: 83
Past OP cut-off: 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: Ms Petina Rock and Mr Mark Taylor
Campus: Gardens Point

IMPORTANT - SPECIAL NOTE

In 2008, only the first 3 years will be available. Year 4 will be introduced in 2009. Course units may be subject to 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
	Second Major/Minor unit

Year 2 - Semester 2	
DTB401	Interior Design 4
DTB402	Interior Systems
DTB403	Human Environment
	Second Major/Minor unit

Year 3 - Semester 1	
DTB501	Interior Design 5
DTB502	Environments in Transition
DTB503	Furniture Studies
	Second Major/Minor unit

Year 3 - Semester 2	
DEB601	Collaborative Design
DTB601	Interior Design 6
DTB602	Design in Society
	Second Major/Minor unit

Year 4 - Semester 1	
DEB701	Design and Research
DTB701	Interior Design 7
	Second Major/Minor unit
	Second Major/Minor unit

Year 4 - Semester 2	
DEB801	Professional Practice
DTB801	Interior Design 8
	Second Major/Minor unit
	Second Major/Minor unit

Potential Careers:

Interior Designer.

Bachelor of Design (Landscape Architecture) (DE40)

Year offered: 2008
Admissions: Yes
CRICOS code: 056386C
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth supported place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,741
International Fees (per semester): 2008: $10,608 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412342
Past rank cut-off: 74
Past OP cut-off: 13
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 Jeannie Sim
Campus: Gardens Point

IMPORTANT - SPECIAL NOTE

In 2008, only the first 3 years will be available. Year 4 will be introduced in 2009. Course units may be subject to 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
	Second Major/Minor unit
	Second Major/Minor unit

Year 2 - Semester 2	
DLB410	Creative Site Design 1
DLB430	Physical Site Design
	Second Major/Minor unit
	Second Major/Minor unit

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

DLB530	Design Resolution
	Second Major/Minor unit

Year 3 - Semester 2

DEB601	Collaborative Design
DLB630	Advanced Landscape Construction
DLB645	Regulating the Built Environment
	Second Major/Minor unit

Year 4 - Semester 1

DEB701	Design and Research
DLB710	Urban Design Futures
DLB730	Advanced Project 1
	Second Major/Minor unit

Year 4 - Semester 2

DEB801	Professional Practice
DLB810	Landscape Planning
DLB830	Advanced Project 2
	Second Major/Minor unit

Potential Careers:
Landscape Architect.

Master of Design (Urban Design) (DE50)

Year offered: 2008
Admissions: Yes
CRICOS code: 060812M
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: $12,960
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: February and July
International Entry: February and July
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Jay Yang (Please refer course specific enquiries to Course Leader.)
Discipline coordinator: Dr Kathi Holt-Damant (Course Leader)
Campus: Gardens Point

Overview

The Master of Design addresses the issues of professional development in the design fields of built environment and engineering. It aims to enhance and advance your skills and understanding of the design disciplines through explorations in social, historic, economic, legal, and technological processes and systems that act upon our environments and products. This course advances abilities in visual and design literacy, communication, and design processes, through the integration of aspects of sustainability, project management, leadership, and design project applications. Early exit with a Graduate Diploma is available upon completion of four units in the course.

Entry Requirements

A four-year full-time bachelor degree in a relevant discipline area, or equivalent qualification determined by the Faculty, and a grade point average of 5.0 or more (on a 7-point scale) in that study. English language requirements for the course are an English Language Proficiency level in accordance with QUT requirements (IELTS score of 6.0 with no sub-band below 6.0) if English is not your first language. Applicants from a non-relevant background may gain entry through successful completion of BN85, the Graduate Certificate in Built Environment and Engineering. If requested, supply documentation of professional work experience as detailed in Completing the PG Form. four-year full-time bachelor degree in a relevant discipline area, or equivalent qualification determined by the Faculty, and a grade point average of 5.0 or more (on a 7-point scale) in that study. English language requirements for the course are an English Language Proficiency level in accordance with QUT requirements (IELTS score of 6.0 with no sub-band below 6.0) if English is not your first language. Applicants from a non-relevant background may gain entry through successful completion of BN85, the Graduate Certificate in Built Environment and Engineering.

If requested, supply documentation of professional work experience as detailed in Completing the PG Form.

Career Outcomes

Graduates may choose to become specialist urban designers within their chosen professional field, or use the skills and knowledge gained to diversify their capabilities across a broader spectrum of design disciplines. In particular this course provides the skills and knowledge to become a leader and manager of urban design processes, both in the development and implementation of urban design policy and urban design practice. Graduates may typically work in either private practice as urban designers, or in government organisations as urban policy developers and implementers.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Course structure - February Entry

Full-time Course Structure - Year 1, Semester 1	
BEN610	Project Management Principles
DEN510	Urban Design Theory
GSN235	Communication, Negotiation and Leadership
	Elective

Year 1, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
BEN910	Integrated Project
DEN520	Urban Design and Theory Studio B
	Elective

Part-time Course Structure - Year 1, Semester 1	
BEN610	Project Management Principles
DEN510	Urban Design Theory

Year 1, Semester 2	
DEN520	Urban Design and Theory Studio B
	Elective

Year 2, Semester 1	
GSN235	Communication, Negotiation and Leadership
	Elective

Year 2, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
BEN910	Integrated Project

Course structure - Mid Year Entry

Year 1, Semester 1	
BEN610	Project Management Principles
BEN910	Integrated Project
DEN510	Urban Design Theory
	Elective

Part-time Course Structure - Year 1, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
	Elective

Year 2, Semester 1	
BEN610	Project Management Principles
DEN510	Urban Design Theory

Year 2, Semester 2	
DEN520	Urban Design and Theory Studio B
GSN235	Communication, Negotiation and Leadership

Year 3, Semester 1	
BEN910	Integrated Project
	Elective

Electives

UDN510	Urban Planning Practice
UDN512	Community Planning
UDN514	Regional Planning Practice
UDN572	Infrastructure Planning and Management
UDN576	Transportation Infrastructure

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

Year offered: 2008
Admissions: No
CRICOS code: 003490G
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $20,928; CSP $6,163
International Fees (per semester): 2008: $11,184 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 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

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 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

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 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

ENB241 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 (Computer Systems) (EE46)

Year offered: 2008
Admissions: No
CRICOS code: 040309C
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full Fee Tuition $20,928; CSP $6,236
International Fees (per semester): 2008: $11,184 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 Jasmine Banks
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 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

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
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 Networks
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.
	null

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: 2008
Admissions: No
CRICOS code: 040308D
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full Fee Tuition $20,928; CSP $6,077
International Fees (per semester): 2008: $11,184 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 Jasmine Banks
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 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	
ENB350	Real-time Computer-based Systems
ENB352	Communication Environments for Embedded Systems
EEB941	Modern Signal Processing
EEB960	Wireless Communications
EEB976	Advanced Industrial Electronics

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
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: 2008
Admissions: No
CRICOS code: 037543G
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full Fee Tuition $20,928; CSP $6,473
International Fees (per semester): 2008: $11,184 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 Felipe Gonzalez
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 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.

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 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 must complete 60 days approved industrial experience in an engineering environment as approved by the course coordinator, including 10 days specialist experience in the 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
PCB469	Astrophysics 1
	General Elective or a language
	Please check unit availability, as not all units are offered every year.
	At the discretion of the course coordinator, students maybe alowed 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:

Aerospace Avionics Engineer.

Graduate Diploma in Computer and Communications Engineering (EE67)

Year offered: 2008
Admissions: No
CRICOS code: 015184G
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960
International Fees (per semester): No new admissions *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007..
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Dr Michael Mason (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, 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: 2008
Admissions: No
CRICOS code: 040343A
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960
International Fees (per semester): No new admissions *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Dr Michael Mason (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, 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:

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.

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

Potential Careers:

Computer Systems Engineer, Electrical and Computer Engineer.

Master of Engineering Science (Electrical Engineering Studies) (EE77)

Year offered: 2008
Admissions: No
CRICOS code: 042260K
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Dr Michael Mason (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, 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 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.

Bachelor of Engineering (Aerospace Avionics) (EN40)

Year offered: 2008
Admissions: Yes
CRICOS code: 056389M
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full Fee Tuition $20,928; CSP $6,760
International Fees (per semester): 2008: $11,184 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 Felipe Gonzalez
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2008, only the first 3 years will be available. Year 4 will be introduced in 2009. Course units may be subject to 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

Full professional accreditation from Engineers Australia has been given for this course.

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

Students must complete 60 days approved industrial experience in an engineering environment as approved by the course coordinator, including 10 days specialist experience in the avionics industry. Students will complete their industrial experience component within a unit of Work Integrated Learning.

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: 2008
Admissions: Yes
CRICOS code: 056529D
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full Fee Tuition $20,928; CSP $6,760
International Fees (per semester): 2008: $11,184 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412502
Past rank cut-off: 76
Past OP cut-off: 12
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 2008, only the first 3 years will be available. Year 4 will be introduced in 2009. Course units may be subject to 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

Full professional accreditation from Engineers Australia has been given for this course.

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 - standard program

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
	Second Major/Minor unit

Year 4 - Semester 1

BEB701	Work Integrated Learning 1
BEB801	Project 1
ENB471	Design of Concrete Structures and Foundations
	Second Major/Minor unit

Year 4 - Semester 2

	Applications Minor Selective
	Applications Minor Selective
	Second Major/Minor unit
	Second Major/Minor unit

Applications Minor Selectives

	Semester 2:
BEB802	Project 2
ENB476	Civil Engineering Design Project
ENB481	Civil Engineering Project Management

Course structure - Civil Infrastructure 2nd Major

Civil Construction major students who elect to do this 2nd major, will follow the first 2 ? years of the standard program and then continue with the following program:

Year 3, Semester 2

ENB201	Fluid Mechanics
ENB371	Geotechnical Engineering 2
ENB382	Estimating in Engineering Construction
ENB373	Design and Construction of Steel Structures

Year 4, Semester 1

BEB701	Work Integrated Learning 1
ENB372	Design and Planning of Highways
ENB378	Water Engineering
ENB471	Design of Concrete Structures and Foundations

Year 4, Semester 2

BEB801	Project 1
ENB476	Civil Engineering Design Project
ENB481	Civil Engineering Project Management
ENB376	Transport Engineering
	OR
ENB377	Water and Waste Water Treatment Engineering

Course structure - Structural Engineering 2nd Major

Civil Construction major students who elect to do this 2nd major, will follow the first 2 ? years of the standard program and then continue with the following program:

Year 3, Semester 2

BEB701	Work Integrated Learning 1
ENB371	Geotechnical Engineering 2
ENB382	Estimating in Engineering Construction
ENB373	Design and Construction of Steel Structures

Year 4, Semester 1

BEB801	Project 1
ENB471	Design of Concrete Structures and Foundations
ENB475	Structural Engineering 3
	Second Major Selective

Year 4, Semester 2

	Second Major Selective
	Second Major Selective
	Second Major Selective
	Second Major Selective

Second Major Selectives

	Semester 1:
DAB110	Introductory Architectural Design 1

Semester 2:

ENB485	Advanced Geotechical Engineering Practice
BEB802	Project 2
DAB210	Introductory Architectural Design 2
ENB473	Design and Construction of Multi-Storey Buildings
ENB474	Finite Element Methods
ENB476	Civil Engineering Design Project
ENB481	Civil Engineering Project Management

Potential Careers:

Civil Engineer, Construction Manager, Project Manager.

Bachelor of Engineering (Civil and Environmental) (EN40)

Year offered: 2008
Admissions: Yes
CRICOS code: 056529D
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full Fee Tuition $20,928; CSP $6,760
International Fees (per semester): 2008: $11,184 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412502
Past rank cut-off: 76
Past OP cut-off: 12
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 2008, only the first 3 years will be available. Year 4 will be introduced in 2009. Course units may be subject to 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

Full professional accreditation from Engineers Australia has been given for this course.

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
	Second Major/Minor Unit

Year 3 - Semester 2

ENB371	Geotechnical Engineering 2
ENB376	Transport Engineering
ENB383	Environmental Resource Management
UDB164	Population and Urban Studies

Year 4 - Semester 1

BEB701	Work Integrated Learning 1
BEB801	Project 1
	Applications Minor Selective
	Second Major/Minor Unit

Year 4 - Semester 2

ENB377	Water and Waste Water Treatment Engineering
	Applications Minor Selective
	Second Major/Minor Unit
	Second Major/Minor Unit

Applications Minor Selectives

	Semester 1:
ENB379	Transport Engineering and Planning Applications
ENB478	Advanced Water Engineering
ENB485	Advanced Geotechnical Engineering Practice
	Semester 2:
BEB802	Project 2
ENB474	Finite Element Methods
ENB476	Civil Engineering Design Project

Potential Careers:

Civil Engineer, Environmental Engineer.

Bachelor of Engineering (Civil) (EN40)

Year offered: 2008
Admissions: Yes
CRICOS code: 056529D
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $20,928; CSP $6,760
International Fees (per semester): 2008: $11,184 per semester *(subject to annual review)*
Domestic Entry: February and July
International Entry: February; July
QTAC code: 412502
Past rank cut-off: 76
Past OP cut-off: 12
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 2008, only the first 3 years will be available. Year 4 will be introduced in 2009. Course units may be subject to 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

Full professional accreditation from Engineers Australia has been given for this course.

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 - standard program

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
	Second Major/Minor unit

Year 3 - Semester 2	
ENB371	Geotechnical Engineering 2
ENB376	Transport Engineering
ENB377	Water and Waste Water Treatment Engineering
	Second Major/Minor unit

Year 4 - Semester 1	
BEB701	Work Integrated Learning 1
BEB801	Project 1
ENB471	Design of Concrete Structures and Foundations
	Applications Minor Selective

Year 4 - Semester 2	
ENB472	Project Engineering 2
	Applications Minor Selective
	Second Major/Minor unit
	Second Major/Minor unit

Applications Minor Selectives	
	Semester 1:
ENB379	Transport Engineering and Planning Applications
ENB380	Environmental Law and Assessment
ENB475	Structural Engineering 3
ENB478	Advanced Water Engineering
ENB485	Advanced Geotechnical Engineering Practice
	Semester 2:
BEB802	Project 2
ENB373	Design and Construction of Steel Structures
ENB383	Environmental Resource Management
ENB473	Design and Construction of Multi-Storey Buildings
ENB474	Finite Element Methods
ENB476	Civil Engineering Design Project
ENB481	Civil Engineering Project Management

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.

Course structure - Structural Engineering 2nd major

Civil major students who elect to do this 2nd major, will follow the first 2 years of the standard program and then continue with the following program:

Year 3, Semester 1	
BEB701	Work Integrated Learning 1
ENB372	Design and Planning of Highways
ENB375	Structural Engineering 2

ENB378	Water Engineering

Year 3, Semester 2

ENB371	Geotechnical Engineering 2
ENB373	Design and Construction of Steel Structures
ENB376	Transport Engineering
ENB377	Water and Waste Water Treatment Engineering

Year 4, Semester 1

BEB801	Project 1
ENB471	Design of Concrete Structures and Foundations
ENB475	Structural Engineering 3
	Second Major Selective

Year 4, Semester 2

ENB472	Project Engineering 2
	Second Major Selective
	Second Major Selective
	Second Major Selective

Second Major Selectives

	Semester 1:
DAB110	Introductory Architectural Design 1
ENB485	Advanced Geotechnical Engineering Practice
	Semester 2:
BEB802	Project 2
DAB210	Introductory Architectural Design 2
ENB473	Design and Construction of Multi-Storey Buildings
ENB474	Finite Element Methods
ENB476	Civil Engineering Design Project
ENB481	Civil Engineering Project Management

Course structure - Transport Engineering and Planning 2nd major

Civil major students who elect to do this 2nd major, will follow the first 2 years of the standard program and then continue with the following program:

Year 3, Semester 1

ENB372	Design and Planning of Highways
ENB375	Structural Engineering 2
ENB378	Water Engineering
UDB266	Planning Processes and Consultations

Year 3, Semester 2

ENB371	Geotechnical Engineering 2
ENB376	Transport Engineering
ENB377	Water and Waste Water Treatment Engineering
UDB104	Urban Development Economics

Year 4, Semester 1

BEB701	Work Integrated Learning 1
BEB801	Project 1
ENB379	Transport Engineering and Planning Applications
ENB471	Design of Concrete Structures and Foundations

Year 4, Semester 2

ENB472	Project Engineering 2
UDB267	Development Assessment and Infrastructure
UDB370	Environmental Planning and Management
	Second Major Selective

Second Major Selectives

	Semester 2:
BEB802	Project 2
ENB476	Civil Engineering Design Project

Potential Careers:

Civil Engineer, Environmental Engineer.

Bachelor of Engineering (Computer Systems) (EN40)

Year offered: 2008
Admissions: Yes
CRICOS code: 056529D
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full Fee Tuition $20,928; CSP $6,760
International Fees (per semester): 2008: $11,184 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412502
Past rank cut-off: 76
Past OP cut-off: 12
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 Jasmine Banks
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2008, only the first 3 years will be available. Year 4 will be introduced in 2009. Course units may be subject to 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

Full professional accreditation from Engineers Australia has been given for this course.

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 (Infomechatronics) (EN40)

Year offered: 2008
Admissions: Yes
CRICOS code: 056529D
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full Fee Tuition $20,928; CSP $6,760
International Fees (per semester): 2008: $11,184 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412502
Past rank cut-off: 76
Past OP cut-off: 12
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 2008, only the first 3 years will be available. Year 4 will be introduced in 2009. Course units may be subject to 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

Full professional accreditation from Engineers Australia has been given for this course.

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 Selective

Year 4 - Semester 2	
BEB701	Work Integrated Learning 1
BEB801	Project 1
BEB802	Project 2
ITB706	Systems Programming

Applications Minor Selectives	
	To be advised by the Subject Area Coordinator.

Potential Careers:

Manufacturer, Mechanical Engineer.

Bachelor of Engineering (Mechanical) (EN40)

Year offered: 2008
Admissions: Yes
CRICOS code: 056529D
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full Fee Tuition $20,928; CSP $6,760
International Fees (per semester): 2008: $11,184 per semester *(subject to annual review)*
Domestic Entry: February and July
International Entry: February; July
QTAC code: 412502
Past rank cut-off: 76
Past OP cut-off: 12
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 2008, only the first 3 years will be available. Year 4 will be introduced in 2009. Course units may be subject to 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

Full professional accreditation from Engineers Australia has been given for this course.

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 - standard program

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

Please note:

Students wishing to undertake CEED based Industry Project should consult the Subject Area Coordinator to provide a program for the final 2 years. CEED program requires that you undertake units BEB701, BEB801 and BEB802 together in either Semester 1 or 2.

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

Second Major/Minor unit

Year 4 - Semester 1

BEB801 Project 1

ENB421 Thermodynamics 2

Applications Minor Selective

Second Major/Minor unit

Year 4 - Semester 2

BEB701 Work Integrated Learning 1

BEB802 Project 2

Second Major/Minor unit

Second Major/Minor unit

Applications Minor Selectives

To be advised by the Subject Area Coordinator.

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.

Course structure - Engineering Management 2nd Major

Mechanical major students who elect to do this 2nd major, will follow the first 2 ? years of the standard program and then continue with the following program:

Engineering Management major students are expected to do an industry-based project such as CEED combining Project 1, Project 2, and Work Integrated Learning 1 units. These units are to be done concurrently.

Year 3, Semester 2

ENB312 Dynamics of Machinery

ENB317 Design and Maintenance of Machinery

ENB321 Fluids Dynamics

ENB336	Industrial Engineering

Year 4, Semester 1

ENB333	Operations Management
ENB421	Thermodynamics 2
ENB432	Engineering Asset Management and Maintenance
	Second Major Selective

Year 4, Semester 2

BEB701	Work Integrated Learning 1
BEB801	Project 1
BEB802	Project 2
	Second Major Selective

Second Major Selectives

	Semester 1:
BSB126	Marketing
ENB435	Computer Integrated Manufacturing
	Semester 2:
BSB115	Management, People and Organisations
ENB422	Energy Management
MGB218	Managing Business Growth
	Students may choose any other unit related to management approved by the Subject Area Coordinator.

Course structure - Automotive Engineering 2nd Major

Mechanical major students who elect to do this 2nd major, will follow the first 2 ? years of the standard program and then continue with the following program:

Year 3, Semester 2

ENB312	Dynamics of Machinery
ENB317	Design and Maintenance of Machinery
ENB321	Fluids Dynamics
ENB334	Design For Manufacturing

Year 4, Semester 1

ENB315	Motor Racing Vehicle Design
ENB333	Operations Management
ENB421	Thermodynamics 2
ENB432	Engineering Asset Management and Maintenance

Year 4, Semester 2

BEB701	Work Integrated Learning 1
BEB801	Project 1
BEB802	Project 2
DNB202	Product Usability

Potential Careers:

Mechanical Engineer.

Bachelor of Engineering (Medical) (EN40)

Year offered: 2008
Admissions: Yes
CRICOS code: 056388A
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $20,928; CSP $6,760
International Fees (per semester): 2008: $11,184 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412502
Past rank cut-off: 76
Past OP cut-off: 12
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 2008, only the first 3 years will be available. Year 4 will be introduced in 2009. Course units may be subject to 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

Full professional accreditation from Engineers Australia has been given for this course.

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	Biomechanical Engineering Design
MAB233	Engineering Mathematics 3

Year 3 - Semester 2

ENB318	Biomechanical Engineering Systems
ENB322	Biofluids
ENB338	Biomaterials
ENB437	Health Legislation in the Medical Environment

Year 4 - Semester 1

BEB801	Project 1
ENB301	Instrumentation and Control
ENB432	Engineering Asset Management and Maintenance
	Applications Minor Selective

Year 4 - Semester 2

BEB701	Work Integrated Learning 1
BEB802	Project 2
ENB335	Modelling and Simulation For Medical Engineers
PCB605	Biomedical Instrumentation

Applications Minor Selectives

	To be advised by the Subject Area Coordinator.

Potential Careers:

Biomechanical Engineer, Biomedical Engineer, Mechanical Engineer.

Bachelor of Engineering (Telecommunications) (EN40)

Year offered: 2008
Admissions: Yes
CRICOS code: 056529D
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full Fee Tuition $20,928; CSP $6,760
International Fees (per semester): 2008: $11,184 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412502
Past rank cut-off: 76
Past OP cut-off: 12
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 Jasmine Banks
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2008, only the first 3 years will be available. Year 4 will be introduced in 2009. Course units may be subject to 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

Full professional accreditation from Engineers Australia has been given for this course.

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 Networks
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: 2008
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 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full Fee Tuition $20,928; CSP $6,760
International Fees (per semester): 2008: $11,184 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, VHA) and Maths B (4, VHA)
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 .

Additional Entry Requirements

Engineering Dean's Scholars applicants are required to complete a questionnaire which will be available at **questionnaire** available via the **Engineering Dean's Scholars website**.

Shortlisted applicants may be required to attend an interview and will be notified of date and venue after the questionnaire closes.

The due date to submit the questionnaire for the late January round is 18 January 2008. Late submissions will be accepted up until 18 January 2008. Submissions after 18 January will not be accepted.

Fixed Closing Date

Applications for this program will close on **30 November**.

Recommended Study

Chemistry, Maths C and Physics.

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.

Industry Sponsors

ESSO and Mobil
Visy Paper
EGR Group
Brisbane City Council
Bovis Lend Lease
CIEAM
Thiess

Course Structure

The Dean's Scholars Program offers students the opportunity to complete one of the Bachelor of Engineering programs and a Master of Engineering whilst providing a number of opportunities, which include;

- Introduction to the Engineering environment and high-level engineering management through company site visits;
- Boardroom visits to sponsoring companies to introduce you to prospective employers and engineering managers;
- Leadership Dinner sponsored by one of the companies associated with the program;

- Participation in a number of events relating to industry and association;

- Involvement in programs within the community;

- Access to senior academics who will assist you throughout your course.

Students can choose to complete one out of ten Bachelor of Engineering programs. This does not include the Bachelor of Engineering (Software Engineering).

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/study/scholarships/commencing/deans.jsp

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

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.

Further Information

The Faculty of Built Environment and Engineering Phone + 61 7 3864 4039, Fax + 61 7 3864 5280, 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.

Aerospace Avionics - Dean's Scholars Course structure

Programme for students who commence 2008 onwards.

See EN40 Bachelor of Engineering (Aerospace Avionics) course structure.

If as a Dean's Scholar, you wish to accelerate your program, please consult with the Course Coordinator.

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.

Due to the major restructure of our Postgraduate Studies commencing in 2008, continuing DeanÕs Scholars who commenced prior to 2006 are advised to consult the Course Coordinator regarding their remaining program.

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.

Due to the major restructure of our Postgraduate Studies commencing in 2008, continuing DeanÕs Scholars who commenced prior to 2006 are advised to consult the Course Coordinator regarding their remaining program.

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.

Due to the major restructure of our Postgraduate Studies commencing in 2008, continuing DeanÕs Scholars who commenced prior to 2006 are advised to consult the Course Coordinator regarding their remaining program.

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.

Due to the major restructure of our Postgraduate Studies commencing in 2008, continuing DeanÕs Scholars who commenced prior to 2006 are advised to consult the Course Coordinator regarding their remaining program.

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.

Due to the major restructure of our Postgraduate Studies commencing in 2008, continuing DeanÕs Scholars who commenced prior to 2006 are advised to consult the Course Coordinator regarding their remaining program.

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.

Due to the major restructure of our Postgraduate Studies commencing in 2008, continuing DeanÕs Scholars who commenced prior to 2006 are advised to consult the Course Coordinator regarding their remaining program.

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.

Due to the major restructure of our Postgraduate Studies commencing in 2008, continuing DeanÕs Scholars who commenced prior to 2006 are advised to consult the Course Coordinator regarding their remaining program.

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.

Due to the major restructure of our Postgraduate Studies commencing in 2008, continuing DeanÕs Scholars who commenced prior to 2006 are advised to consult the Course Coordinator regarding their remaining program.

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.

Master of Engineering (Systems) (EN50)

Year offered: 2008
Admissions: Yes
CRICOS code: 060811A
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: $12,960
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: February and July
International Entry: February and July
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Jay Yang (Please refer course specific enquiries to Course Leader.)
Discipline coordinator: Dr Michael Mason (Course Leader)
Campus: Gardens Point

Overview

This course provides a developmental path for professional engineers to master skills in selected engineering disciplines and the interaction of those disciplines. It aims to enhance your skills in dealing with more complex engineering problems and interactions between engineering technical domains and the broader context in which they exist. Systems engineering is concerned with the design, operation and maintenance of electrical and mechanical systems that are employed in medical, aerospace, industrial settings, and in communications technology. This course advances your capabilities in information literacy, problem solving, application of theory, engineering design, communication, and interaction with other professionals. Early exit with a Graduate Diploma is available upon completion of four units in the course.

Entry Requirements

A four-year full-time bachelor degree in a relevant engineering discipline area and a grade point average of 5.0 or more (on a 7-point scale) in that study, or an equivalent qualification determined by the Faculty. English language requirements for the course are an English Language Proficiency level in accordance with QUT requirements (IELTS score of 6.0 with no sub-band below 6.0) if English is not your first language. Applicants from a non-relevant background may gain entry through successful completion of BN85, the Graduate Certificate in Built Environment and Engineering.

If requested, supply documentation of professional work experience as detailed in Completing the PG Form.

Career Outcomes

Graduates may choose to become a specialist systems engineering practitioner within their chosen professional field, or use the skills and knowledge gained to diversify their capabilities across a broader spectrum of systems-related disciplines. In particular, this course provides graduates with the skills and knowledge to become a leader, manager and innovator in the chosen discipline. Graduates may typically work in government, semi-government or private organisations as electrical, mechanical, biomedical or avionics engineers.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Course structure - February Entry

Full-time Course Structure - Year 1, Semester 1	
BEN610	Project Management Principles
ENN520	Advanced Signal Processing and Systems
ENN540	Engineering Optimisation
GSN235	Communication, Negotiation and Leadership

Year 1, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
BEN910	Integrated Project
ENN560	System Design
ENN580	Control Systems

Part-time Course Structure - Year 1, Semester 1	
BEN610	Project Management Principles
ENN520	Advanced Signal Processing and Systems

Year 1, Semester 2	
ENN560	System Design
ENN580	Control Systems

Year 2, Semester 1	
ENN540	Engineering Optimisation
GSN235	Communication, Negotiation and Leadership

Year 2, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
BEN910	Integrated Project

Course structure - Mid Year Entry

Full-time Course Structure - Year 1, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
ENN560	System Design
ENN580	Control Systems
GSN235	Communication, Negotiation and Leadership

Year 2, Semester 1

BEN610	Project Management Principles
BEN910	Integrated Project
ENN520	Advanced Signal Processing and Systems
ENN540	Engineering Optimisation

Part-time Course Structure - Year 1, Semester 2

ENN560	System Design
ENN580	Control Systems

Year 2, Semester 1

BEN610	Project Management Principles
ENN520	Advanced Signal Processing and Systems

Year 2, Semester 2

BEN710	Sustainable Practice in Built Environment and Engineering
GSN235	Communication, Negotiation and Leadership

Year 3, Semester 1

BEN910	Integrated Project
ENN540	Engineering Optimisation

Bachelor of Engineering (Electrical)/ Bachelor of Mathematics (IF21)

Year offered: 2008
Admissions: Yes
CRICOS code: 020329J
Course duration (full-time): 5 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $20,928; CSP $6,712
International Fees (per semester): 2008: $11,184 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 419572
Past rank cut-off: 76
Past OP cut-off: 12
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: 480
Standard credit points per full-time semester: 48
Course coordinator: Dr R.Mahalinga-Iyer (Engineering); Associate Professor Graeme Pettet (Mathematics)
Discipline coordinator: Dr Ed Palmer (Engineering)
Campus: Gardens Point

Recommended study

Chemistry, Maths C and Physics are recommended.

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.

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
Associate Professor 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.

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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

ENB242	Introduction To Telecommunications
ENB350	Real-time Computer-based Systems
MAB312	Linear Algebra
MAB314	Statistical Modelling 2

Year 3, Semester 2

ENB245	Introduction To Design and Professional Practice
ENB352	Communication Environments For Embedded Systems
MAB420	Computational Mathematics 2
MAB480	Introduction to Scientific Computation
	OR
	Computing Elective

Year 4, Semester 1

ENB301	Instrumentation and Control
ENB340	Power Systems and Machines
ENB342	Signals, Systems and Transforms
	Mathematics elective (Level 3)

Year 4, Semester 2

ENB345	Advanced Design and Professional Practice
ENB346	Digital Communications
ENB458	Modern Control Systems
MAB414	Applied Statistics 2

Year 5, Semester 1

BEB701	Work Integrated Learning 1
BEB801	Project 1
	Applications Minor Selective
	Mathematics elective (Level 3)

Year 5, Semester 2

BEB802	Project 2
ENB344	Industrial Electronics
	Applications Minor Selective
	Mathematics elective (Level 3)

Applications Minor Selectives - Same as for EN40

Electrical.

Please refer to EN40 Electrical Course Structure - Standard Program.

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.

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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

ENB242	Introduction To Telecommunications
ENB350	Real-time Computer-based Systems
MAB312	Linear Algebra
MAB314	Statistical Modelling 2

Year 3, Semester 2

ENB245	Introduction To Design and Professional Practice
ENB352	Communication Environments For Embedded Systems
MAB420	Computational Mathematics 2
MAB480	Introduction to Scientific Computation
	OR
	Computing Elective

Year 4, Semester 1

ENB301	Instrumentation and Control

ENB340	Power Systems and Machines
ENB342	Signals, Systems and Transforms
	Mathematics elective (Level 3)

Year 4, Semester 2

ENB345	Advanced Design and Professional Practice
ENB346	Digital Communications
ENB458	Modern Control Systems
MAB414	Applied Statistics 2

Year 5, Semester 1

BEB701	Work Integrated Learning 1
BEB801	Project 1
	Applications Minor Selective
	Mathematics elective (Level 3)

Year 5, Semester 2

BEB802	Project 2
ENB344	Industrial Electronics
	Applications Minor Selective
	Mathematics elective (Level 3)

Applications Minor Selectives - Same as for EN40 Electrical.

Please refer to EN40 Electrical Course Structure - Standard Program.

Mathematics Electives (Level 2)

MAB422	Mathematical Modelling
MAB461	Discrete Mathematics

Mathematics Electives (Level 3)

Four units required:

MAB521	Applied Mathematics 3
MAB522	Computational Mathematics 3
MAB524	Statistical Inference
MAB533	Statistical Techniques
MAB536	Time Series Analysis
MAB613	Partial Differential Equations
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: 2008
Admissions: No
CRICOS code: 027278C
Course duration (full-time): 5 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $20,928; CSP $7,113
International Fees (per semester): 2008: $11,184 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

Discontinuation

From Semester 1, 2007, this course has been renamed and recoded to IX28 Bachelor of Business/Bachelor of Engineering. Currently enrolled students who wish to remain in, and graduate from the existing program will be permitted to do so up to the end of 2009. From Semester 1, 2010, all students will be enrolled in the new program.

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> This course has been discontinued. Currently enrolled students should check the Course Summary Sheet (via QUT Virtual) for enrolment and unit information.

Doctor of Philosophy (Built Environment, Engineering) (IF49)

Year offered: 2008
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: 2008 Full fee tuition $135 per credit point (exceeded max. entitlement) *(subject to annual review)*
Domestic fees (indicative): 2008: $12,960 (exceeded max entitlements)
International Fees (per semester): 2008: $11,184 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 5.5 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:
* Infrastructure (Energy, Water, Housing and Construction)
* Smart Systems (Speech and signal processing, robotics and automation, and infrastructure and asset management)
* Medical Engineering (Orthopaedics & trauma, Biomedical modelling and simulation) and
* 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:
* 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.

MEDICAL ENGINEERING - Biomechanical Modelling and Simulation

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.

SMART SYSTEMS - 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.

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.

INFRASTRUCTURE - 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.

INFRASTRUCTURE - 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.

INFRASTRUCTURE - 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 3138 1424, Fax +61 7 3138 8381, e-mail: bee.research@qut.edu.au

Bachelor of Engineering (Electrical)/Bachelor of Information Technology (IF59)

Year offered: 2008
Admissions: Yes
CRICOS code: 006384G
Course duration (full-time): 5 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $20,928; CSP $6,960
International Fees (per semester): 2008: $11,184 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 419512
Past rank cut-off: 76
Past OP cut-off: 12
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

ENB242	Introduction To Telecommunications
ENB340	Power Systems and Machines
	IT Elective
	IT Elective

Year 3, Semester 2

ENB241	Software Systems Design
ENB244	Microprocessors and Digital Systems
ENB345	Advanced Design and Professional Practice
	IT Elective

Year 4, Semester 1

ENB342	Signals, Systems and Transforms
ENB343	Fields, Transmission and Propagation
ENB350	Real-time Computer-based Systems
	IT Elective

Year 4, Semester 2

ENB344	Industrial Electronics
ENB346	Digital Communications
ITB009	Core Project Management
	IT Elective

Year 5, Semester 1

ENB301	Instrumentation and Control
BEB801	Project 1
	OR
ITB844-1	Project
	IT Elective
	Applications Minor Selective

Year 5, Semester 2

BEB701	Work Integrated Learning 1
BEB802	Project 2
	OR
ITB844-2	Project
	IT Elective
	Applications Minor Selective

Applications Minor Selectives - Same as for EN40 Electrical.

Please refer to EN40 Electrical Course Structure - Standard Program.

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

ITB001	Problem Solving and Programming
ITB002	IT Professional Studies
ITB003	Object Oriented Programming
ITB004	Database Systems
ITB005	Systems Architecture
ITB006	Networks
ITB007	Web Development
ITB008	Modelling Analysis and Design
ITB009	Core Project Management
ITB010	Core Project Implementation
ITB011	CCNA 1 & 2: Network Fundamentals and Routing Protocols
ITB012	CCNA 3&4: LAN SWITCHING/WIRELESS AND ACCESSING THE WAN
ITB016	Fundamentals of Games Design
ITB017	Advanced Games Design
ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB228	Enterprise Systems
ITB229	Database Design
ITB230	Project
ITB233	Enterprise Systems Applications
ITB239	Enterprise Data Mining
ITB254	Interaction Design
ITB257	Multimedia Systems
ITB259	Advanced Multimedia Systems
ITB260	E-Commerce Site Development
ITB264	Information Systems Consulting
ITB266	Information Management
ITB298	Business Process Modelling
ITB322	Information Resources

ITB360	Corporate Systems
ITB361	Socio-technical Systems
ITB362	Organisational Databases
ITB363	Project Management Practice
ITB364	Information Systems Development
ITB365	Business Analysis
ITB366	Information Systems Operations
ITB370	Project
ITB705	Intelligent Systems
ITB702	Algorithms and Data Structures
ITB706	Systems Programming
ITB712	Software Engineering Studies
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
ITB730	Information Security Fundamentals
	ITB731 is offered bi-annually and will be available for 2009
ITB723	Wireless and Mobile Networks
ITB731	Security Technologies
ITB746	Modelling and Animation Techniques
ITB747	Real Time Rendering Techniques
ITB732	Cryptology and Protocols
ITB749	Scientific Programming
ITB750	Computer Game Studies
ITB751	Games Production
	ITB761/2/3/4/5 Please check with the relevant coordinator for further information on Special Topics.
	ITB762 Special Topic in 1/2008 is to be used for CCNA 1 & 2: Internetworking and Rouiting Basics
ITB761	Special Topic 1
ITB762	CCNA 1 & 2: INTERNETWORKING AND ROUTING BASICS
ITB763	Special Topic 3
ITB764	Special Topic 4
ITB765	Special Topic 5
ITB847	Computational Intelligence for Control and Embedded Systems
MAB281	Mathematics for Computer Graphics

Potential Careers:

Computer Systems Engineer, Electrical and Computer Engineer, Programmer, Software Engineer, Web Designer.

Bachelor of Engineering (Software Engineering) (IX25)

Year offered: 2008
Admissions: Yes
CRICOS code: 053707D
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full Fee Tuition $20,928; CSP $6,772
International Fees (per semester): 2008: $11,184 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 419502
Past rank cut-off: 76
Past OP cut-off: 12
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 Jasmine Banks
Campus: Gardens Point

Course 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.

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.

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: tel: +61 7 3138 1993, fax: +61 7 3138 1516, email: bee.enquiries@qut.edu.au
Faculty of Information Technology: tel: +61 7 3138 2782, fax +61 7 3138 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

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
ITB008	Modelling Analysis and Design

Year 3 - Semester 1

ENB350	Real-time Computer-based Systems
ENB354	Introduction To Systems Design
ITB702	Algorithms and Data Structures
ITB712	Software Engineering Studies

Year 3 - Semester 2

ENB352	Communication Environments For Embedded Systems
ENB355	Advanced Systems Design
ITB009	Core Project Management
	Elective

Year 4 - Semester 1

ITB720	Internet Protocols and Services
ITB730	Information Security Fundamentals
ITB749	Scientific Programming
ITB844-1	Project
	OR
BEB801	Project 1

Year 4 - Semester 2

BEB701	Work Integrated Learning 1
ITB844-2	Project
	OR
BEB802	Project 2
	Elective
	Elective

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: 2008
Admissions: Yes
CRICOS code: 061649J
Course duration (full-time): 5 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $20,928; CSP $7,955
International Fees (per semester): 2008: $11,184 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 419532
Past rank cut-off: 76
Past OP cut-off: 12
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); Ms Ros Kent (Accountancy); Ms Gayle Kerr (Advertising); Dr John Chen (Banking & Finance); Dr Radhika Lahiri (Economics); 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 - 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

MGB200 Leading Organisations

Year 4 Semester 1

MGB221 Performance and Reward
HRM Option Unit

Year 4 Semester 2

MGB320 Recruitment and Selection
MGB331 Learning and Development in Organisations
HRM Option Unit

Year 5 Semester 1

BSB126 Marketing

HRM Option Unit List:

MGB201 Contemporary Employment Relations
MGB210 Managing Operations
MGB212 Sustainability in a Changing Environment
MGB309 Strategic Management
MGB314 Organisational Consulting and Change
MGB315 Personal and Professional Development
MGB335 Project Management

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	Intercultural 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
MGB200	Leading Organisations

Year 3 Semester 1	
MGB210	Managing Operations
MGB223	Entrepreneurship and Innovation

Year 3 Semester 2	
MGB212	Sustainability in a Changing Environment

Year 4 Semester 1	
MGB309	Strategic Management
	Management Option Unit

Year 4 Semester 2	
MGB335	Project Management
BSB119	International and Electronic Business
	Management Option Unit

Year 5 Semester 1	
BSB110	Accounting

Management Option Unit List:	
	Students must choose 2 of the following units:
MGB218	Managing Business Growth
MGB201	Contemporary Employment Relations
MGB314	Organisational Consulting and Change
MGB315	Personal and Professional Development
IBB205	Intercultural Communication and Negotiation

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

Year 4, Semester 1

ENB372	Design and Planning of Highways
ENB375	Structural Engineering 2

Year 4, Semester 2

ENB371	Geotechnical Engineering 2

Year 5, Semester 1

BEB801	Project 1
ENB378	Water Engineering
ENB471	Design of Concrete Structures and Foundations

Year 5, Semester 2

BEB701	Work Integrated Learning 1
ENB275	Project Engineering 1
ENB376	Transport Engineering
ENB377	Water and Waste Water Treatment Engineering

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

Year 4, Semester 1	
ENB301	Instrumentation and Control
ENB342	Signals, Systems and Transforms

Year 4, Semester 2	
ENB345	Advanced Design and Professional Practice

Year 5, Semester 1	
BEB701	Work Integrated Learning 1
BEB801	Project 1
	Applications Minor

Year 5, Semester 2	
BEB802	Project 2
ENB344	Industrial Electronics
ENB346	Digital Communications
	Applications Minor

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

Year 4, Semester 1	
ENB301	Instrumentation and Control
ENB311	Stress Analysis

Year 4, Semester 2	
ENB215	Fundamentals of Mechanical Design

Year 5, Semester 1	
BEB801	Project 1
ENB316	Design of Machine Elements
ENB333	Operations Management

Year 5, Semester 2	
BEB701	Work Integrated Learning 1
BEB802	Project 2
ENB222	Thermodynamics 1
ENB334	Design For Manufacturing

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: 2008
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): 2008: $2,200 per unit *(subject to annual review)*
Domestic fees (indicative): 2008: $8,000
International Fees (per semester): 2008: $3,300 per unit *(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

Course Structure	
IFP100	Knowledge Transfer and Research Commercialisation (Core Unit)
IFP101	Leadership and Workplace Communication
IFP102	Project Management and Research
IFP103	Public Policy and Research
IFP104	Entrepreneurial Foundations
IFP105	Principles and Practice of Research Management
IFP106	Managing Research Careers

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.

Bachelor of Technology (Mechanical) Conversion Program (ME36)

Year offered: 2008
Admissions: No
CRICOS code: 020303G
Course duration (part-time): 3 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition: 2008 $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,375
International Fees (per semester): 2008: $10,608 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412543
Past rank cut-off: 93. Admission to course is based on special entry requirements in addition to a rank. Please refer to Special Entry Requirements.
Total credit points: 288 (including 144 cp advanced standing)
Course coordinator: Dr R.Mahalinga-Iyer
Discipline coordinator: Dr Vladis Kosse
Campus: Gardens Point

Special Entry Requirements

Applicants must have completed an Advanced Diploma in Mechanical Engineering (or equivalent qualification) or a Bachelor of Science in an appropriate discipline.

Career Outcomes

Graduates from this degree may work closely with professional engineers and be involved in using advanced computer skills for technical analysis and detailed design, or administration. This degree was developed in direct response to industry needs and there is a strong focus on the employability of graduates in the practical, hands-on approach to subjects. The BTech is an alternative route for those wishing to continue study to professional engineer level. Graduates may commence in a design office doing calculations and preparing technical drawings from which final designs/systems will be constructed. Other areas of employment include the manufacturing sector, concerned with the organisation and maintenance of manufacturing facilities and the quality assurance and control of products. Graduates may be responsible for commissioning and managing staff and/or overseeing the operations of significant engineering plants such as mining, sugar mills, dairy factories and food processing operations.

Overview

This course builds on the practical skills gained through the TAFE Advanced Diploma by providing students with higher level theoretical knowledge, supported by laboratory and practical sessions. Subjects include design, manufacturing, materials, mechanical engineering sciences, and management.

Professional Recognition

This course has been accredited by Engineers Australia. Graduates are eligible for affiliate membership, providing them with official recognition as an engineering technologist. The three-year degree is recognised by the Singapore Institute of Engineering Technologists.

Additional Information

Candidates with an Advanced Diploma in Mechanical Engineering (or equivalent) or a relevant tertiary qualification (eg. Bachelor of Science or CAE Diploma in Mechanical Engineering)will automatically receive credit of 144 credit points.

Part-time Study

Prospective part-time students for this degree should be aware that they may need 9 to 12 hours release from their employment.

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

Full-time course structure

Year 1 - Semester 1	
EEB781	Professional Studies 2
	OR
BSB115	Management, People and Organisations
ENB105	Electrical and Computer Engineering
ENB231	Materials and Manufacturing 1
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B

Year 1 - Semester 2	
ENB102	Engineering Mechanics 2
ENB201	Fluid Mechanics
ENB222	Thermodynamics 1
ENB317	Design and Maintenance of Machinery

Year 2 - Semester 1	
ENB316	Design of Machine Elements
ENB331	Materials and Manufacturing 2
MGB207	Human Resource Issues and Strategy
MMB302	Project 2T

Part-time course structure

Year 1 - Semester 1	
ENB231	Materials and Manufacturing 1
MAB132	Engineering Mathematics 2A
	OR

MAB182	Engineering Mathematics 2B

Year 1 - Semester 2	
ENB102	Engineering Mechanics 2
MMB376	Professional Practice (Engineering Management)
	OR
BSB115	Management, People and Organisations

Year 2 - Semester 1	
ENB105	Electrical and Computer Engineering
ENB331	Materials and Manufacturing 2

Year 2 - Semester 2	
ENB201	Fluid Mechanics
ENB222	Thermodynamics 1

Year 3 - Semester 1	
ENB316	Design of Machine Elements
MGB207	Human Resource Issues and Strategy

Year 3 - Semester 2	
ENB317	Design and Maintenance of Machinery
MMB302	Project 2T

Potential Careers:

Engineering Technologist, Mechanical Engineer.

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

Year offered: 2008
Admissions: No
Course duration (full-time): 3 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $7,254
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 2 - Semester 1 - TAFE/QUT	
EA790	Manufacturing Processes
NE160	Electrical Principles
ENB231	Materials and Manufacturing 1
MAB132	Engineering Mathematics 2A
	OR
MAB182	Engineering Mathematics 2B
	Elective

Year 2 - Semester 2 - TAFE/QUT	
EB771	Advanced Dynamics
EA060	Engineering Design Concepts
EB704	Mechanical Design
ENB102	Engineering Mechanics 2
ENB103	Electrical Engineering
MAB101	Statistical Data Analysis 1

Year 3 - Semester 1 - QUT	
ENB105	Electrical and Computer Engineering
ENB316	Design of Machine Elements
ENB331	Materials and Manufacturing 2
MMB300	Project 2T

Year 3 - Semester 2 - QUT	
ENB201	Fluid Mechanics
ENB222	Thermodynamics 1
ENB317	Design and Maintenance of Machinery
MMB376	Professional Practice (Engineering Management)
	OR
BSB115	Management, People and Organisations

Note	
	BSB, ENB, MAB, and MMB units = QUT units.

Potential Careers:

Mechanical Engineer, Technical Officer.

Bachelor of Engineering (Infomechatronics) (ME40)

Year offered: 2008
Admissions: No
CRICOS code: 037550J
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full Fee Tuition $20,928; CSP rate available July
International Fees (per semester): 2008: $11,184 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 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	
ENB242	Introduction To Telecommunications
ENB316	Design of Machine Elements
ENB344	Industrial Electronics

ENB350	Real-time Computer-based Systems
ITB006	Networks
ITB746	Modelling and Animation Techniques
	or any unit approved by the Course Coordinator
	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: 2008
Admissions: No
CRICOS code: 003490G
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full Fee Tuition $20,928; CSP $6,375
International Fees (per semester): 2008: $11,184 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 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 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 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	
	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	
ENB336	Industrial Engineering
MMB353	Tribology
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	
ENB333	Operations Management
MMB470	Engineering Asset Management and Maintenance
	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

Potential Careers:

Mechanical Engineer.

Bachelor of Engineering (Mechanical) Conversion Program from Bachelor of Technology ME36/ME37 (ME41)

Year offered: 2008
Admissions: No
CRICOS code: 003490G
Course duration (full-time): 1.5 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full Fee Tuition $20,928; CSP $6,375
International Fees (per semester): 2008: $11,184 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	
ENB316	Design of Machine Elements
MAB312	Linear Algebra
MMB311	Mechanics 3
	Elective
	See Electives under ME41-Bachelor of Engineering (Mechanical)

Year 1, Semester 2	
ENB317	Design and Maintenance of Machinery
ENB321	Fluids Dynamics
MAB101	Statistical Data Analysis 1
MMB351	Thermodynamics

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: 2008
Admissions: No
CRICOS code: 003490G
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full Fee Tuition $20,928; CSP $6,143
International Fees (per semester): 2008: $11,184 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

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 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	
PUB112	Workplace Health and Safety
	Any other elective approved by the Course Coordinator.

Elective List B

MMB411	Advanced Automatic Control
MMB412	Finite Element Analysis
MMB494	Rehabilitation Equipment Design and Evaluation
MMB496	Modelling and Simulation for Medical Engineers
	Any other elective approved by the Course Coordinator.

Potential Careers:

Bioengineer, Biomedical Engineer, Medical Engineer, Rehabilitation Engineer.

Graduate Certificate in Engineering Management (ME75)

Year offered: 2008
Admissions: No
CRICOS code: 018208C
Course duration (full-time): 1 semester
Course duration (part-time): 1 year
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960;
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 48
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Dr Achilles Leontakianakos (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, 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: 2008
Admissions: No
CRICOS code: 006368G
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960;
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Dr Achilles Leontakianakos (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, 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: 2008
Admissions: No
CRICOS code: 042261J
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960
International Fees (per semester): No new admissions *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Dr Achilles Leontakianakos (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

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: 2008
Admissions: Yes
CRICOS code: Holders of valid visas
International Fees (per semester): 2008: $2796 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: 2008
Admissions: Yes
CRICOS code: Holders of valid visas only
International Fees (per semester): 2008: $2796 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: 2008
Admissions: No
CRICOS code: 016354J
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $218 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $20,928; CSP $6,224
International Fees (per semester): 2008: $10,608 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 Robert Webb
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 4 - Semester 1	
PSB614	Urban and Rural Design Principles
PSB633	Map Production: Principles and Practice
PSB644	Advanced Geodesy
	Project 1 (or an approved elective)

Year 4 - Semester 2	
PSB615	Urban and Rural Design Practice
PSB621	Advanced Cadastral Surveying
PSB645	Surveying and Mapping Practice
	Project 2 (or an approved elective)
	Students in this course must complete 90 days industrial experience before graduating.

Recommended Surveying Electives

	Year 4 - Semester 1
PSB650	Project 1
PSB655	Remote Sensing
	Year 4 - Semester 2
PSB651	Project 2
UDB282	Remote Sensing

Potential Careers:

Mapping Scientist/Photogrammetrist, Surveyor.

Graduate Diploma in Landscape Architecture (PS66)

Year offered: 2008
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): 2008: CSP $7,235
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing BN31 Graduates only. NO NEW OFFERS WILL BE MADE AFTER FEBRUARY 2008.
International Entry: This course is open to continuing BN31 Graduates only. NO NEW OFFERS WILL BE MADE AFTER FEBRUARY 2008.
Total credit points: 192
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Dr Kathi Holt-Damant (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

SPECIAL NOTE

Any BN31 (L'scapeArch) graduate (from 1997-2007) can apply for the final offering (Sem 1 2008) of the Graduate Diploma in Landscape Architecture.

Full-Time Course Structure*

ofessional Level Studies

Year 2 - Semester 1

	(Entry for Bachelor of Built Environment - Landscape Architecture graduates)
PSP269	Advanced Construction and Practice 1
PSP271	Advanced Landscape Design 1
	Elective*
	*Student to consult course coordinator for appropriate unit choices.

Year 2 - Semester 2

PSP272	Advanced Construction and Practice 2
PSP273	Landscape Planning
PSP274	Advanced Landscape Design 2

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)

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
	Elective*
	*Student to consult course coordinator for appropriate unit choices.

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

Potential Careers:

Landscape Architect.

Master of Urban and Regional Planning (PS70)

Year offered: 2008
Admissions: No
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): 2008: CSP $7256
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 216
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Dr Tan Yigitcanlar (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: 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: 2008
Admissions: No
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): 2008: CSP $7031
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 228 (excluding any Masters qualifying units)
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Dr Kathi Holt-Damant (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Course Structure*

Professional Level Studies

Year 2 - Semester 1

	(Entry for Bachelor of Built Environment - Landscape Architecture graduates)
PSP269	Advanced Construction and Practice 1
PSP271	Advanced Landscape Design 1
	Elective*
	*Student to consult course coordinator for appropriate unit choices.

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)

*** 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

Elective*

*Student to consult course coordinator for appropriate unit choices.

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: 2008
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): 2008: CSP $7,252
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing BN31 Graduates only. NO NEW OFFERS WILL BE MADE AFTER FEBRUARY 2008.
International Entry: This course is open to continuing BN31 Graduates only. NO NEW OFFERS WILL BE MADE AFTER FEBRUARY 2008.
Total credit points: 168
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Dr Tan Yigitcanlar (Course Leader)
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.

SPECIAL NOTE

Any BN31 (Urb&RegPlan) graduate (from 1997-2007) can apply for the final offering (Sem 1 2008) of the Graduate Diploma in Urban and Regional Planning.

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: 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 Diploma in Geomatics (PS74)

Year offered: 2008
Admissions: No
CRICOS code: 036437G
Course duration (full-time): 2 semesters
Course duration (part-time): 4 semesters
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960
International Fees (per semester): No new admissions *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Dr Tan Yigitcanlar (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, 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: 2008
Admissions: No
CRICOS code: 037545F
Course duration (full-time): 1 semester
Course duration (part-time): 2 semesters
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960
International Fees (per semester): No new admissions *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 48
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Dr Kathi Holt-Damant (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, 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 Diploma in Geographic Information Systems (PS78)

Year offered: 2008
Admissions: No
CRICOS code: 040337K
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 96
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Dr Tan Yigitcanlar (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, 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 Planning Studies (PS82)

Year offered: 2008
Admissions: No
CRICOS code: 040336M
Course duration (full-time): 1 semester
Course duration (part-time): 2 semesters
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $12,960
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
International Entry: This course is open to continuing students only. NO NEW OFFERS WILL BE MADE AFTER 2007.
Total credit points: 48
Course coordinator: Associate Professor Jay Yang (Please refer all course enquiries to Course Leader.)
Discipline coordinator: Dr Tan Yigitcanlar (Course Leader)
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

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, 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.

Bachelor of Urban Development (Construction Management) (UD40)

Year offered: 2008
Admissions: Yes
CRICOS code: 056387B
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,728
International Fees (per semester): 2008: $10,608 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412312
Past rank cut-off: 74
Past OP cut-off: 13
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 2008, only the first 3 years will be available. Year 4 will be introduced in 2009. Course units may be subject to 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
UDB214 Professional Studies 2
UDB215 Building Services Engineering
Second Major/Minor unit

Year 3 - Semester 1
UDB310 Highrise Construction and Engineering
UDB311 Structural Engineering Design
UDB312 Contract Administration
Second Major/Minor unit

Year 3 - Semester 2
UDB202 Business Skills
UDB314 Statutory Construction Law
Second Major/Minor unit
Second Major/Minor unit

Year 4 - Semester 1
UDB301 Research Methods
UDB313 Programming and Scheduling
Second Major/Minor unit
Second Major/Minor unit

Year 4 - Semester 2
UDB302 Development Process
UDB410 Construction Management
Second Major/Minor unit
Second Major/Minor 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
Second Major/Minor 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
Second Major/Minor unit
Second Major/Minor unit

Year 4 - Semester 1
UDB101 Stewardship of Land
UDB301 Research Methods
UDB311 Structural Engineering Design
Second Major/Minor unit

Year 4 - Semester 2
UDB302 Development Process
UDB410 Construction Management
Second Major/Minor unit
Second Major/Minor unit

Year 5 - Semester 1
UDB312 Contract Administration
UDB313 Programming and Scheduling
Second Major/Minor unit
Second Major/Minor 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: 2008
Admissions: Yes
CRICOS code: 056387B
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,728
International Fees (per semester): 2008: $10,608 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412322
Past rank cut-off: 74
Past OP cut-off: 13
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: Ms Connie Susilawati
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2008, only the first 3 years will be available. Year 4 will be introduced in 2009. Course units may be subject to 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
	Second Major/Minor unit
	Second Major/Minor unit

Year 3 - Semester 2

UDB302	Development Process
UDB344	Property and Asset Management
	Second Major/Minor unit
	Second Major/Minor unit

Year 4 - Semester 1

UDB340	Agency Practice and Marketing
UDB342	Real Estate Accounting and Taxation
	Second Major/Minor unit
	Second Major/Minor unit

Year 4 - Semester 2

BEB701	Work Integrated Learning 1
UDB202	Business Skills
	Second Major/Minor unit
	Second Major/Minor unit

Potential Careers:

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

Bachelor of Urban Development (Quantity Surveying) (UD40)

Year offered: 2008
Admissions: Yes
CRICOS code: 056387B
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,728
International Fees (per semester): 2008: $10,608 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February and July
QTAC code: 412332
Past rank cut-off: 76
Past OP cut-off: 12
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 2008, only the first 3 years will be available. Year 4 will be introduced in 2009. Course units may be subject to 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
Second Major/Minor unit

Year 3 - Semester 1
UDB310 Highrise Construction and Engineering
UDB312 Contract Administration
UDB315 Measurement 3
Second Major/Minor unit

Year 3 - Semester 2
UDB314 Statutory Construction Law
UDB316 Cost Planning and Control
Second Major/Minor unit
Second Major/Minor unit

Year 4 - Semester 1
BEB701 Work Integrated Learning 1
UDB301 Research Methods
Second Major/Minor unit
Second Major/Minor unit

Year 4 - Semester 2
BEB801 Project 1
UDB302 Development Process
Second Major/Minor unit
Second Major/Minor 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
Second Major/Minor 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
Second Major/Minor unit
Second Major/Minor unit

Year 4 - Semester 1
BEB701 Work Integrated Learning 1
UDB213 Construction Estimating
UDB301 Research Methods
UDB315 Measurement 3

Year 4 - Semester 2
BEB801 Project 1
UDB302 Development Process
Second Major/Minor unit
Second Major/Minor unit

Year 5 - Semester 1
UDB312 Contract Administration
Second Major/Minor unit
Second Major/Minor unit
Second Major/Minor unit

Potential Careers:
Estimator, Manager, Quantity Surveyor.

Bachelor of Urban Development (Spatial Science) (UD40)

Year offered: 2008
Admissions: Yes
CRICOS code: 056387B
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,728
International Fees (per semester): 2008: $10,608 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412532
Past rank cut-off: 74
Past OP cut-off: 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 John Hayes
Discipline coordinator: Mr Robert Webb
Campus: Gardens Point

IMPORTANT: SPECIAL NOTE

In 2008, only the first 3 years will be available. Year 4 will be introduced in 2009. Course units may be subject to 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

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
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: 2008
Admissions: Yes
CRICOS code: 056387B
Course duration (full-time): 4 years
Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2008: $166 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: Full fee tuition $15,936; CSP $6,728
International Fees (per semester): 2008: $10,608 per semester *(subject to annual review)*
Domestic Entry: February
International Entry: February
QTAC code: 412352
Past rank cut-off: 74
Past OP cut-off: 13
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 2008, only the first 3 years will be available. Year 4 will be introduced in 2009. Course units may be subject to 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

This course has received accreditation from the Planning Institute of Australia.

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

School of Urban Development - Phone +61 7 3864 2852, Fax +61 7 3864 1515, email: bee.enquiries@qut.com

Domestic student tuition fee (Dfee) places

Undergraduate domestic full fee places (Dfee) are available in this course.

Find out more on Dfee.

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
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
	Second Major/Minor unit
	Second Major/Minor unit

Year 2 - Semester 2	
UDB102	Applied Law
UDB267	Development Assessment and Infrastructure
	Second Major/Minor unit
	Second Major/Minor unit

Year 3 - Semester 1

UDB368	Urban Design
UDB369	Negotiation and Conflict Resolution
	Second Major/Minor unit
	Second Major/Minor unit

Year 3 - Semester 2

UDB302	Development Process
UDB370	Environmental Planning and Management
	Second Major/Minor unit
	Second Major/Minor 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.

Master of Urban Development (Urban and Regional Planning) (UD50)

Year offered: 2008
Admissions: Yes
CRICOS code: 060809F
Course duration (full-time): 1 year
Course duration (part-time): 2 years
Domestic fees (per credit point): 2008: $135 per credit point *(subject to annual review)*
Domestic fees (indicative): 2008: $12,960
International Fees (per semester): 2008: $9,984 per semester *(subject to annual review)*
Domestic Entry: February and July
International Entry: February and July
Total credit points: 96
Standard credit points per full-time semester: 48
Course coordinator: Associate Professor Jay Yang (Please refer course specific enquiries to Course Leader.)
Discipline coordinator: Dr Tan Yigitcanlar (Course Leader)
Campus: Gardens Point

Overview

This course aims to enhance and advance the range of knowledge, skills and social understanding required to operate professionally within the urban development context. The course sets practice within the broader socioeconomic and political contexts that influence the development of policy and infrastructure in the built environment. The course is designed to offer graduates the full range of knowledge, skills and social understanding required to become a successful urban and regional planner. Early exit with a Graduate Diploma is available upon completion of four units in the course.

Entry Requirements

A four-year full-time bachelor degree in a relevant urban development discipline area and a grade point average of 5.0 or more (on a 7-point scale) in that study, or an equivalent qualification determined by the Faculty. English language requirements for the course are an English Language Proficiency level in accordance with QUT requirements (IELTS score of 6.0 with no sub-band below 6.0) if English is not your first language. Applicants from a non-relevant background may gain entry through successful completion of BN85, the Graduate Certificate in Built Environment and Engineering.

If requested, supply documentation of professional work experience as detailed in Completing the PG Form.

Professional Recognition

This course is seeking professional accreditation from the Planning Institute of Australia.

Career Outcomes

Graduates can expect to be in demand in local, state and commonwealth government departments, planning and development enterprises and consultancies, and in the voluntary sector, both in Australia and overseas. Opportunities include development planning and assessment, consultancy within the urban design field, regional planning, plan and policy preparation for land use, environment, housing, transport, recreation, education, community engagement and development, and corporate planning.

International Student Entry

International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Further Information

Faculty of Built Environment and Engineering - Phone +61 7 3138 1433, email: bee.enquiries@qut.com

Course structure - February Entry

Full-time Course Structure - Year 1, Semester 1	
BEN610	Project Management Principles
GSN235	Communication, Negotiation and Leadership
UDN510	Urban Planning Practice
UDN512	Community Planning

Year 1, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
BEN910	Integrated Project
UDN514	Regional Planning Practice
UDN516	Master Concepts and Ethics Seminar

Part-time Course Structure - Year 1, Semester 1	
BEN610	Project Management Principles
UDN510	Urban Planning Practice

Year 1, Semester 2	
UDN514	Regional Planning Practice
UDN516	Master Concepts and Ethics Seminar

Year 2, Semester 1	
GSN235	Communication, Negotiation and Leadership
UDN512	Community Planning

Year 2, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
BEN910	Integrated Project

Course structure - Mid Year Entry

Full-time Course Structure - Year 1, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
GSN235	Communication, Negotiation and Leadership
UDN514	Regional Planning Practice
UDN516	Master Concepts and Ethics Seminar

Year 2, Semester 1	
BEN610	Project Management Principles
BEN910	Integrated Project
UDN510	Urban Planning Practice
UDN512	Community Planning

Part-time Course Structure - Year 1, Semester 2	
UDN514	Regional Planning Practice
UDN516	Master Concepts and Ethics Seminar

Year 2, Semester 1	
BEN610	Project Management Principles
UDN510	Urban Planning Practice

Year 2, Semester 2	
BEN710	Sustainable Practice in Built Environment and Engineering
GSN235	Communication, Negotiation and Leadership

Year 3, Semester 1	
BEN910	Integrated Project
UDN512	Community Planning