

Faculty of Information Technology

Entry Programs (International)

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

Diploma

- IT10 University Diploma in Information Technology

Bachelor Degree

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

Bachelor Degree (Double)

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

Honours

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

Graduate Certificate

- IT73 Graduate Certificate in Information Management (Library Studies)
- IT74 Graduate Certificate in Information Management (Information and Knowledge Management)
- IT75 Graduate Certificate in Information Management (Records Management)
- IT76 Graduate Certificate in Information Management (Web Management)

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

Graduate Diploma

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

Masters Degree (Coursework)

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

Masters Degree (Research)

IT60 Master of Information Technology (Research)

Doctoral

IF49 Doctor of Philosophy (Information Technology)

Study Abroad (Non-degree)

NA05 International Visiting Students
NA06 International Visiting Students
UO80 University Study Abroad Certificate
UO90 University Study Abroad Diploma

University wide unit sets

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

OVERVIEW

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

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

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

The Faculty comprises two schools:

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

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

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

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

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

SENIOR STAFF

Faculty Office

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

Assistant Dean (Research): K Raymond, BSc BScHons PhD *Qld* PGradDipPFP *USQ*

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

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

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

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

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

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

Administration Manager: P. Smith, BBus(Com) Grad-CertEd(HigherEd) *QUT*

School of Information Systems

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

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

Professors:

P. Bruza, BSc *Qld*, MSc *KUN*, PhD *KUN*

G.G. Gable, DipCompSys *NAIT*, BCom *Alta*, MBA *W Ontario*, PhD *Brad*, ACS, AIR, IRMA

B. Pham, BSc(Hons) PhD *Tas*, DipEd *Monash*, ACM, IEEE, ACSA, APRS

M. Rosemann, MBA PhD *Univ of Münster Germany*

A. Spink, BA *ANU*, DipLib *UNSW*, MBA *Fordham Univ NY*, PhD *Rutgers Univ New Jersey*

Associate Professors:

C. Bruce, BA *Qld*, GradDipLibSc MEd(Res) *QUT*, PhD *UNE*

G. Stewart, BA DipEd MLitSt (CompSci) *Qld*, PhD *QUT*, FACS, PCP, AIMM, MIEEEE, MACM

A. ter Hofstede, MSc PhD *KUN*

School of Software Engineering and Data Communications

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

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

Professors:

C. Boyd, BSc, PhD *Warwick*, CMath

E. Dawson, BSc DipEd *Wash*, MA *Syd*, MLitStu MSc *Qld*, PhD *QUT*, FTICA, MIEEEE, MCMSA, MIACR, MACS

C. Fidge, BAppSc *RMIT*, MAppSc *RMI*, PhD *ANU*

K. Raymond, BSc BSc(Hons) PhD *Qld*

Adjunct Professors:

D. Longley, BSc(Physics)(Hons) *Manc*, MSc(Tech) *UMIST*, PhD *Leic*, CEng, FIEE, FAIM

G. Mohay, BSc(Hons) *W Aust*, PhD *Monash*

Associate Professors:

A. Josang, BSc Telematics *NTH*, MSc Security *Univ of London*, PhD *NTNU*

P. Roe, MEng(Hons) *York*, PhD *Glas*, MACM

J. Sitte, PhD *Uppsala*, SIEEE

RESEARCH CENTRE

Information Security Institute (ISI)

QUT's Information Security Institute (ISI) is a multi-disciplinary institute that builds real solutions for government, business and the community by undertaking research in technology, legal, policy and governance issues related to information security.

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

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

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

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

Deputy Directors:

Professor Colin Boyd, Faculty of Information Technology
Associate Professor Peter Best, Faculty of Business
Professor Sharon Christensen, Faculty of Law
Professor Sridha Sridharan, Faculty of Built Environment & Engineering

Bachelor of Applied Science/Bachelor of Information Technology (FOR CONTINUING STUDENTS ONLY) (IF29)

Year offered: 2007

Admissions: No

CRICOS code: 020327M

Course duration (full-time): 4 Years

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

Domestic fees (indicative): 2007: \$20,160

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

Domestic Entry: February

International Entry: February

QTAC code: 419302; Dfee: 419306

Past rank cut-off: 72. Dfee places were not offered last year.

Past OP cut-off: 13. Dfee places were not offered last year.

OP Guarantee: Yes

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

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

Total credit points: 408 (Note: The minimum course load per semester required for full-time enrolment may be more than 36 credit points)

Standard credit points per full-time semester: 48

Course coordinator: Dr Megan Hargreaves (Science); Ruth Christie(InfTech)

Campus: Gardens Point

Career Opportunities

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

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

Recommended study

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

Course Design

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

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

Professional Recognition

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

Cooperative Education Program

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

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

Contact Details

Science Coordinator

Dr Megan Hargreaves

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Information Technology Coordinator

Dr Alan Tickle

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Deferment

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

Find out more on deferment.

Course structure - Major in Biochemistry

Year 1, Semester 1

ITB001	Problem Solving and Programming
ITB004	Database Systems
LSB118	Life Science
PCB101	Physical Science

Year 1, Semester 2

ITB002	IT Professional Studies
ITB003	Object Oriented Programming

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ITB005 Systems Architecture
 LSB238 Cell and Molecular Biology 1
 NRB270 Animal and Plant Structure and Function

ITB004 Database Systems
 LSB118 Life Science
 PCB101 Physical Science

Year 2, Semester 1

ITB006 Networks
 ITB008 Modelling Analysis and Design
 ITB711 Programming Abstraction
 MAB101 Statistical Data Analysis 1
 Either
 PCB140 Introductory Chemistry
 Or
 PCB142 Chemistry 1

Year 1, Semester 2

ITB002 IT Professional Studies
 ITB003 Object Oriented Programming
 ITB005 Systems Architecture
 LSB238 Cell and Molecular Biology 1
 NRB270 Animal and Plant Structure and Function

Year 2, Semester 2

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

Year 2, Semester 1

ITB006 Networks
 ITB008 Modelling Analysis and Design
 ITB711 Programming Abstraction
 MAB101 Statistical Data Analysis 1
 Either
 PCB140 Introductory Chemistry
 Or
 PCB142 Chemistry 1

Year 3, Semester 1

LSB308 Biochemistry
 LSB338 Cell and Molecular Biology 2
 IT Elective Unit selected from list
 IT Elective Unit selected from list

Year 2, Semester 2

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

Year 3, Semester 2

LSB408 Metabolism
 LSB468 Molecular Biology
 ITB720 Internet Protocols and Services
 IT Elective Unit selected from list

Year 3, Semester 1

LSB308 Biochemistry
 LSB338 Cell and Molecular Biology 2
 ITB745 Operating Systems
 IT Elective Unit selected from list

Year 4, Semester 1

LSB508 Advanced Metabolism
 LSB527 Biomedical Research Technologies
 ITB009 Core Project Initiation
 IT Elective Unit selected from list

Year 3, Semester 2

LSB468 Molecular Biology
 LSB469 Introduction to Genomics and Bioinformatics
 ITB720 Internet Protocols and Services
 IT Elective Unit selected from list

Year 4, Semester 2

LSB607 Protein Purification
 LSB608 Protein Science
 IT Elective Unit selected from list
 IT Elective Unit selected from list

Year 4, Semester 1

LSB537 Genetic Engineering
 LSB509 Medical Biotechnology 1
 ITB009 Core Project Initiation
 IT Elective Unit selected from list

Course Structure - Major in Biotechnology (Medical Strand)

Year 1, Semester 1

ITB001 Problem Solving and Programming

Year 4, Semester 2

LSB609 Medical Biotechnology 2
 LSB619 Genomics and Bioinformatics
 IT Elective Unit selected from list

INFORMATION TECHNOLOGY

IT Elective Unit selected from list

Course structure - Major in Chemistry

Year 1, Semester 1

ITB001	Problem Solving and Programming
ITB004	Database Systems
MAB100	Mathematical Sciences 1A
PCB101	Physical Science

Year 1, Semester 2

ITB002	IT Professional Studies
ITB003	Object Oriented Programming
ITB005	Systems Architecture
LSB118	Life Science
MAB101	Statistical Data Analysis 1

Year 2, Semester 1

NRB100	Environmental Science
PCB142	Chemistry 1
ITB006	Networks
ITB008	Modelling Analysis and Design
ITB711	Programming Abstraction

Year 2, Semester 2

PCB150	Physics 1H
PCB242	Chemistry 2
ITB712	Software Engineering Studies
ITB744	Computer Architecture
	OR
	IT Elective Unit selected from list

Year 3, Semester 1

PCB334	Inorganic Chemistry
PCB354	Structure and Mechanism in Organic Chemistry
ITB745	Operating Systems
	IT Elective Unit selected from list

Year 3, Semester 2

PCB405	Principles of Physical Chemistry
PCB444	Spectroscopy
ITB720	Internet Protocols and Services
	IT Elective Unit selected from list

Year 4, Semester 1

PCB505	Advanced Physical Chemistry
PCB554	Synthesis and Reactivity in Organic Chemistry
ITB009	Core Project Initiation
	IT Elective Unit selected from list

Year 4, Semester 2

PCB634	Organometallic and Coordination Chemistry
PCB644	Frontiers in Chemistry
	IT Elective Unit selected from list
	IT Elective Unit selected from list

Course Structure - Major in Ecology

Year 1, Semester 1

ITB001	Problem Solving and Programming
ITB004	Database Systems
NRB100	Environmental Science
PCB101	Physical Science

Year 1, Semester 2

ITB002	IT Professional Studies
ITB003	Object Oriented Programming
ITB005	Systems Architecture
LSB118	Life Science
NRB240	History of Life on Earth

Year 2, Semester 1

ITB006	Networks
ITB008	Modelling Analysis and Design
ITB711	Programming Abstraction
MAB101	Statistical Data Analysis 1
	Either
PCB140	Introductory Chemistry
	Or
PCB142	Chemistry 1

Year 2, Semester 2

LSB238	Cell and Molecular Biology 1
NRB270	Animal and Plant Structure and Function
ITB712	Software Engineering Studies
ITB744	Computer Architecture
	OR
	IT Elective Unit selected from List

Year 3, Semester 1

NRB301	Earth Surface Systems
NRB311	Population Ecology
ITB745	Operating Systems
	IT Elective Unit selected from List

Year 3, Semester 2

NRB410	Genetics and Evolution
NRB412	Experimental Design
	IT Elective Unit selected from List
ITB720	Internet Protocols and Services

Year 4, Semester 1

INFORMATION TECHNOLOGY

NRB510 Population Genetics
 NRB511 Population Management
 ITB009 Core Project Initiation
 IT Elective Unit selected from List

Year 4, Semester 2

NRB610 Ecological Applications
 NRB611 Conservation Biology
 IT Elective Unit selected from List
 IT Elective Unit selected from List

Course structure - Major in Environmental Science

Year 1, Semester 1

ITB001 Problem Solving and Programming
 ITB004 Database Systems
 NRB100 Environmental Science
 PCB101 Physical Science

Year 1, Semester 2

ITB002 IT Professional Studies
 ITB003 Object Oriented Programming
 ITB005 Systems Architecture
 LSB118 Life Science
 NRB240 History of Life on Earth

Year 2, Semester 1

ITB006 Networks
 ITB008 Modelling Analysis and Design
 ITB711 Programming Abstraction
 MAB101 Statistical Data Analysis 1
 Either
 PCB140 Introductory Chemistry
 Or
 PCB142 Chemistry 1

Year 2, Semester 2

NRB270 Animal and Plant Structure and Function
 Either
 PCB414 Industrial and Environmental Analytical Chemistry
 Or
 SCB222 Exploration of the Universe
 ITB712 Software Engineering Studies
 ITB744 Computer Architecture
 Or
 IT Elective Unit selected from List

Year 3, Semester 1

ITB745 Operating Systems
 NRB301 Earth Surface Systems

NRB311 Population Ecology
 IT Elective Unit selected from List

Year 3, Semester 2

NRB412 Experimental Design
 NRB440 Environmental Chemistry
 ITB720 Internet Protocols and Services
 IT Elective Unit selected from List

Year 4, Semester 1

NRB500 Environmental Systems and Modelling
 NRB601 Field Mapping and Monitoring of Natural Resources
 ITB009 Core Project Initiation
 IT Elective Unit selected from List

Year 4, Semester 2

NRB501 Spatial Analysis of Environmental Systems
 NRB600 Sustainable Environmental Management
 IT Elective Unit selected from List
 IT Elective Unit selected from List

Course structure - Major in Forensic Science

Year 1, Semester 1

ITB001 Problem Solving and Programming
 ITB004 Database Systems
 LSB118 Life Science
 PCB101 Physical Science

Year 1, Semester 2

ITB002 IT Professional Studies
 ITB003 Object Oriented Programming
 ITB005 Systems Architecture
 MAB101 Statistical Data Analysis 1
 PCB140 Introductory Chemistry
 Or
 PCB142 Chemistry 1

Year 2, Semester 1

ITB006 Networks
 ITB008 Modelling Analysis and Design
 ITB711 Programming Abstraction
 MAB100 Mathematical Sciences 1A
 PCB242 Chemistry 2

Year 2, Semester 2

LSB238 Cell and Molecular Biology 1
 NRB270 Animal and Plant Structure and Function
 ITB712 Software Engineering Studies
 ITB744 Computer Architecture
 OR

IT Elective Unit selected from List

Year 3, Semester 1

- LSB468 Molecular Biology
- SCB384 Forensic Science
- ITB745 Operating Systems

IT Elective Unit selected from List

Year 3, Semester 2

- JSB979 Forensic Scientific Evidence
 - PCB414 Industrial and Environmental Analytical Chemistry
 - ITB720 Internet Protocols and Services
- IT Elective Unit selected from List

Year 4, Semester 1

- PCB514 Instrumental Analysis
 - PCB584 Forensic Examination of Physical Evidence
 - ITB009 Core Project Initiation
- IT Elective Unit selected from List

Year 4, Semester 2

- LSB684 Forensic DNA Profiling
 - PCB684 Forensic Analysis and Toxicology
- IT Elective Unit selected from List
- IT Elective Unit selected from List

Course structure - Major in Geoscience

Year 1, Semester 1

- ITB001 Problem Solving and Programming
- ITB004 Database Systems
- MAB100 Mathematical Sciences 1A
- NRB230 Planet Earth

Year 1, Semester 2

- ITB002 IT Professional Studies
- ITB003 Object Oriented Programming
- ITB005 Systems Architecture
- MAB101 Statistical Data Analysis 1
- PCB101 Physical Science

Year 2, Semester 1

- NRB100 Environmental Science
- Either
- PCB140 Introductory Chemistry
- Or
- PCB142 Chemistry 1
 - ITB006 Networks
 - ITB008 Modelling Analysis and Design
 - ITB711 Programming Abstraction

Year 2, Semester 2

- NRB240 History of Life on Earth
 - NRB440 Environmental Chemistry
 - ITB712 Software Engineering Studies
 - ITB744 Computer Architecture
- OR
- IT Elective Unit selected from List

Year 3, Semester 1

- NRB331 Sedimentary Geology
 - NRB333 Mineralogy
 - ITB745 Operating Systems
- IT Elective Unit selected from List

Year 3, Semester 2

- NRB434 Structural Geology
 - NRB436 Introduction to Igneous and Metamorphic Petrology
 - ITB720 Internet Protocols and Services
- IT Elective Unit selected from list

Year 4, Semester 1

- ITB009 Core Project Initiation
- IT Elective Unit selected from list
- NRB534 Geophysics
 - NRB536 Petrology and Geochemistry
 - NRB601 Field Mapping and Monitoring of Natural Resources

Year 4, Semester 2

- IT Elective Unit selected from list
- IT Elective Unit selected from list
- One unit selected from:
- NRB633 Hydrogeology
 - NRB635 Plate Tectonics and Advanced Structural Geology

Course structure - Major in Microbiology

Year 1, Semester 1

- ITB001 Problem Solving and Programming
- ITB004 Database Systems
- LSB118 Life Science
- PCB101 Physical Science

Year 1, Semester 2

- ITB002 IT Professional Studies
- ITB003 Object Oriented Programming
- ITB005 Systems Architecture
- LSB238 Cell and Molecular Biology 1
- NRB270 Animal and Plant Structure and Function

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Year 2, Semester 1

MAB101	Statistical Data Analysis 1 Either
PCB140	Introductory Chemistry Or
PCB142	Chemistry 1
ITB006	Networks
ITB008	Modelling Analysis and Design
ITB711	Programming Abstraction

Year 2, Semester 2

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

Year 3, Semester 1

LSB308	Biochemistry
LSB328	Microbiology 1
ITB745	Operating Systems IT Elective Unit selected from List

Year 3, Semester 2

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

Year 4, Semester 1

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

Year 4, Semester 2

	IT Elective Unit selected from List IT Elective Unit selected from List Two units from:
LSB628	Food Microbiology
LSB647	Clinical Mycology and Parasitology
LSB648	Molecular Microbiology

Course structure - Major in Physics

Year 1, Semester 1

ITB001	Problem Solving and Programming
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ITB004	Database Systems
MAB111	Mathematical Sciences 1B
PCB101	Physical Science

Year 1, Semester 2

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

Year 2, Semester 1

MAB311	Advanced Calculus
PCB107	Physics and Quantitative Techniques
ITB006	Networks
ITB008	Modelling Analysis and Design
ITB711	Programming Abstraction

Year 2, Semester 2

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

Year 3, Semester 1

PCB361	AC Theory and Electronics
PCB362	Physics 2
ITB745	Operating Systems IT Elective Unit selected from List

Year 3, Semester 2

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

Year 4, Semester 1

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

Year 4, Semester 2

PCB661	Experimental Physics
PCB665	Physics 3 IT Elective Unit selected from List IT Elective Unit selected from List

IT Elective Unit List

INFORMATION TECHNOLOGY

Information Technology Elective Unit List

ITB007	Web Development
ITB009	Core Project Initiation
ITB010	Core Project Implementation
ITB218	Applications Programming
ITB222	Systems Analysis and Design
ITB223	Software Development with ORACLE
ITB228	Enterprise Systems
ITB229	Database Design
ITB230	Project
ITB232	Database Management
ITB233	Enterprise Systems Applications
ITB237	Advanced Databases
ITB239	Enterprise Data Mining
ITB241	Information Technology Management
ITB254	Interaction Design
ITB245	R/3 System Administration
ITB257	Multimedia Systems
ITB259	Advanced Multimedia Systems
ITB260	E-Commerce Site Development
ITB264	Information Systems Consulting
ITB266	Information Management
ITB267	Business Analytics
ITB272	Information Technology Project Management
ITB294	Information Quality
ITB295	XML: Data and Document Processing
ITB298	Business Process Engineering
ITB322	Information Resources
ITB710	Fundamentals of Computer Science
ITB711	Programming Abstraction
ITB712	Software Engineering Studies
ITB713	Advanced Java Programming
ITB715	Web Services
ITB716	Advanced Web Applications Development
ITB717	Enterprise Software Architecture
ITB720	Internet Protocols and Services
ITB721	Unix Network Administration
ITB722	Network Planning and Deployment
ITB723	Wireless and Mobile Devices
ITB730	Information Security Fundamentals
ITB731	Security Technologies
ITB732	Cryptology and Protocols
ITB733	Network Security
ITB740	Agent Based Software Engineering
ITB741	Information Retrieval Technology
ITB742	Computational Intelligence
ITB743	Artificial Intelligence

ITB744	Computer Architecture
ITB745	Operating Systems
ITB746	Modelling and Animation Techniques
ITB747	Real Time Rendering Techniques
ITB748	Configurable Computing
ITB749	Scientific Programming
ITB750	Computer Game Studies
ITB751	Games Production
ITS702	Ccna 3 & 4: Switching and Wide Area Networking
ITS703	Ccnp 1: Advanced Routing
ITS704	Ccnp 2: Remote Access Networks
ITS705	Ccnp 3: Multilayer Switching
ITS706	Ccnp 4: Network Troubleshooting
ITS707-1	Securing Cisco Hardware
ITS707-2	Securing Cisco Hardware
MAB281	Mathematics for Computer Graphics

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

Potential Careers:

Analytical Chemist, Astrophysicist, Biochemist, Biologist, Biotechnologist, Chemist, Chemist Industrial, Coastal Scientist, Conservation Biologist, Data Communications Specialist, Economist, Environmental Scientist, Forensic Scientist, Geologist, Geophysicist, Geoscientist, Health Physicist, Hydrogeologist, Immunologist, Industrial Chemist, Laboratory Technician (Chemistry), Marine Scientist, Medical Biotechnologist, Medical Physicist, Microbiologist, Molecular Biologist, Natural Resource Scientist, Network Administrator, Network Manager, Physicist, Plant Biotechnologist, Population Ecologist, Software Engineer, Systems Analyst, Virologist.

Bachelor of Information Technology/Bachelor of Laws (IF38)

Year offered: 2007

Admissions: Yes

CRICOS code: 006385G

Course duration (full-time): 5 Years

Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: \$160 per credit point (*subject to annual review*)

Domestic fees (indicative): 2007: Full fee tuition \$15,360; CSP \$7,157

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

Domestic Entry: February

International Entry: February

QTAC code: 419622; Dfee: 419626

Past rank cut-off: 90; Dfee: 85

Past OP cut-off: 6; Dfee: 8

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

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

Total credit points: 528

Course coordinator: IT: Ruth Christie; Law, Director, Undergraduate Programs

Campus: Gardens Point

OP Guarantee

The OP Guarantee does not apply to this program.

Overview

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

Cooperative Education Program

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

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

Career Outcomes

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

Professional Recognition

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

Further Information

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

Deferment

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

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

Find out more on deferment.

IF38 - B InfoTech/B Laws

Year 1, Semester 1

ITB001	Problem Solving and Programming
ITB002	IT Professional Studies
ITB004	Database Systems
ITB005	Systems Architecture

Year 1, Semester 2

ITB003	Object Oriented Programming
ITB006	Networks
ITB008	Modelling Analysis and Design
	IT Elective Unit selected from List

Year 2, Semester 1

ITB218	Applications Programming
ITB222	Systems Analysis and Design
ITB229	Database Design
LWB141	Legal Institutions and Method
LWB142	Law, Society and Justice

Year 2, Semester 2

ITB007	Web Development
ITB228	Enterprise Systems
LWB143	Legal Research and Writing

INFORMATION TECHNOLOGY

LWB144	Laws and Global Perspectives	ITB232	Database Management
Year 3, Semester 1		ITB233	Enterprise Systems Applications
ITB009	Core Project Initiation	ITB237	Advanced Databases
	IT Elective Unit selected from List	ITB239	Enterprise Data Mining
LWB136	Contracts A	ITB241	Information Technology Management
LWB138	Fundamentals of Torts	ITB254	Interaction Design
LWB238	Fundamentals of Criminal Law	ITB245	R/3 System Administration
Year 3, Semester 2		ITB257	Multimedia Systems
ITB232	Database Management	ITB259	Advanced Multimedia Systems
LWB137	Contracts B	ITB260	E-Commerce Site Development
LWB139	Select Issues in Torts	ITB264	Information Systems Consulting
LWB239	Criminal Responsibility	ITB266	Information Management
Year 4, Semester 1		ITB267	Business Analytics
LWB231	Introduction to Public Law	ITB272	Information Technology Project Management
LWB236	Real Property A	ITB294	Information Quality
LWB240	Principles of Equity	ITB295	XML: Data and Document Processing
LWB333	Theories of Law	ITB298	Business Process Engineering
Year 4, Semester 2		ITB322	Information Resources
LWB235	Australian Federal Constitutional Law	ITB710	Fundamentals of Computer Science
LWB237	Real Property B	ITB711	Programming Abstraction
LWB241	Trusts	ITB712	Software Engineering Studies
LWB334	Corporate Law	ITB713	Advanced Java Programming
Year 5, Semester 1		ITB715	Web Services
LWB332	Commercial and Personal Property Law	ITB716	Advanced Web Applications Development
LWB431	Civil Procedure	ITB717	Enterprise Software Architecture
LWB432	Evidence	ITB720	Internet Protocols and Services
LWB434	Advanced Research and Legal Reasoning	ITB721	Unix Network Administration
	Electives	ITB722	Network Planning and Deployment
Year 5, Semester 2		ITB723	Wireless and Mobile Devices
LWB331	Administrative Law	ITB730	Information Security Fundamentals
LWB433	Professional Responsibility	ITB731	Security Technologies
	Electives	ITB732	Cryptology and Protocols
IT Elective Unit List		ITB733	Network Security
Information Technology Elective Unit List		ITB740	Agent Based Software Engineering
ITB007	Web Development	ITB741	Information Retrieval Technology
ITB009	Core Project Initiation	ITB742	Computational Intelligence
ITB010	Core Project Implementation	ITB743	Artificial Intelligence
ITB218	Applications Programming	ITB744	Computer Architecture
ITB222	Systems Analysis and Design	ITB745	Operating Systems
ITB223	Software Development with ORACLE	ITB746	Modelling and Animation Techniques
ITB228	Enterprise Systems	ITB747	Real Time Rendering Techniques
ITB229	Database Design	ITB748	Configurable Computing
ITB230	Project	ITB749	Scientific Programming
		ITB750	Computer Game Studies
		ITB751	Games Production
		ITS702	Ccna 3 & 4: Switching and Wide Area Networking
		ITS703	Ccnp 1: Advanced Routing

ITS704	Ccnp 2: Remote Access Networks
ITS705	Ccnp 3: Multilayer Switching
ITS706	Ccnp 4: Network Troubleshooting
ITS707-1	Securing Cisco Hardware
ITS707-2	Securing Cisco Hardware
MAB281	Mathematics for Computer Graphics

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

Potential Careers:

Barrister, Business Analyst, Crown Law Officer, Database Manager, Electronic Commerce Developer, In-House Lawyer, Programmer, Public Servant, Solicitor, Systems Analyst, Systems Manager, Systems Programmer, Web Designer.

Doctor of Philosophy (Information Technology) (IF49)

Year offered: 2007

Admissions: Yes

CRICOS code: 006378F

Course duration (full-time): 3 years

Course duration (part-time): 6 years

Domestic fees (per credit point): RTS/RTA; 2007 \$130 per credit point (exceeded max. entitlement) (*subject to annual review*)

Domestic fees (indicative): 2007: \$12,480 (exceeded max. entitlements)

International Fees (per semester): 2007: \$10,000 per semester (*subject to annual review*)

International Entry: At any time

Campus: Gardens Point

Overview

The Doctor of Philosophy degree is awarded in recognition of a candidate's erudition in a broad field of learning and for notable accomplishment in that field through an original and substantial contribution to knowledge. The candidate's research must reveal high critical ability and powers of imagination and synthesis and may be in the form of new knowledge or of significant and original adaptation, application and interpretation of existing knowledge.

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

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

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

Entry requirements

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

Research Area

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

Course Structure

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

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

Further information

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

Potential Careers:

Computer Games Developer, Computer Systems Engineer, Data Communications Specialist, Database Manager, Electronic Commerce Developer, Librarian, Network Administrator, Network Manager, Programmer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer.

Bachelor of Mathematics/Bachelor of Information Technology (FOR CONTINUING STUDENTS ONLY) (IF58)

Year offered: 2007

Admissions: No

CRICOS code: 020327M

Course duration (full-time): 4 Years

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

Domestic fees (indicative): 2007: \$20,160

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

Domestic Entry: February

International Entry: February

QTAC code: 419552; Dfee: 419556

Past rank cut-off: 75. Dfee places were not offered last year.

Past OP cut-off: 12. Dfee places were not offered last year.

OP Guarantee: Yes

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

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

Total credit points: 420 (Note: The minimum course load per semester required for full-time enrolment may be more than 36 credit points)

Course coordinator: Professor Helen MacGillivray (Science)

Discipline coordinator: Dr Gary Carter (Mathematics), Ruth Christie (Information Technology)

Campus: Gardens Point

Career Opportunities

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

Course Structure

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

Professional Recognition

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

Cooperative Education Program

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

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

Mathematics Scholarships

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

Contact Details

Science Coordinator

Professor Helen MacGillivray

Phone: +61 7 3138 2337

Email: h.macgillivray@qut.edu.au

Associate Course Coordinators

Mathematics

Dr Gary Carter

Phone: +61 7 3138 5090

Email: g.carter@qut.edu.au

Information Technology

Dr Alan Tickle

Phone: +61 7 3138 2782

Email: if58enquiry.fit@qut.edu.au

Deferment

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

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

Find out more on deferment.

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

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

Year 1, Semester 1

INFORMATION TECHNOLOGY

ITB001	Problem Solving and Programming
ITB004	Database Systems
MAB111	Mathematical Sciences 1B
MAB112	Mathematical Sciences 1C

Level 2 or 3 Maths unit
Level 2 or 3 Maths unit

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

Year 1, Semester 2

ITB002	IT Professional Studies
ITB003	Object Oriented Programming
ITB005	Systems Architecture
MAB210	Statistical Modelling 1
MAB220	Computational Mathematics 1

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

Year 1, Semester 1

ITB001	Problem Solving and Programming
ITB004	Database Systems
MAB100	Mathematical Sciences 1A
MAB101	Statistical Data Analysis 1

Year 2, Semester 1

ITB006	Networks
ITB008	Modelling Analysis and Design
ITB711	Programming Abstraction
MAB101	Statistical Data Analysis 1
MAB312	Linear Algebra

Year 1, Semester 2

ITB002	IT Professional Studies
ITB003	Object Oriented Programming
ITB005	Systems Architecture
MAB111	Mathematical Sciences 1B
MAB112	Mathematical Sciences 1C

Year 2, Semester 2

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

Year 2, Semester 1

ITB006	Networks
ITB008	Modelling Analysis and Design
ITB711	Programming Abstraction
MAB220	Computational Mathematics 1
MAB312	Linear Algebra

Year 3, Semester 1

MAB311	Advanced Calculus
	Level 2 or 3 Maths unit
ITB745	Operating Systems
	IT Elective Unit selected from list

Year 2, Semester 2

ITB712	Software Engineering Studies
ITB744	Computer Architecture
	OR
	IT Elective Unit selected from list
MAB210	Statistical Modelling 1
	Level 2 or 3 Maths unit

Year 3, Semester 2

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

Year 3, Semester 1

ITB745	Operating Systems
	IT Elective Unit selected from list
MAB311	Advanced Calculus
	Level 2 or 3 Maths unit

Year 4, Semester 1

ITB009	Core Project Initiation
	IT Elective Unit selected from list
	Level 2 or 3 Maths unit
	Level 2 or 3 Maths unit

Year 3, Semester 2

ITB720	Internet Protocols and Services
	IT Elective Unit selected from list
	Level 2 or 3 Maths unit
	Level 2 or 3 Maths unit
	Level 2 or 3 Maths unit

Year 4, Semester 2

IT Elective Unit selected from list
IT Elective Unit selected from list

Year 4, Semester 1

INFORMATION TECHNOLOGY

ITB009 Core Project Initiation
IT Elective Unit selected from list
Level 2 or 3 Maths unit
Level 2 or 3 Maths unit

NOTE: 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.

Year 4, Semester 2

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

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

IT Elective Unit List

Mathematics Units

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

Level 2 Units

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

Level 3 Units

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

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

Information Technology Elective Unit List

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

ITB730	Information Security Fundamentals
ITB731	Security Technologies
ITB732	Cryptology and Protocols
ITB733	Network Security
ITB740	Agent Based Software Engineering
ITB741	Information Retrieval Technology
ITB742	Computational Intelligence
ITB743	Artificial Intelligence
ITB744	Computer Architecture
ITB745	Operating Systems
ITB746	Modelling and Animation Techniques
ITB747	Real Time Rendering Techniques
ITB748	Configurable Computing
ITB749	Scientific Programming
ITB750	Computer Game Studies
ITB751	Games Production
ITS702	Ccna 3 & 4: Switching and Wide Area Networking
ITS703	Ccnp 1: Advanced Routing
ITS704	Ccnp 2: Remote Access Networks
ITS705	Ccnp 3: Multilayer Switching
ITS706	Ccnp 4: Network Troubleshooting
ITS707-1	Securing Cisco Hardware
ITS707-2	Securing Cisco Hardware
MAB281	Mathematics for Computer Graphics

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

Potential Careers:

Actuary, Computer Game Programmer, Data Communications Specialist, Database Manager, Market Research Manager, Mathematician, Network Administrator, Network Manager, Programmer, Quantitative Analyst, Software Engineer, Statistician, Systems Analyst.

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

Year offered: 2007

Admissions: Yes

CRICOS code: 006384G

Course duration (full-time): 5 years

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

Domestic fees (indicative): 2007: \$20,160

International Fees (per semester): 2007: \$10,000 per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 419512; Dfee: 419516

Past rank cut-off: 78; Dfee: 73

Past OP cut-off: 11; Dfee: 13

OP Guarantee: Yes

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

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or **Total credit points:** 480

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-Iyer (Engineering), Ruth Christie (Information Technology)

Discipline coordinator: Dr Ed Palmer (Engineering)

Campus: Gardens Point

Recommended Study

Chemistry, Math C and Physics are recommended.

Career Outcomes

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

Overview

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

Cooperative Education Program

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

departments, Dialog, TABQ, RACQ and Sun Microsystems.

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

Professional Recognition

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

Special Course Requirements

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

Further Information

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

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

Deferment

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

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

Find out more on deferment.

IF59 - B Engineering (Electrical)/B InfoTech

Full-time Course Structure - Year 1, Semester 1

BEB100	Introducing Professional Learning
ITB001	Problem Solving and Programming
PCB136	Engineering Physics 1C
MAB180	Engineering Mathematics 1B
	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

INFORMATION TECHNOLOGY

MAB132 Engineering Mathematics 2A
OR

OR

ITB844-2 Project

MAB182 Engineering Mathematics 2B
null

Electrical Engineering Elective

Electrical Engineering Elective

Electrical Engineering or IT Elective

Year 2, Semester 1

ENB240 Introduction To Electronics

ITB004 Database Systems

ITB008 Modelling Analysis and Design

MAB233 Engineering Mathematics 3

NOTE:

EEB781 Professional Studies 2 can be taken earlier if desired subject to completion of BNB007 Professional Studies 1.

Year 2, Semester 2

ENB243 Linear Circuits and Systems

ENB245 Introduction To Design and Professional Practice

ITB006 Networks

ITB007 Web Development

Electrical Engineering Elective Units

EEB566 Real-Time Computer-Based Systems

EEB666 Communication Environments for Embedded Systems

EEB941 Modern Signal Processing

EEB960 Wireless Communications

EEB976 Advanced Industrial Electronics

EEB992 VLSI Circuits and Systems

EED123 Process Control and Robotics

EED129 Image Processing and Computer Vision

At the discretion of the Course Coordinator, students may be allowed to select an elective from any advanced topics offered by the University. Also potential honours students may, with the approval of the Course Coordinator, select an elective from the from the postgraduate degree courses offered by the School of Electrical and Electronic Systems Engineering. IT and Electrical Engineering Electives may be interchanged provided at least one elective is chosen from each discipline.

Year 3, Semester 1

EEB311 Electrical Measurement and Machines

EEB512 Industrial Electronics and Digital Design

ENB242 Introduction To Telecommunications
IT Elective

Year 3, Semester 2

EEB411 Classical Control and Power Systems

EEB440 Classical Signal Processing

ITB720 Internet Protocols and Services
IT Elective

IT Elective units -please see IT Elective Unit list

Year 4, Semester 1

EEB560 Digital Communications

EEB584 Introduction to Design

ITB009 Core Project Initiation
IT Elective

Industrial Experience

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

Year 4, Semester 2

EEB640 Digital Signal Processing

EEB684 Advanced Design
IT Elective
Electrical Engineering or IT Elective

IT Elective Unit List

Information Technology Elective Unit List

ITB007 Web Development

ITB009 Core Project Initiation

ITB010 Core Project Implementation

ITB218 Applications Programming

ITB222 Systems Analysis and Design

ITB223 Software Development with ORACLE

ITB228 Enterprise Systems

ITB229 Database Design

ITB230 Project

ITB232 Database Management

ITB233 Enterprise Systems Applications

ITB237 Advanced Databases

Year 5, Semester 1

EEB781 Professional Studies 2

EEB889-1 Project

OR

ITB844-1 Project
Electrical Engineering Elective
Electrical Engineering Elective

Year 5, Semester 2

EEB889-2 Project

INFORMATION TECHNOLOGY

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

Potential Careers:

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

Bachelor of Creative Industries (Communication Design)/Bachelor of Information Technology (IF90)

Year offered: 2007

Admissions: No

CRICOS code: 040317C

Course duration (full-time): 4 years

Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: \$160 per credit point (*subject to annual review*)

Domestic fees (indicative): 2007:\$15360

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

Domestic Entry: February

International Entry: February

QTAC code: 409872

Past rank cut-off: 77

Past OP cut-off: 11

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

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

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Associate Professor Adrian Thomas (Creative Industries) ; Ruth Christie (Info Tech)

Discipline coordinator: Dr Gavin Sade (Creative Industries)

Campus: Gardens Point and Kelvin Grove

OP Guarantee

The OP Guarantee does not apply to this course.

Overview

This four year double degree prepares students for work in the games development and entertainment industries. Students study core units plus areas including design and media technologies, games design, software development, interactive writing and programming. Students are introduced to the theories and practices which underpin interdisciplinary design and technology studies.

The course brings together information technology core areas of algorithms and data structures, information science and visualisation with the design areas associated with human computer interaction, usability and accessibility, ambient and ubiquitous computing and tangible interfaces.

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

Pathways to Honours and post graduate degrees are available.

Cooperative Education Program

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

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

Career Outcomes

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

Professional Recognition

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

Further Information

Faculty of Information Technology

Phone: +61 7 3864 2782

Fax: +61 7 3864 2703

Email: fit.enquiry@qut.edu.au

Creative Industries Faculty

Communication Design Discipline

Phone: +61 7 3864 5904

if90enquiry.ci@qut.edu.au

Deferment

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

IF90 - BCI(Communication Design)/B InfoTech

Year 1, Semester 1

KIB101	Foundations of Communication Design 1
KIB103	Media Technology 1
ITB001	Problem Solving and Programming
ITB004	Database Systems

Year 1, Semester 2

KIB102	Foundations of Communication Design 2
KIB104	Media Technology 2
ITB002	IT Professional Studies
ITB003	Object Oriented Programming

Year 2, Semester 1

ITB005	Systems Architecture
ITB008	Modelling Analysis and Design Creative Industries Core Unit

INFORMATION TECHNOLOGY

Creative Industries Elective

Year 2, Semester 2

ITB007 Web Development
 ITB711 Programming Abstraction
 Creative Industries Core Unit
 Creative Industries Elective

Year 3, Semester 1

KIB210 Design Studio 1: Interaction Design
 ITB749 Scientific Programming
 MAB281 Mathematics for Computer Graphics

Year 3, Semester 2

KIB211 Design Studio 2: Web Development
 ITB006 Networks
 ITB746 Modelling and Animation Techniques

Year 4, Semester 1

KIB310 Design Studio 3: Virtual Environments
 ITB009 Core Project Initiation
 ITB747 Real Time Rendering Techniques
 OR
 ITB649 Object Modelling for Games Design
 ITB649 will not be offered after 2006

Year 4, Semester 2

KIB311 Design Studio 4: Tangible Media
 ITB010 Core Project Implementation
 ITB743 Artificial Intelligence

IT Elective Unit List

Information Technology Elective Unit List

ITB007 Web Development
 ITB009 Core Project Initiation
 ITB010 Core Project Implementation
 ITB218 Applications Programming
 ITB222 Systems Analysis and Design
 ITB223 Software Development with ORACLE
 ITB228 Enterprise Systems
 ITB229 Database Design
 ITB230 Project
 ITB232 Database Management
 ITB233 Enterprise Systems Applications
 ITB237 Advanced Databases
 ITB239 Enterprise Data Mining
 ITB241 Information Technology Management
 ITB254 Interaction Design
 ITB245 R/3 System Administration
 ITB257 Multimedia Systems

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

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

Creative Industries Faculty Undergraduate Open

Electives

Creative Industries Faculty Undergraduate Open Electives

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

Rules for selecting electives:

* you must obey any elective rules as set out in your course requirements

* you cannot select a unit that forms part of the compulsory units of your course or the compulsory units of your chosen sub-major area.

* you must have successfully completed any pre/co-requisite units applicable

* the offering of elective units is subject to sufficient student enrolment numbers and staff availability

* some units are subject to quota restrictions

* KK33, KK34, KJ32, KM32, IX07 and IX16 students ONLY are permitted to select electives from outside the Faculty of Creative Industries

Semester 1

	Media & Communication Discipline
KCB101	Communication in the New Economy
KCB102	Media and Society: From Printing Press to Internet
KCB103	Strategic Speech Communication
KCB201	Virtual Cultures
KCB302	Political Communication
	Communication Design Discipline
KIB201	Interactive Writing
KIB108	Animation Practices
	Dance Discipline
KDB105	Architecture of the Body
KDB108	World Dance
KDB110	Deconstructing Dance in History
	Fashion Discipline
KFB103	Introduction to Fashion Design
	Journalism Discipline
KJB101	Journalism Information Systems
KJB120	Newsriting
KJB121	Journalistic Inquiry
KJB224	Feature Writing
KJB239	Journalism Ethics and Issues
	Faculty
KKB004	Indigenous Creative Industries
KKB210	Computational Arts 1
KKB290	Supervised Group Project
KKB320	Workplace Learning
KKB330	Workplace Learning
KKB340-2	Workplace Learning

KKB340-1	Workplace Learning
KKB357	Independent Study
	Music & Sound Discipline
KMB002	Music and Spirituality
KMB003	Sex Drugs Rock 'n' roll
KMB004	World Music
KMB104	Music and Sound Skills
KMB105	Music and Sound Technology
KMB107	Sound, Image, Text
KMB108	Sound Recording and Acoustics
	Film & Television Discipline
KPB102	Film History
KPB106	Australian Television
KPB108	Media Text Analysis
KPB203	Australian Film
KPB303	Critical Thinking About Television
	Performance Studies Discipline
KTB061	Creative Industries Management
KTB062	Creative Industries Events and Festivals
KTB101	20th Century Performance
KTB204	Understanding Performance
KTB306	Directing for Events and Festivals
	Visual Arts Discipline
KVB102	Modernism
KVB104	Photomedia and Artistic Practice
KVB110	2D Media and Processes
KVB212	Australian Art, Architecture and Design
KVB304	Contemporary Art Issues
	Creative Writing & Cultural Studies Discipline
KWB001	Introduction to Literary Theory and Cultural Studies
KWB003	Modern Times (Literature and Culture in the 20th Century)
KWB005	Wonderlands: Literature and Culture in the 19th Century
KWB101	Introduction to Creative Writing
KWB102	Media Writing
KWB103	Persuasive Writing
KWB104	Creative Writing: The Short Story
KWB105	Film and Television Scriptwriting
KWB107	Introduction to Creative Non-Fiction
KWB207	Great Books: The Literary Classics

Semester 2

	Media & Communication Discipline
KCB101	Communication in the New Economy
KCB103	Strategic Speech Communication
KCB104	Media and Communications Industries
KCB105	Media and Communication Research Methods

INFORMATION TECHNOLOGY

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

NOTES:

* Only one Workplace Learning unit may be completed

* KKB290, KKB357, KKB320, KKB330, KKB340-1 and KKB340-2 are only available to students enrolled in Creative Industries courses.

Potential Careers:

Computer Games Developer, Internet Professional, Multimedia Designer, Programmer, Software Engineer, Web Designer.

Bachelor of Games and Interactive Entertainment (IT04)

Year offered: 2007

Admissions: Yes

CRICOS code: 059710E

Course duration (full-time): 3 years

Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: \$160 per credit point (*subject to annual review*)

Domestic fees (indicative): 2007: Full fee tuition \$15360

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

Domestic Entry: February

International Entry: February

QTAC code: 416102; Dfee: 416106

Past rank cut-off: 73; Dfee: 68

Past OP cut-off: 13; Dfee: 15

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths A, B or C (4, SA)

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

Course coordinator: Ms Ruth Christie

Campus: Gardens Point

Course Overview

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

Animation and Computational Arts: animation and motion graphics, 3D computer graphics and computer generated art

Digital Media: mixing graphics, video, animation and sound to meet the increasingly complex world of digital entertainment

Game Design: game design tools and design processes, narrative and immersion, architecture and interior design

Software Technologies: technical aspects of computer games, games engine and tools development

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

Career Outcomes

Depending on your specialisation, graduates may find employment as a games/digital media programmer, game designer, simulation developer or designer, animator, film

and television special effects developer, quality assurance tester, games/digital media reviewer, video game tester, sound designer, mobile entertainment and communications developer, web developer or digital product strategist.

Professional Accreditation

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

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

Cooperative Education Program

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

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

More information is available on the Cooperative Education website.

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

Deferment

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

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

Find out more on deferment.

Bachelor of Games & Interactive Entertainment Course structure

The course consists of four blocks of studies

Block A: Core Studies (6 units plus a 24 credit point Project completed in Semester 6)

Block B: Major (8 units) selected from Animation and Computational Art; Digital Media; Games Design; Software Technologies

Block C: Minor (4 units)

Block D: Electives (4 units)

Year 1, Semester 1

INFORMATION TECHNOLOGY

ITB750	Computer Game Studies	KIB101	Foundations of Communication Design 1
ITB001	Problem Solving and Programming	KIB102	Foundations of Communication Design 2
ITB002	IT Professional Studies	ITB254	Interaction Design
DEB101	Introducing Design	ITB257	Multimedia Systems

Year 1, Semester 2

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

Year 2, Semester 1

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

Year 2, Semester 2

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

Year 3, Semester 1

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

Year 3, Semester 2

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

Bachelor of Games & Interactive Entertainment Majors Course structure

Block B Majors (8 units)

Animation and Computational Arts

KIB105	Animation and Motion Graphics
KIB107	Introduction to Programming for 3D
KIB108	Animation Practices
KVB105	Foundations of Drawing for Animation 1
KVB106	Foundations of Drawing for Animation 2
	OR
KVB202	Visual Imaging - Process and Theory
ITB003	Object Oriented Programming
KKB210	Computational Arts 1
KKB211	Computational Arts 2

Digital Media

KIB101	Foundations of Communication Design 1
KIB102	Foundations of Communication Design 2
ITB254	Interaction Design
ITB257	Multimedia Systems
ITB259	Advanced Multimedia Systems
ITB213	Advanced Interaction Design
ITB216	Digital Video
ITB217	New Media Applications

Games Design

KIB814	Enabling Immersion
KIB816	Interactive Writing
ITB016	Fundamentals of Game Design
ITB017	Advanced Game Design
KIB310	Design Studio 3: Virtual Environments
	Two units selected from the following
DEB201	Digital Communication
DEB102	Introducing Design History
DAB110	Introductory Architectural Design 1
DTB101	Interior Design 1
DNB101	Industrial Design 1

Software Technologies*

	* This Major assumes students have obtained a SA or better in Queensland Maths B (or equivalent)
ITB003	Object Oriented Programming
ITB004	Database Systems
ITB005	Systems Architecture
ITB749	Scientific Programming
ITB711	Programming Abstraction
MAB281	Mathematics for Computer Graphics
ITB743	Artificial Intelligence
	OR
ITB746	Modelling and Animation Techniques
ITB742	Computational Intelligence
	OR
ITB747	Real Time Rendering Techniques

Bachelor of Games & Interactive Entertainment Minors Course structure

Students select a Minor from the following

Animation#

KIB212	Animation Studio 1: Preproduction
KIB213	Animation Studio 2: CG Toolkit
	#This Minor is only available to students who are undertaking the Animation and Computational Arts Major. As resources are limited, entry will be determined on the basis of a student's academic performance in the units KIB105, KIB107, KIB108 and KVB105.

INFORMATION TECHNOLOGY

Computer Science*

ITB710	Fundamentals of Computer Science
ITB744	Computer Architecture
ITB745	Operating Systems
ITB748	Configurable Computing

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

Digital Media

ITB254	Interaction Design
ITB257	Multimedia Systems
ITB259	Advanced Multimedia Systems
ITB213	Advanced Interaction Design

Games Design

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

Entrepreneurship

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

Legal Issues

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

Marketing

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

Mathematics for Games#

MAB100	Mathematical Sciences 1A
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MAB111 Mathematical Sciences 1B

MAB112 Mathematical Sciences 1C

MAB312 Linear Algebra

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

Mobile and Network Technologies*

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

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

Physics for Games

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

Sound Design

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

Bachelor of Corporate Systems Management (IT06)

Year offered: 2007

Admissions: Yes

CRICOS code: 059712C

Course duration (full-time): 3 years

Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: \$160 per credit point (*subject to annual review*)

Domestic fees (indicative): 2007: Full fee tuition \$15360

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

Domestic Entry: February

International Entry: February

QTAC code: 416301; Dfee: 416306

Past rank cut-off: 73; Dfee: 68

Past OP cut-off: 13; Dfee: 15

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths A, B or C (4, SA)

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

Course coordinator: Dr Karen Nelson

Campus: Gardens Point

Course Overview

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

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

Career Outcomes

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

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

Professional Accreditation

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

Cooperative Education Program

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

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

More information is available on the Cooperative Education website.

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

Deferment

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

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

Find out more on deferment.

Bachelor of Corporate Systems Management

Block A: Core Units (16 Units)

Block B: Complementary Studies (8 units)

Year 1, Semester 1

ITB002	IT Professional Studies
ITB360	Corporate Systems
ITB361	Socio-technical Systems
ITB362	Organisational Databases

Year 1, Semester 2

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

Year 2, Semester 1

BSB126	Marketing
ITB365	Business Analysis
ITB366	Information Systems Operations
	Block B Unit

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Year 2, Semester 2

ITB823	Web Sites For Electronic Commerce
EFB	Financial Information Systems
	Block B Unit
	Block B Unit

Year 3, Semester 1

ITB264	Information Systems Consulting
ITB370	Project
	Block B Unit
	Block B Unit

Year 3, Semester 2

ITB298	Business Process Engineering
ITB233	Enterprise Systems Applications
	Block B Unit
	Block B Unit

Block B: Complementary Studies

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

Information Management/Information Technology Management (Faculty of IT)

ITB241	Information Technology Management
ITB266	Information Management
ITB272	Information Technology Project Management
ITB294	Information Quality
ITB322	Information Resources
ITB330	Information Issues and Policy
ITB255	Knowledge Management
ITB3XX	null

Adult and Community Learning (Faculty of Education)

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

Banking and Finance (Faculty of Business)

BSB113	Economics
BSB122	Quantitative Analysis and Finance
EFB101	Data Analysis for Business

EFB102	Economics 2
EFB201	Financial Markets
EFB210	Finance 1
EFB307	Finance 2
EFB312	International Finance

Business Systems Engineering (Faculty of IT)

ITB003	Object Oriented Programming
ITB004	Database Systems
ITB008	Modelling Analysis and Design
ITB222	Systems Analysis and Design
ITB228	Enterprise Systems
ITB292	Enterprise Architecture
ITB296	Information Systems Theory and Applications

Creative Industries Management (Creative Industries Faculty)

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

Construction Management - Administration (Faculty of Built Environment and Engineering)

UDB111	Engineering Construction Materials
UDB110	Residential Construction and Engineering
UDB101	Stewardship of Land
UDB104	Urban Development Economics

Databases

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

Electronic Business (Faculty of IT/Faculty of Business)

ITB004	Database Systems
ITB007	Web Development
ITB228	Enterprise Systems
ITB239	Enterprise Data Mining
BSB212	Electronic Business Applications
BSB213	Governance Issues in E-Business
BSB314	E-Business Intelligence

Entrepreneurship (Faculty of Business)

MGB223	Creating New Enterprises
MGB218	Venture Skills
AMB240	Marketing Planning and Management
AMB251	Innovation and Market Development

Human Resource Management (Faculty of Business)

- MGB207 Human Resource Issues and Strategy
- MGB211 Organisational Behaviour
- MGB314 Organisational Consulting and Change
- MGB331 Training and Development

International Studies (QUT Carseldine)

- HHB110 Introduction To International And Global Studies
- HHB111 Issues In International And Global Studies
- HHB107 World Regions
- HHB223 Islam and Islamic Societies
- HHB263 Politics Of Globalisation

Law (Faculty of Law)

- LWB141 Legal Institutions and Method
- LWB142 Law, Society and Justice
- LWB144 Laws and Global Perspectives
- LWB136 Contracts A
- LWB137 Contracts B
- LWB482 Internet Law
- LWB484 Electronic Commerce and Technology Contracts

Management (Faculty of Business)

- MGB210 Production and Service Management
- MGB211 Organisational Behaviour
- MGB220 Management Research Methods
- MGB222 Managing Organisations
- MGB309 Strategic Management
- MGB334 Managing in a Changing Environment

Marketing (Faculty of Business)

- AMB200 Consumer Behaviour
- AMB240 Marketing Planning and Management
- AMB341 Strategic Marketing
- AMB201 Marketing and Audience Research
- AMB241 E-Marketing Strategies

Organisational Psychology (Faculty of Health)

- PYB012 Psychology
- PYB007 Interpersonal Processes and Skills
- PYB205 Social Psychology
- PYB302 Industrial and Organisational Psychology

Public Health (Faculty of Health)

- PUB251 Contemporary Public Health
- PUB326 Epidemiology
- PUB329 Foundations of Health Studies and Health Behaviour
- PUB406 Health Promotion Strategies

University Diploma in Information Technology (IT10)

Year offered: 2007

Admissions: Yes

CRICOS code: 025283M

Course duration (full-time): 2 semesters

International Fees (per semester): 2007:\$7,250 per semester (*subject to annual review*)

International Entry: February, June and October

Total credit points: 96

Standard credit points per full-time semester: 48

Course coordinator: Elizabeth McDade

Campus: Kelvin Grove

Abbreviation

UnivDiplInfTech

Entry requirements - Academic

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

Entry Requirements - English language

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

Description

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

Course Completion

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

Progression

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

- i) fulfil the Diploma course requirements,
- ii) a minimum Grade Point Average (GPA) of 4, and
- iii) an IELTS score of 6.5 or its equivalent.

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

Semester One

ITD001	Problem Solving and Programming
ITD004	Database Systems
ITD005	Systems Architecture
QCD120	Communication for Information Technology 1

Semester Two

ITD002	IT Professional Studies
ITD003	Object Oriented Programming
ITD006	Networks
QCD220	Communication for Information Technology 2

Potential Careers:

Academic, Computer Games Developer, Computer Salesperson/Marketer, Computer Systems Engineer, Data Communications Specialist, Database Manager, Digital Composer, Educator, Electronic Commerce Developer, Information Security Specialist, Internet Professional, Multimedia Designer, Network Administrator, Network Manager, Programmer, Public Servant, Secondary School Teacher, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer, Systems Trainer, TAFE Teacher, Teacher, Technical Officer, Trainer, Web Designer.

Bachelor of Information Technology (FOR CONTINUING STUDENTS ONLY) (IT21)

Year offered: 2007

Admissions: No

CRICOS code: 012656E

Course duration (full-time): 3 years (International students must study at Gardens Point)

Course duration (part-time): 6 years (not available at Carseldine)

Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: \$160 per credit point (*subject to annual review*)

Domestic fees (indicative): 2007 Full fee tuition \$15360

International Fees (per semester): 2005: A\$9,000; 2006: A\$9,000 (*subject to annual review*)

International Entry: February, July and October (Conditions apply for October entry)

OP Guarantee: Yes

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

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

Total credit points: 288

Course coordinator: Ruth Christie

Campus: Gardens Point and Carseldine

Career Outcomes

IT is now an integral part of all commercial, industrial and government activities.

A graduate may find employment as a: Programmer, Software Engineer, Systems Programmer, Computer Scientist, Systems Analyst, Data Communications Specialist, Information Manager, Electronic Commerce Developer, Games Developer, Multimedia Specialist, Network Administrator, Database Manager, Web Developer.

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

Course Design

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

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

The 24 unit degree comprises:

- Ten Faculty Core Units that must be undertaken by all students to provide a strong foundation for a career in IT

- Six units in an IT Major
- Eight units in IT Complementary Studies, including for example a second IT Major or an Extended Major.

[Click here for more info.](#)

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

Credit for previous study

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

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

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

Professional Recognition

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

Co-operative Education Program

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

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

More information is available on the Cooperative Education site.

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

Deferment

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

Course Outline

Block 1: Common First Year (8 Units)

Block 2: Major (12 Units)

INFORMATION TECHNOLOGY

Data Communications
Electronic Commerce
Information Systems
Software Engineering

BSB213 Governance Issues in E-Business
ITB007 Web Development
ITB222 Systems Analysis and Design
ITB228 Enterprise Systems
ITB229 Database Design
ITB260 E-Commerce Site Development
ITB720 Internet Protocols and Services
ITB730 Information Security Fundamentals

Four (4) Major Elective Units to be chosen from the IT Elective List

Block 2: Major (14 Units)

Emerging Technologies
Data Communications and Information Systems
Data Communications and Software Engineering

Block 3: General Electives

4 Units for the following majors
Data Communications
Electronic Commerce
Information Systems
Software Engineering
2 Units for the following majors
Emerging Technologies
Data Communications and Information Systems
Data Communications and Software Engineering

IT21 - Emerging Technologies Major

Emerging Technologies Major

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

IT21 - Common First Year

Common First Year

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

IT21 - Information Systems Major

Information Systems Major

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

IT21 - Data Communications Major

Data Communications Major

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

IT21 - Software Engineering Major

Software Engineering Major

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

IT21 - Electronic Commerce Major

Electronic Commerce Major

IT21 - Data Communications & Information Systems Major

INFORMATION TECHNOLOGY

Data Communications & Information Systems Major

ITB007	Web Development
ITB222	Systems Analysis and Design
ITB228	Enterprise Systems
ITB229	Database Design
ITB710	Fundamentals of Computer Science
ITB720	Internet Protocols and Services
ITB721	Unix Network Administration
ITB723	Wireless and Mobile Devices
ITB730	Information Security Fundamentals
	Five (5) Major Elective Units to be chosen from the IT Elective List

IT21 - Data Communications & Software Engineering Major

Data Communications & Software Engineering Major

ITB009	Core Project Initiation
ITB710	Fundamentals of Computer Science
ITB711	Programming Abstraction
ITB712	Software Engineering Studies
	ITB008 must be completed prior to completion of ITB712
ITB720	Internet Protocols and Services
ITB721	Unix Network Administration
ITB723	Wireless and Mobile Devices
ITB730	Information Security Fundamentals
ITB744	Computer Architecture
ITB745	Operating Systems
	Four (4) Major Elective Units to be chosen from the IT Elective List

IT Elective Unit List

Information Technology Elective Unit List

ITB007	Web Development
ITB009	Core Project Initiation
ITB010	Core Project Implementation
ITB218	Applications Programming
ITB222	Systems Analysis and Design
ITB223	Software Development with ORACLE
ITB228	Enterprise Systems
ITB229	Database Design
ITB230	Project
ITB232	Database Management
ITB233	Enterprise Systems Applications
ITB237	Advanced Databases
ITB239	Enterprise Data Mining
ITB241	Information Technology Management
ITB254	Interaction Design

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

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

Potential Careers:

Computer Games Developer, Computer Salesperson/Marketer, Computer Systems Engineer, Data Communications Specialist, Database Manager, Electronic Commerce Developer, Internet Professional, Network Administrator, Network Manager, Programmer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer, Technical Officer, Web Designer.

Bachelor of Information Technology (IT22)

Year offered: 2007

Admissions: Yes

CRICOS code: 012656E

Course duration (full-time): 3 years

Course duration (part-time): 6 years (not available at Carseldine)

Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: \$160 per credit point (*subject to annual review*)

Domestic fees (indicative): 2007: Full fee tuition \$15,360; CSP \$7,105

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

Domestic Entry: February and July* (* Gardens Point campus only)

International Entry: February, July and October (Conditions apply for October entry)

QTAC code: Gardens Point campus: 416801; Dfee: 416806. Carseldine campus: 446802; Dfee: 446806

Past rank cut-off: 72 (both campuses). Dfee: 68 (both campuses)

Past OP cut-off: 13 (both campuses). Dfee: 15 (both campuses)

OP Guarantee: Yes

Assumed knowledge: English (4, SA) and Maths A, B or C (4, SA)

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

Total credit points: 288

Course coordinator: Ruth Christie

Campus: Gardens Point and Carseldine

Career Outcomes

IT is now an integral part of all commercial, industrial and government activities.

A graduate may find employment as a: Programmer, Software Engineer, Systems Programmer, Computer Scientist, Systems Analyst, Data Communications Specialist, Information Manager, Electronic Commerce Developer, Games Developer, Multimedia Specialist, Network Administrator, Database Manager, Web Developer.

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

Course Design

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

The new Bachelor of Information Technology course

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

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

Credit for Previous Study

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

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

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

Professional Recognition

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

Cooperative Education Program

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

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

More information is available on the Cooperative Education website.

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

Scholarships

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

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

wishing to study IT.

Block B or Block C Unit

Find out more on our range of scholarships.

Deferment

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

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

Find out more on deferment.

Bachelor of Information Technology

Course Structure

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

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

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

Recommended Core Unit Progression

Year 1, Semester 1

- ITB001 Problem Solving and Programming
- ITB002 IT Professional Studies
- ITB004 Database Systems
- ITB005 Systems Architecture

Year 1, Semester 2

- ITB003 Object Oriented Programming
- ITB006 Networks
- ITB007 Web Development
- ITB008 Modelling Analysis and Design

Year 2, Semester 1

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

Year 2, Semester 2

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

Year 3, Semester 1

- ITB010 Core Project Implementation
- Block B or Block C Unit
- Block B or Block C Unit
- Block B or Block C Unit

Year 3, Semester 2

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

IT22 Bachelor of Information Technology Course structure (Carseldine)

Course Structure

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

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

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

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

Year 1, Semester 1

- ITB001 Problem Solving and Programming
- ITB002 IT Professional Studies
- ITB004 Database Systems
- ITB005 Systems Architecture

Year 1, Semester 2

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

Business Systems Engineering Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB230	Project
ITB237	Advanced Databases
ITB245	R/3 System Administration
ITB255	Knowledge Management
ITB266	Information Management
ITB267	Business Analytics
ITB272	Information Technology Project Management
ITB294	Information Quality
ITB322	Information Resources

Databases Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB230	Project
ITB237	Advanced Databases
ITB245	R/3 System Administration
ITB255	Knowledge Management
ITB266	Information Management
ITB267	Business Analytics
ITB272	Information Technology Project Management
ITB294	Information Quality
ITB322	Information Resources

Electronic Business Major

Compulsory Units

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

Games Technology Major

Compulsory Units

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

Information and Knowledge Management Major

Please contact the Course Coordinator for enrolment advice

Information Systems Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB230	Project
ITB237	Advanced Databases
ITB266	Information Management
ITB267	Business Analytics
ITB322	Information Resources

Information Technology Management Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB230	Project
ITB237	Advanced Databases
ITB245	R/3 System Administration
ITB255	Knowledge Management
ITB266	Information Management
ITB267	Business Analytics
ITB272	Information Technology Project Management
ITB294	Information Quality
ITB322	Information Resources

Intelligent Systems Major**Compulsory Units**

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

Elective Units

Select two (2) units from the following list

ITB322	Information Resources
ITB710	Fundamentals of Computer Science
ITB715	Web Services
ITB742	Computational Intelligence
ITB743	Artificial Intelligence

Interactive Media Major**Compulsory Units**

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

Elective Units

Select one (1) unit from the following list

KIB103	Media Technology 1
KIB105	Animation and Motion Graphics
KIB108	Animation Practices

Network Systems Major**Compulsory Units**

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

Elective Units

Select three (3) units from the following list

ITB710	Fundamentals of Computer Science
ITB723	Wireless and Mobile Devices
ITB745	Operating Systems
ITS701	Ccna 1 & 2: Internetworking and Routing Basics
ITS702	Ccna 3 & 4: Switching and Wide Area Networking

Security Major**Compulsory Units**

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

Software Architecture Major**Compulsory Units**

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

Web Services and Applications Major**Compulsory Units**

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

Potential Careers:

Computer Game Programmer, Computer Games Developer, Computer Systems Engineer, Data Communications Specialist, Database Manager, Electronic Commerce Developer, Information Security Specialist, Internet Professional, Multimedia Designer, Network Administrator, Network Manager, Programmer, Project Manager, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer, Web Designer.

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

Year offered: 2007

Admissions: Yes

CRICOS code: 012656E / 017323G

Course duration (full-time): 3 years

Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: \$160 per credit point (subject to annual review)

Domestic fees (indicative): 2007: Full fee tuition \$15,360; CSP \$7,105

Domestic Entry: February: Fixed Closing Date- 30 November 2006.

QTAC code: 416002

Past rank cut-off: 98. Also see entry requirements

Past OP cut-off: 2. Also see entry requirements

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

Course coordinator: Ruth Christie

Campus: Gardens Point

Why choose this course?

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

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

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

Who should apply?

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

Entry Requirements

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

Additional Entry Requirements

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

The due date to submit the questionnaire is 28

September 2007. Late submissions will be accepted up until 30 November. Submissions after 30 November will not be accepted.

Fixed Closing Date

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

Scholarships

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

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

Cooperative Education Program

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

OP Guarantee

The OP Guarantee does not apply to this program.

Professional Recognition

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

Deferment

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

International Student Entry

To be eligible to enrol in the Honours program, students must demonstrate appropriate levels of achievement in the Bachelor of Information Technology course.

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

Domestic student tuition fee (Dfee) places

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

Bachelor of Information Technology

Course Structure

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

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

Recommended Core Unit Progression

Year 1, Semester 1

ITB001	Problem Solving and Programming
ITB002	IT Professional Studies
ITB004	Database Systems
ITB005	Systems Architecture

Year 1, Semester 2

ITB003	Object Oriented Programming
ITB006	Networks
ITB007	Web Development
ITB008	Modelling Analysis and Design

Year 2, Semester 1

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

Year 2, Semester 2

ITB009	Core Project Initiation
	Block B or Block C Unit
	Block B or Block C Unit
	Block B or Block C Unit
	Block B or Block C Unit

Year 2, Summer

ITB010	Core Project Implementation
	Undertaken over four (4) weeks.

Year 3, Semester 1

Block B or Block C Unit
 Block B or Block C Unit
 Block B or Block C Unit
 Block B or Block C Unit
 ITN Unit

Year 3, Semester 2

ITN100	Introduction to Research
	ITN Elective
	ITN Elective
ITN150-1	Honours Dissertation

Year 3, Summer

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

Business Systems Engineering Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB230	Project
ITB237	Advanced Databases
ITB245	R/3 System Administration
ITB255	Knowledge Management
ITB266	Information Management
ITB267	Business Analytics
ITB272	Information Technology Project Management
ITB294	Information Quality
ITB322	Information Resources

Databases Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB230	Project
ITB237	Advanced Databases
ITB245	R/3 System Administration
ITB255	Knowledge Management
ITB266	Information Management
ITB267	Business Analytics
ITB272	Information Technology Project Management
ITB294	Information Quality
ITB322	Information Resources

Electronic Business Major

Compulsory Units

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

Games Technology Major

Compulsory Units

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

Information and Knowledge Management Major

Please contact the Course Coordinator for enrolment advice

Information Systems Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB230	Project
ITB237	Advanced Databases
ITB266	Information Management
ITB267	Business Analytics
ITB322	Information Resources

Information Technology Management Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE

ITB230	Project
ITB237	Advanced Databases
ITB245	R/3 System Administration
ITB255	Knowledge Management
ITB266	Information Management
ITB267	Business Analytics
ITB272	Information Technology Project Management
ITB294	Information Quality
ITB322	Information Resources

Intelligent Systems Major

Compulsory Units

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

Elective Units

Select two (2) units from the following list

ITB322	Information Resources
ITB710	Fundamentals of Computer Science
ITB715	Web Services
ITB742	Computational Intelligence
ITB743	Artificial Intelligence

Interactive Media Major

Compulsory Units

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

Elective Units

Select one (1) unit from the following list

KIB103	Media Technology 1
KIB105	Animation and Motion Graphics
KIB108	Animation Practices

Network Systems Major

Compulsory Units

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

Elective Units

Select three (3) units from the following list

ITB710	Fundamentals of Computer Science
ITB723	Wireless and Mobile Devices

ITB745	Operating Systems
ITS701	Ccna 1 & 2: Internetworking and Routing Basics
ITS702	Ccna 3 & 4: Switching and Wide Area Networking

Security Major**Compulsory Units**

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

Software Architecture Major**Compulsory Units**

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

Web Services and Applications Major**Compulsory Units**

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

Bachelor of Information Technology (Honours) (IT28)

Year offered: 2007

Admissions: Yes

CRICOS code: 017323G

Course duration (full-time): 1 year

Course duration (part-time): 2 years

Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: \$160 per credit point (*subject to annual review*)

Domestic fees (indicative): 2007 Full fee tuition \$15,360; CSP \$7,114

International Fees (per semester): 2007: \$9,500 per semester (*subject to annual review*)

Domestic Entry: February and July

International Entry: February and July

Total credit points: 96

Course coordinator: Dr Wayne Kelly

Campus: Gardens Point

Overview

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

Entry requirements

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

The "Accelerated" Honours Program

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

Notes

Duration

Except in special circumstances as approved by the Dean, the requirements for an Honours degree must be completed within two successive years following first enrolment.

Unsatisfactory Progress

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

Unsatisfactory progress consists of:

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

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

Assessment

The minimum grade which may be credited towards an Honours degree is 4 (or Satisfactory, where applicable). A minimum of three copies of a dissertation should be presented to the supervisor for examination. Dissertations should be temporarily bound in order to facilitate the making of any revisions and editorial changes required by the examiners before final printing and binding.

Dissertations will be examined by an examining committee appointed by the Dean and consisting of a least two examiners, one of whom may be external to the University. The supervisor of the candidate's work may be a member of the committee but may not chair the committee or act as the primary examiner.

Determination of Level of Honours Awards

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

Honours degrees will be awarded at the following levels after account is taken of the candidate's performance in all units and appropriate weight applied to the dissertation:

Honours 1 - First Class Honours

Honours 2A - Second Class Honours, Division A

Honours 2B - Second Class Honours, Division B

Honours 3 - Third Class Honours

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

Honours 1 - GPA 6.50-7.00, or equivalent

Honours 2A - GPA 5.50-6.49, or equivalent

Honours 2B - GPA 4.50-5.49, or equivalent

Honours 3 - GPA 4.00-4.49, or equivalent

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

Further Information

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

IT28 - Bachelor of Information Technology (Honours)

FULL TIME

Year 1, Semester 1

ITN100 Introduction to Research

ITN150-1 Honours Dissertation

Elective

Elective

Year 1, Semester 2

ITN150-2 Honours Dissertation

ITN150-3 Honours Dissertation

ITN150-4 Honours Dissertation

Elective

PART TIME

Year 1, Semester 1

INFORMATION TECHNOLOGY

ITN100 Introduction to Research
ITN150-1 Honours Dissertation

Year 1, Semester 2

ITN150-2 Honours Dissertation
Elective

Year 2, Semester 1

ITN150-3 Honours Dissertation
Elective

Year 2, Semester 2

ITN150-4 Honours Dissertation
Elective
null

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

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

IT Honours Elective Units

Elective units

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

Approved Honours Electives

ITN233 Enterprise Systems Applications
ITN237 Advanced Databases
ITN239 Enterprise Data Mining
ITN241 Information Technology Management
ITN245 R/3 Systems Administration
ITN254 Interactivity Design
ITN255 Knowledge Management
ITN257 Multimedia Systems
ITN260 E-Commerce Site Development
ITN264 Information Systems Consulting
ITN267 Business Analytics
ITN272 Information Technology Project Management
ITN295 XML: Data and Document Processing

ITN298 Process Engineering
ITN713 Advanced Java Programming
ITN715 Web Services
ITN716 Advanced Web Applications Development
ITN717 Enterprise Software Architecture
ITN722 Network Planning and Deployment
ITN723 Wireless and Mobile Networks
ITN731 Security Technologies
ITN733 Network Security
ITN740 Agent Based Software Engineering
ITN741 Information Retrieval Technology
ITN742 Computational Intelligence
ITN746 Modelling and Animation Techniques
ITN748 Configurable Computing
ITN751 Games Production

Advanced Honours Electives

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

Potential Careers:

Computer Games Developer, Data Communications Specialist, Database Manager, Electronic Commerce Developer, Internet Professional, Journalist, Network Administrator, Network Manager, Programmer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer, Web Designer.

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

Year offered: 2007

Admissions: Yes

CRICOS code: 017323G

Course duration (full-time): 2 semesters

Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007 \$160 per credit point (*subject to annual review*)

Domestic fees (indicative): 2007 Full fee tuition \$15360

International Fees (per semester): 2007:\$9,500 per semester (*subject to annual review*)

Domestic Entry: February and July

International Entry: February and July

Total credit points: 96

Course coordinator: Dr Wayne Kelly

Campus: Gardens Point

Overview

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

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

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

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

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

Please note: tuition fees normally apply for Summer enrolment

Notes

Assessment

The minimum grade which may be credited towards an Honours degree is 4 (or Satisfactory, where applicable). A minimum of three copies of a dissertation should be presented to the supervisor for examination. Dissertations should be temporarily bound in order to facilitate the making of any revisions and editorial changes required by the examiners before final printing and binding.

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

examiners, one of whom may be external to the University. The supervisor of the candidate's work may be a member of the committee but may not chair the committee or act as the primary examiner.

Determination of Level of Honours Awards

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

Honours degrees will be awarded at the following levels after account is taken of the candidate's performance in all units and appropriate weight applied to the dissertation:

Honours 1 - First Class Honours

Honours 2A - Second Class Honours, Division A

Honours 2B - Second Class Honours, Division B

Honours 3 - Third Class Honours

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

Honours 1 - GPA 6.50-7.00, or equivalent

Honours 2A - GPA 5.50-6.49, or equivalent

Honours 2B - GPA 4.50-5.49, or equivalent

Honours 3 - GPA 4.00-4.49, or equivalent

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

Unsatisfactory Progress

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

Unsatisfactory progress consists of:

- receiving a grade of less than 4 (or Satisfactory, where applicable) in one unit of the course work component.

- failure to make sufficient progress with the dissertation component, in the opinion of the Dean.

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

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

Year 3, Semester 1*

Elective

Year 3, Semester 2

ITN100 Introduction to Research

ITN150-1 Honours Dissertation

Elective

Elective

Year 3, Semester 3

ITN150-2 Honours Dissertation

ITN150-3 Honours Dissertation

ITN150-4 Honours Dissertation

null

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

Please note: tuition fees normally apply for Summer enrolment. Deans Scholars should contact the IT22 Course Coordinator for further details.

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

MID YEAR ENTRY

Year 3, Semester 2*

Elective

Year 3, Semester 3

ITN100 Introduction to Research

ITN150-1 Honours Dissertation

ITN150-2 Honours Dissertation

Year 4, Semester 1

ITN150-3 Honours Dissertation

ITN150-4 Honours Dissertation

Elective

Elective

null

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

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

Please note: tuition fees normally apply for Summer enrolment.

IT Honours Elective Units

Elective units

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

please discuss it with your supervisor and course coordinator as soon as possible.

Approved Honours Electives

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

Advanced Honours Electives

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

Potential Careers:

Academic, Business Analyst, Computer Games Developer, Computer Salesperson/Marketer, Computer Systems Engineer, Data Communications Specialist, Database Manager, Electrical and Computer Engineer, Information

Officer, Information Security Specialist, Internet Professional, Multimedia Designer, Network Administrator, Network Manager, Systems Analyst, Systems Manager, Systems Programmer, Systems Trainer.

Graduate Diploma in Information Technology (IT Graduates) (IT35)

Year offered: 2007

Admissions: Yes

CRICOS code: 018771J

Course duration (full-time): 1 years

Course duration (part-time): 2 years

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

Domestic fees (indicative): 2007: \$12480

International Fees (per semester): 2007:\$9,500 per semester (*subject to annual review*)

Domestic Entry: February and July

International Entry: February and July

Total credit points: 96

Course coordinator: Hamish Bentley

Campus: Gardens Point

Overview

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

Entry requirements

Applicants for either IT35 or IT40 must have:

a) a bachelors degree in Information Technology with a grade point average of at least 4.5 (7-point scale)

OR

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

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

Course Structure

To graduate from the Graduate Diploma in IT, students are required to have completed 8 units, including:

1 x Compulsory Unit - ITN272 IT Project Management

A minimum of 5 x Advanced Level 1 Units

A minimum of 1 x Advanced Level 2 Units

Students may also gain credit for one or more graduate certificate awards while completing the Grad Dip or Masters program.

Graduate Certificates in Information Technology consist of 4 designated units which highlight career specialisations. Graduate certificate awards are available in Computer Networks, Information Security, Enterprise Wide Software, Electronic Commerce, Management of Information Technology, Multimedia and Component Software and Web Services.

Articulation

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

Further Information

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

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

Compulsory Unit*

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

Advanced Level 1 Units

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

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ITS706	Ccnp 4: Network Troubleshooting
ITS707-1	Securing Cisco Hardware null Project - 12 and 24 credit points (See Project Units for codes)

Advanced Level 2 Units

ITN100	Introduction to Research
ITN232	Database Management
ITN253	Case Studies In Enterprise Systems
ITN259	Advanced Multimedia Systems
ITN269	Special Topic 2B
ITN747	Real Time Rendering Techniques
ITN761	SEDC Special Topic 1
ITN765	SEDC Special Topic 5
ITN770	Internationalisation of Software
ITN771	Advanced Network Management
ITN773	Trusted Systems
ITN774	Computer Forensics null Project - 48 credit points (See Project Units for codes)

Project Units

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

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

Intermediate Level Units

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

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

Potential Careers:

Business Analyst, Data Communications Specialist, Database Manager, Electronic Commerce Developer, Multimedia Designer, Network Administrator, Network Manager, Programmer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer.

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

Year offered: 2007

Admissions: Yes

CRICOS code: 018771J

Course duration (full-time): 2 semesters

Course duration (part-time): 4 semesters

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

Domestic fees (indicative): 2007: \$12480

International Fees (per semester): 2007:\$9,500 per semester (*subject to annual review*)

Domestic Entry: February, July and November

International Entry: February, July and November

Total credit points: 96

Course coordinator: Hamish Bentley

Campus: Gardens Point

Overview

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

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

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

Entry requirements

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

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

Applicants are assumed to have possessed the following prerequisite skills:

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

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

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

Course Structure

To graduate with a Graduate Diploma in Information Technology (IT38), students are required to have completed 8 units, including:

- 1 x Compulsory Unit - ITN272 IT Project Management
- A Minimum of 3 x Basic Level Units
- 4 x Chosen from Intermediate or Advanced Level 1 Units

Articulation

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

Scholarships

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

Further Information

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

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

Compulsory Unit*

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

Basic Level Units

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

Intermediate Level Units

ITN007	Web Development
ITN218	Applications Programming
ITN222	Business Systems Analysis and Design
ITN223	Software Development with Oracle
ITN228	Enterprise Systems
ITN229	Database Design
ITN241	Information Technology Management
ITN266	Information Management
ITN294	Information Quality
ITN295	XML: Data and Document Processing
ITN322	Information Resources

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ITN710	Fundamentals of Computer Science	Business Analyst, Data Communications Specialist, Database Manager, Electronic Commerce Developer, Internet Professional, Multimedia Designer, Network Administrator, Network Manager, Programmer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer.
ITN711	Programming Abstraction	
ITN712	Software Engineering Principles	
ITN720	Internet Protocols and Services	
ITN730	Information Security Fundamentals	
ITN721	Computer Network Administration	
ITN732	Cryptology and Protocols	
ITN740	Agent Based Software Engineering	
ITN743	Artificial Intelligence	
ITN362	Organisational Databases	
ITN744	Computer Architecture	
ITN745	Operating Systems	
ITN749	Scientific Programming	
ITS701	Ccna 1 & 2: Internetworking and Routing Basics	

Advanced Level 1 units

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

Project Units

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

Potential Careers:

Master of Information Technology (IT Graduates) (IT40)

Year offered: 2007

Admissions: Yes

CRICOS code: 003776E

Course duration (full-time): 3 semesters

Course duration (part-time): 6 semesters

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

Domestic fees (indicative): 2007: \$12480

International Fees (per semester): 2007:\$9,500 per semester (*subject to annual review*)

Domestic Entry: February and July

International Entry: February and July

Total credit points: 144

Course coordinator: Hamish Bentley

Campus: Gardens Point

Overview

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

Specialisations are available in:

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

Entry requirements

Applicants for the Advanced Master of IT must have:

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

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

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

Course Structure

To graduate from the Master of Information Technology, students are required to complete 12 units, including:

1 x Compulsory Unit - ITN272 IT Project Management

A minimum of 6 x Advanced Level 1 Units

A minimum of 1 x Advanced Level 2 Units

A maximum of 3 x PG level Elective Units selected from outside the Faculty, in consultation with the Course Coordinator

To exit the Masters course with a Graduate Diploma in

Information Technology, students are required to have completed 8 units, including:

- A minimum of 5 x Advanced Level 1 Units

- A minimum of 1 x Advanced Level 2 Units

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

Further information

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

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

Compulsory Unit*

ITN272	Information Technology Project Management Only for students who commenced Semester 2, 2006 or later
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Advanced Level 1 Units

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

ITS702	Ccna 3 & 4: Switching and Wide Area Networking
ITS703	Ccnp 1: Advanced Routing
ITS704	Ccnp 2: Remote Access Networks
ITS705	Ccnp 3: Multilayer Switching
ITS706	Ccnp 4: Network Troubleshooting
ITS707-1	Securing Cisco Hardware
	null
	Project - 12 and 24 credit points (See Project Units for codes)

Advanced Level 2 Units

ITN100	Introduction to Research
ITN232	Database Management
ITN253	Case Studies In Enterprise Systems
ITN259	Advanced Multimedia Systems
ITN269	Special Topic 2B
ITN747	Real Time Rendering Techniques
ITN761	SEDC Special Topic 1
ITN765	SEDC Special Topic 5
ITN770	Internationalisation of Software
ITN771	Advanced Network Management
ITN773	Trusted Systems
ITN774	Computer Forensics
	null
	Project - 48 credit points (See Project Units for codes)

Project Units

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

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

Intermediate Level Units

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

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

Potential Careers:

Business Analyst, Data Communications Specialist, Database Manager, Electronic Commerce Developer, Internet Professional, Multimedia Designer, Network Administrator, Network Manager, Programmer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer.

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

Year offered: 2007

Admissions: Yes

CRICOS code: 003776E

Course duration (full-time): 3 semesters

Course duration (part-time): 6 semesters

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

Domestic fees (indicative): 2007: \$12480

International Fees (per semester): 2007: \$9,500 per semester (*subject to annual review*)

Domestic Entry: February, July and November

International Entry: February, July and November (Conditions apply for November entry)

Total credit points: 144

Course coordinator: Hamish Bentley

Campus: Gardens Point

Overview

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

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

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

Entry Requirements

Applicants for the Master of IT (Non-IT Graduates) must have:

a Bachelors degree in a discipline other than Information Technology with a grade point average of at least 4.5 (7 point scale); and have demonstrated competence with the basic skills and concepts of personal or office usage.

Applicants are assumed to have possessed the following prerequisite skills:

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

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

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

Course Structure

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

To exit the Masters course with a Graduate Diploma in Information Technology (IT38), students are required to have completed 8 units, including:

- 1 x Compulsory Unit - ITN272 IT Project Management
- A minimum of 3 x Basic Level Units
- 4 x chosen from Intermediate or Advanced Level 1 Units

Further Information

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

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

Compulsory Unit*

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

Basic Level Units

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

Intermediate Level Units

ITN007	Web Development
ITN218	Applications Programming
ITN222	Business Systems Analysis and Design
ITN223	Software Development with Oracle
ITN228	Enterprise Systems
ITN229	Database Design
ITN241	Information Technology Management
ITN266	Information Management
ITN294	Information Quality
ITN295	XML: Data and Document Processing
ITN322	Information Resources
ITN710	Fundamentals of Computer Science
ITN711	Programming Abstraction

INFORMATION TECHNOLOGY

ITN712	Software Engineering Principles	Analyst, Systems Manager, Systems Programmer.
ITN720	Internet Protocols and Services	
ITN730	Information Security Fundamentals	
ITN721	Computer Network Administration	
ITN732	Cryptology and Protocols	
ITN740	Agent Based Software Engineering	
ITN743	Artificial Intelligence	
ITN362	Organisational Databases	
ITN744	Computer Architecture	
ITN745	Operating Systems	
ITN749	Scientific Programming	
ITS701	Ccna 1 & 2: Internetworking and Routing Basics	

Advanced Level 1 units

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

Project Units

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

Potential Careers:

Business Analyst, Data Communications Specialist, Database Manager, Electronic Commerce Developer, Internet Professional, Network Administrator, Network Manager, Programmer, Software Engineer, Systems

Master of Information Technology (Advanced) (IT48)

Year offered: 2007

Admissions: Yes

CRICOS code: 053123F

Course duration (full-time): 2 years (4 semesters)

Course duration (part-time): 4 years (8 semesters)

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

Domestic fees (indicative): 2007: \$12480

International Fees (per semester): 2007:\$9,500 per semester (*subject to annual review*)

Domestic Entry: February, July

International Entry: February, July

Total credit points: 192

Standard credit points per full-time semester: 48

Standard credit points per part-time semester: 24

Course coordinator: Hamish Bentley

Campus: Gardens Point

Overview

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

Entry Requirements

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

Course Structure

To graduate from the Master of Information Technology (Advanced) students are required to complete 16 units, consisting of:

* 1 x Compulsory Unit - ITN272 IT Project Management

* a maximum of 4 Intermediate Units

* a minimum of 7 Advanced Level 1 Units

* a minimum of 1 Advanced Level 2 Units; and

* a maximum of 3 x PG level Elective Units selected from outside the Faculty, in consultation with the Course Coordinator

Further Information

Please visit www.fit.qut.edu.au

email: fit.enquiry@qut.edu.au or

telephone: 07 3864 2782

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

Graduates)

Compulsory Unit*

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

Advanced Level 1 Units

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

Advanced Level 2 Units

ITN100	Introduction to Research
ITN232	Database Management
ITN253	Case Studies In Enterprise Systems
ITN259	Advanced Multimedia Systems

INFORMATION TECHNOLOGY

ITN269	Special Topic 2B	ITN322	Information Resources
ITN747	Real Time Rendering Techniques	ITN710	Fundamentals of Computer Science
ITN761	SEDC Special Topic 1	ITN711	Programming Abstraction
ITN765	SEDC Special Topic 5	ITN712	Software Engineering Principles
ITN770	Internationalisation of Software	ITN720	Internet Protocols and Services
ITN771	Advanced Network Management	ITN721	Computer Network Administration
ITN773	Trusted Systems	ITN730	Information Security Fundamentals
ITN774	Computer Forensics	ITN732	Cryptology and Protocols
	null	ITN740	Agent Based Software Engineering
	Project - 48 credit points (See Project Units for codes)	ITN743	Artificial Intelligence
		ITN744	Computer Architecture
		ITN745	Operating Systems
		ITN749	Scientific Programming
		ITS701	Ccna 1 & 2: Internetworking and Routing Basics

Project Units

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

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

Intermediate Level Units

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

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

Master of Information Technology (Research) (IT60)

Year offered: 2007

Admissions: Yes

CRICOS code: 020309B

Course duration (full-time): 1.5 years or 3 semesters

Course duration (part-time): 3 years or 6 semesters

Domestic fees (per credit point): RTS/RTA; 2007: \$130 per credit point (exceeded max. entitlement) (*subject to annual review*)

Domestic fees (indicative): 2007: \$12480

International Fees (per semester): 2007:\$9,500 per semester (*subject to annual review*)

Domestic Entry: At any time

International Entry: At any time

Total credit points: 144

Course coordinator: Associate Professor Shlomo Geva

Campus: Gardens Point

Overview

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

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

Entry requirements

An approved degree in information technology from a recognised tertiary institution or an equivalent qualification, with a grade point average equal to, or greater than 5 (7 point scale), OR

an approved degree from a recognised tertiary institution plus evidence of professional experience and skills to satisfy the academic board that the applicant possesses the capacity to pursue the course of study. The evidence should include details of any project or research activities undertaken.

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

Research Areas

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

Course Structure

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

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

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

Further Information

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

Course structure

Full-time Course Structure

A program of research and investigation developed in conjunction with the Principal

Supervisor and approved by the Faculty Research Committee (Workload equivalent to 48 credit points per semester)

Part-time Course Structure

A program of research and investigation developed in conjunction with the Principal

Supervisor and approved by the Faculty Research Committee (Workload equivalent to 24 credit points per semester)

Potential Careers:

Business Analyst, Computer Games Developer, Data Communications Specialist, Database Manager, Electronic Commerce Developer, Internet Professional, Network Administrator, Network Manager, Programmer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer.

Master of Information Management (IT70)

Year offered: 2007

Admissions: Yes

CRICOS code: 053705F

Course duration (full-time): 3 semesters

Course duration (part-time): 6 semesters

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

Domestic fees (indicative): 2007: \$12480

International Fees (per semester): 2007:\$9,500 per semester (*subject to annual review*)

Domestic Entry: February, July - Part time only

International Entry: February

Assumed knowledge: See Entry Requirements

Total credit points: 144

Course coordinator: Dr Gillian Hallam

Campus: Gardens Point

Overview

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

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

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

The course offers the opportunity to specialise in the following areas:

- Library Studies
- Information & Knowledge Management
- Records Management
- Web Management

Graduate Outcomes

Graduates can expect to find employment in positions including:

Librarian, Information Manager, Knowledge Manager, Database Manager, Webmaster, Information Architect, Information Coordinator, Records Manager, Policy Officer, Research Analyst, Corporate Librarian, Information Services Manager, Bibliographer, Intranet Content Manager, Document Manager, Metadata Analyst, Metadata Development, Specialist Liaison Librarian, Database Manager, Information Broker, Community Information Officer, Cataloguer, Cybrarian, Digital Library Coordinator, Systems Librarian
Information Analyst, Law Librarian, Learning Resources Officer, Library Media Specialist, Strategic Information Manager, Technical Information Specialist

Entry requirements

Applicants must have:

a) Demonstrated competence in the basic skills and

concepts of personal or office computer usage; AND

b) a Bachelor's degree in a discipline other than library or information studies with a grade point average of at least 4.5 (7 point scale); OR
evidence of qualifications (for example Recognised Prior Learning) that satisfies the Dean of the Faculty that the applicant possesses the capacity to pursue the course of study combined with at least five years relevant full-time IT work experience.

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

Course structure

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

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

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

Professional Recognition

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

Further Information

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

IT70 - Master of Information Management - Full-time

Year 1, Semester 1

ITN201	Enterprise Architecture
ITN273	Information Retrieval
ITN274	Management Issues for Info Professionals
ITN362	Organisational Databases

Year 1, Semester 2

ITN275	Information Organisation
ITN276	Information Services
ITN266	Information Management Specialisation Unit 1

Year 2, Semester 1

ITN278	Web Content Reliability
ITN279	Information Literacy Education
ITN280	Professional Practice

INFORMATION TECHNOLOGY

Specialisation Unit 2
Students who choose to undertake ITS010 Cooperative Education Program substitute for ITN280.

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

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

IT70 - Master of Information Management - Part-time

Year 1, Semester 1

ITN273 Information Retrieval
ITN362 Organisational Databases

Year 1, Semester 2

ITN201 Enterprise Architecture
ITN266 Information Management

Year 2, Semester 1

ITN274 Management Issues for Info Professionals
Specialisation Unit 1

Year 2, Semester 2

ITN275 Information Organisation
ITN276 Information Services

Year 3, Semester 1

ITN278 Web Content Reliability
ITN279 Information Literacy Education

Year 3, Semester 2

ITN280 Professional Practice
Specialisation Unit 2
Students who choose to undertake ITS010 Cooperative Education Program substitutes for ITN280.

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

Library Studies

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

Information and Knowledge Management

Records Management

ITN315 Information Management Project
ITN319 Records Systems

Web Management

ITN007 Web Development
ITN239 Enterprise Data Mining
ITN315 Information Management Project

IT70 - Master of Information Management Specialisation Lists

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

Library Studies

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

Information and Knowledge Management

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

Records Management

ITN315 Information Management Project
ITN319 Records Systems

Web Management

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

Potential Careers:

Administrator, Information Officer, Librarian.

Graduate Certificate in Information Management (Library Studies) (IT73)

Year offered: 2007

Admissions: Yes

Course duration (part-time): 2 semesters

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

Domestic fees (indicative): 2007: \$12480

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

Domestic Entry: February and July

Assumed knowledge: See Entry Requirements

Total credit points: 48

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

Campus: Gardens Point

Overview

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

Graduate Outcomes

Graduates can expect to find employment as:

Librarian, Community Information Officer, Cataloguer, Research Analyst, Information Services Manager, Business Information Specialist, Information Broker, Corporate Librarian, Liaison Librarian, Digital Library Coordinator, Law Librarian, Learning Resources Officer, Library Media Specialist

Entry Requirements

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

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

Further information

Please visit www.fit.qut.edu.au

Email fit.enquiry@qut.edu.au

Phone 07 3864 2782

IT73 Graduate Certificate in Information Management (Library Studies)

Core Units

ITN279 Information Literacy Education

ITN315 Information Management Project

OR

ITN280 Professional Practice

Choose two (2) units from the following:

ITN276 Information Services

ITN316 Digital Library Systems

ITN317 Advanced Information Services

ITN318 Information Organisation 2

ITN320 Law Library Management

ITN321 Law Librarianship - Legal Research

CLN601 Cyberlearning: Information and Knowledge in the Digital Age

CLN603 Designing Spaces for Learning

CLN647 Youth, Popular Culture, and Texts

HHB123 Indigenous Australian Culture Studies

EDB007 Culture Studies: Indigenous Education

SPN624 Adult and Professional Learning

Potential Careers:

Librarian.

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

Year offered: 2007

Admissions: Yes

Course duration (part-time): 2 semesters

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

Domestic fees (indicative): 2007: \$12480

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

Domestic Entry: February and July

Assumed knowledge: See Entry Requirements

Total credit points: 48

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

Campus: Gardens Point

Overview

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

Graduate Outcomes

Graduates can expect to find employment as:

Knowledge Manager, Information Manager, Metadata Analyst, Metadata Development Specialist, Information Architect, Policy Officer, Document Manager, Document Analyst, Database Manager, Information Analyst, Strategic Information Manager

Entry Requirements

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

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

Further Information

Please visit www.fit.qut.edu.au

Email fit.enquiry@qut.edu.au

Phone 07 3864 2782

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

Core Units

ITN255 Knowledge Management

SPN637 Managing Knowledge in Learning Organisations

ITN315 Information Management Project

OR

ITN280 Professional Practice

Choose one unit from the following

ITN201 Enterprise Architecture

ITN266 Information Management

Potential Careers:

Librarian.

Graduate Certificate in Information Management (Records Management) (IT75)

Year offered: 2007

Admissions: Yes

Course duration (part-time): 2 semesters

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

Domestic fees (indicative): 2007 Full fee tuition \$12480

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

Domestic Entry: February and July

Assumed knowledge: See Entry Requirements

Total credit points: 48

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

Campus: Gardens Point

Overview

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

Graduate Outcomes

Graduates can expect to find employment as:

Records Manager, Document Manager, Information Analyst, Information Manager, Metadata Analyst, Metadata Development Specialist

Entry Requirements

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

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

Further Information

Please visit www.fit.qut.edu.au

Email fit.enquiry@qut.edu.au

Phone 07 3864 2782

IT75 Graduate Certificate in Information Management (Records Management)

Core Units

ITN319 Records Systems

ITN266 Information Management

ITN280 Professional Practice

OR

ITN315 Information Management Project

Choose one unit from the following

ITN255 Knowledge Management

ITN278 Web Content Reliability

ITN362 Organisational Databases

Potential Careers:

Librarian.

Graduate Certificate in Information Management (Web Management) (IT76)

Year offered: 2007

Admissions: Yes

Course duration (part-time): 2 semesters

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

Domestic fees (indicative): 2007: \$12480

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

Domestic Entry: February and July

Assumed knowledge: See Entry Requirements

Total credit points: 48

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

Campus: Gardens Point

Overview

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

Graduate Outcomes

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

Entry Requirements

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

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

Further Information

Please visit www.fit.qut.edu.au

Email fit.enquiry@qut.edu.au

Phone 07 3864 2782

IT76 Graduate Certificate in Information Management (Web Management)

Core Units

ITN278 Web Content Management

ITN315 Information Management Project

OR

ITN280 Professional Practice

Choose two (2) units from the following

ITN007 Web Development

ITN201 Enterprise Architecture

ITN239 Enterprise Data Mining

ITN362 Organisational Databases

Potential Careers:

Librarian.

Graduate Certificate in Information Technology (Wireless Games Technology) (IT89)

Year offered: 2007

Admissions: Yes

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

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

Domestic fees (indicative): 2007: \$12480

Domestic Entry: February and July

Assumed knowledge: See Entry Requirements

Total credit points: 48

Course coordinator: Hamish Bentley

Campus: Gardens Point

ITN254	Interactivity Design
ITN720	Internet Protocols and Services
ITN723	Wireless and Mobile Networks
ITN742	Computational Intelligence
ITN745	Operating Systems
ITN746	Modelling and Animation Techniques

Overview

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

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

Entry Requirements

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

Course Structure

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

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

Graduate Certificates are offered part-time only.

Further Information

Please visit www.fit.qut.edu.au

Email fit.enquiry@qut.edu.au

Phone 07 3864 2782

IT89 - Graduate Certificate in IT (Wireless Games Technology)

Four (4) units to be selected from the following

Graduate Certificate in Information Technology (Computer Networks) (IT90)

Year offered: 2007

Admissions: Yes

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

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

Domestic fees (indicative): 2007: \$12480

Domestic Entry: February and July

Assumed knowledge: See Entry Requirements

Total credit points: 48

Course coordinator: Hamish Bentley

Campus: Gardens Point

Overview

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

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

Entry Requirements

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

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

Course Structure

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

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

The programs are offered part-time only.

Further information

Please visit www.fit.qut.edu.au

Email fit.enquiry@qut.edu.au

Phone 07 3864 2782

IT90 Graduate Certificate in IT (Computer Networks)

Core

ITN720	Internet Protocols and Services
ITN721	Computer Network Administration

Select 2 units from the following

ITN723	Wireless and Mobile Networks
ITN771	Advanced Network Management
ITS701	Ccna 1 & 2: Internetworking and Routing Basics
ITS702	Ccna 3 & 4: Switching and Wide Area Networking
ITS703	Ccnp 1: Advanced Routing
ITS704	Ccnp 2: Remote Access Networks
ITS705	Ccnp 3: Multilayer Switching
ITS706	Ccnp 4: Network Troubleshooting
ITS707-1	Securing Cisco Hardware
ITS707-2	Securing Cisco Hardware

Graduate Certificate in Information Technology (Information Security) (IT92)

Year offered: 2007

Admissions: Yes

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

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

Domestic fees (indicative): 2007: \$12480

Domestic Entry: February and July

Assumed knowledge: See entry requirements

Total credit points: 48

Course coordinator: Hamish Bentley

Campus: Gardens Point

Overview

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

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

Entry requirements

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

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

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

Course Structure

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

Further Information

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

IT92 Grad Cert in Information Technology (Information Security)

Four (4) units to be selected from the following

ITN730	Information Security Fundamentals
ITN731	Security Technologies
ITN732	Cryptology and Protocols
ITN733	Network Security
ITN765	SEDC Special Topic 5
ITN773	Trusted Systems

Potential Careers:

Data Communications Specialist, Internet Professional, Network Administrator, Network Manager.

Graduate Certificate in Information Technology (Enterprise Wide Software) (IT93)

Year offered: 2007

Admissions: Yes

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

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

Domestic fees (indicative): 2007: \$12480

Domestic Entry: February and July

Assumed knowledge: See Entry Requirements

Total credit points: 48

Course coordinator: Hamish Bentley

Campus: Gardens Point

Four (4) units to be selected from the following

ITN228	Enterprise Systems
ITN233	Enterprise Systems Applications
ITN245	R/3 Systems Administration
ITN253	Case Studies In Enterprise Systems
ITN298	Process Engineering

Overview

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

Entry requirements

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

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

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

Course Structure

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

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

Further Information

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

IT93 - Graduate Certificate in IT (Enterprise Wide Software)

Graduate Certificate in Information Technology (Electronic Commerce) (IT94)

Year offered: 2007

Admissions: Yes

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

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

Domestic fees (indicative): 2007: \$12480

Domestic Entry: February and July

Assumed knowledge: See Entry Requirements

Total credit points: 48

Course coordinator: Hamish Bentley

Campus: Gardens Point

ITN229	Database Design
ITN260	E-Commerce Site Development
ITN295	XML: Data and Document Processing
ITN730	Information Security Fundamentals

Overview

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

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

Entry Requirements

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

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

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

Course Structure

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

Further Information

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

IT94 - Graduate Certificate in IT (Electronic Commerce)

Four (4) units to be selected from the following

ITN007 Web Development

Graduate Certificate in Information Technology (Project) (IT95)

Year offered: 2007

Admissions: Yes

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

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

Domestic fees (indicative): 2007: \$12480

Domestic Entry: February and July

Assumed knowledge: See Entry Requirements

Total credit points: 48

Course coordinator: Hamish Bentley

Campus: Gardens Point

Further Information

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

IT95 - Graduate Certificate in IT (Project)

One (1) unit to be selected from the following

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

Potential Careers:

Data Communications Specialist, Internet Professional, Network Administrator, Network Manager, Programmer, Software Engineer, Systems Analyst, Systems Manager, Systems Programmer.

Graduate Certificate in Information Technology (Information Technology Management) (IT96)

Year offered: 2007

Admissions: Yes

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

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

Domestic fees (indicative): 2007: \$12480

Domestic Entry: February and July

Assumed knowledge: See Entry Requirements

Total credit points: 48

Course coordinator: Hamish Bentley

Campus: Gardens Point

Four (4) units to be selected from the following

ITN241	Information Technology Management
ITN255	Knowledge Management
ITB264	Information Systems Consulting
ITN266	Information Management
ITN272	Information Technology Project Management

Overview

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

Entry Requirements

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

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

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

Course Structure

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

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

Further Information

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

IT96 - Graduate Certificate in IT (Information Technology Management)

Graduate Certificate in Information Technology (Multimedia) (IT98)

Year offered: 2007

Admissions: Yes

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

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

Domestic fees (indicative): 2007: \$12480

Domestic Entry: February and July

Assumed knowledge: See Entry Requirements

Total credit points: 48

Course coordinator: Hamish Bentley

Campus: Gardens Point

Overview

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

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

Entry Requirements

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

Assumed skills: Familiarity with programming and database.

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

Course Structure

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

Further Information

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

IT98 - Graduate Certificate in IT (Multimedia)

Four (4) units to be selected from the following

ITN007 Web Development

ITB254 Interaction Design

ITN257 Multimedia Systems

ITN259 Advanced Multimedia Systems

Graduate Certificate in Information Technology (Component Software and Web Services) (IT99)

Year offered: 2007

Admissions: Yes

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

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

Domestic fees (indicative): 2007: \$12480

Domestic Entry: February and July

Assumed knowledge: See Entry Requirements

Total credit points: 48

Course coordinator: Hamish Bentley

Campus: Gardens Point

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

Overview

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

Entry Requirements

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

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

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

Course Structure

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

Further Information

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

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

Four (4) units to be selected from the following

ITN295 XML: Data and Document Processing

Bachelor of Engineering (Software Engineering) (IX25)

Year offered: 2007

Admissions: Yes

CRICOS code: 053707D

Course duration (full-time): 4 years

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

Domestic fees (indicative): 2007: Full fee tuition \$20,160; CSP \$6,855

International Fees (per semester): 2007: \$10,000 per semester (*subject to annual review*)

Domestic Entry: February

International Entry: February

QTAC code: 419502; Dfee: 419506

Past rank cut-off: 78; Dfee: 73

Past OP cut-off: 11; Dfee: 13

OP Guarantee: Yes

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

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

Total credit points: 384

Standard credit points per full-time semester: 48

Course coordinator: Dr R.Mahalinga-lyer

Discipline coordinator: Dr Ed Palmer

Campus: Gardens Point

Recommended Study

Chemistry, Maths C and Physics

Career outcomes

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

Overview

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

Professional Recognition

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

Special course requirements

Students are required to complete 60 days approved industrial experience.

Further Information

Faculty of Built Environment and Engineering Phone +61 7 3864 1993, Fax +61 7 3864 1516, email: bee.enquiries@qut.edu.au

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

Deferment

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

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

Find out more on deferment.

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

Year 1 - Semester 1

BEB100	Introducing Professional Learning
ITB001	Problem Solving and Programming
MAB180	Engineering Mathematics 1B OR
MAB131	Engineering Mathematics 1A
PCB136	Engineering Physics 1C

Year 1 - Semester 2

BEB200	Introducing Sustainability
ENB103	Electrical Engineering
ITB003	Object Oriented Programming
MAB132	Engineering Mathematics 2A OR
MAB182	Engineering Mathematics 2B null

Year 2 - Semester 1

ENB240	Introduction To Electronics
ENB242	Introduction To Telecommunications
ITB004	Database Systems
MAB233	Engineering Mathematics 3

Year 2 - Semester 2

INFORMATION TECHNOLOGY

ENB243	Linear Circuits and Systems
ENB244	Microprocessors and Digital Systems
ITB006	Networks
ITB007	Web Development

Year 3 - Semester 1

EEB512	Industrial Electronics and Digital Design
EEB566	Real-Time Computer-Based Systems
EEB585	Systems Engineering Design
ITB720	Internet Protocols and Services

Year 3 - Semester 2

EEB666	Communication Environments for Embedded Systems
EEB685	Advanced Systems Design
ITB009	Core Project Initiation
ITB715	Web Services

Year 4 - Semester 1

EEB781	Professional Studies 2
ITB844-1	Project OR
EEB782-1	Systems Project IT Elective Elective

Year 4 - Semester 2

ITB844-2	Project OR
EEB782-2	Systems Project IT Elective Elective Elective

Note:

* This course is subject to University approval

Students are required to undertake five electives as follows: One General Elective, two from Electrical Engineering and two from Information Technology.

Students who opt to complete the Cooperative Education Program will substitute ITS010 for ITB613

General Elective

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

Electrical Engineering electives (Two to be selected)

EEB992	VLSI Circuits and Systems
EEP104	Real-Time Operating Systems
EEP120	Networks and Distributed Computing

EEP123	Process Control and Robotics
EEP129	Image Processing and Computer Vision

Information Technology electives (Two to be selected)

ITB713	Advanced Java Programming
ITB716	Advanced Web Applications Development
ITB743	Artificial Intelligence
ITB745	Operating Systems
ITB746	Modelling and Animation Techniques
ITB747	Real Time Rendering Techniques

Potential Careers:

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

Bachelor of Applied Science / Bachelor of Information Technology (IX26)

Year offered: 2007

Admissions: Yes

CRICOS code: 020327M

Course duration (full-time): 4 years

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

Domestic fees (indicative): 2007: Full fee tuition \$20,160; CSP \$7,118

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

Domestic Entry: February

QTAC code: 419302; Dfee: 419306

Past rank cut-off: 72; Dfee: 68

Past OP cut-off: 13; Dfee: 15

OP Guarantee: Yes

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

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

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

Campus: Gardens Point

Professional Recognition

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

Course Design

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

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

Cooperative Education Program

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

departments, Dialog, TABQ, RACQ and Sun Microsystems.

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

Deferment

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

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

Find out more on deferment.

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

Year 1, Semester 1

ITB002	IT Professional Studies
ITB005	Systems Architecture
	Science Core Unit
	Science Core Unit

Year 1, Semester 2

ITB004	Database Systems
ITB006	Networks
	Science Core Unit
	Science Core Unit

Year 2, Semester 1

ITB001	Problem Solving and Programming
ITB008	Modelling Analysis and Design
	Science Core Unit
	Science Major Unit

Year 2, Semester 2

ITB003	Object Oriented Programming
ITB007	Web Development
	Science Core Unit
	Science Major Unit

Year 3, Semester 1

	IT Major Unit
	IT Major Unit
	Science Major Unit
	Science Major Unit

Year 3, Semester 2

ITB009	Core Project Initiation
	IT Major Unit
	Science Major Unit

Science Major Unit

ITB255 Knowledge Management

Year 4, Semester 1

ITB010 Core Project Implementation
IT Major Unit
Science Major Unit
Science Major Unit

ITB266 Information Management
ITB267 Business Analytics
ITB272 Information Technology Project Management
ITB294 Information Quality
ITB322 Information Resources

Year 4, Semester 2

IT Major Unit
IT Major Unit
Science Major Unit
Science Major Unit

Information and Knowledge Management Major

Please contact the Course Coordinator for enrolment advice

Business Systems Engineering Major

Compulsory Units

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

Electronic Business Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218 Applications Programming
ITB223 Software Development with ORACLE
ITB230 Project
ITB237 Advanced Databases
ITB245 R/3 System Administration
ITB255 Knowledge Management
ITB266 Information Management
ITB267 Business Analytics
ITB272 Information Technology Project Management
ITB294 Information Quality
ITB322 Information Resources

Games Technology Major

Compulsory Units

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

Databases Major

Compulsory Units

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

Information Technology Management Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218 Applications Programming
ITB223 Software Development with ORACLE
ITB230 Project
ITB237 Advanced Databases
ITB245 R/3 System Administration

IS Elective Units

Select two (2) units from the following list

ITB218 Applications Programming
ITB223 Software Development with ORACLE
ITB230 Project
ITB237 Advanced Databases
ITB245 R/3 System Administration
ITB255 Knowledge Management
ITB266 Information Management
ITB267 Business Analytics
ITB272 Information Technology Project Management
ITB294 Information Quality

ITB322 Information Resources

Intelligent Systems Major

Compulsory Units

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

Elective Units

Select two (2) units from the following list

ITB322 Information Resources
 ITB710 Fundamentals of Computer Science
 ITB715 Web Services
 ITB742 Computational Intelligence
 ITB743 Artificial Intelligence

Information Systems Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218 Applications Programming
 ITB223 Software Development with ORACLE
 ITB230 Project
 ITB237 Advanced Databases
 ITB266 Information Management
 ITB267 Business Analytics
 ITB322 Information Resources

Interactive Media Major

Compulsory Units

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

Elective Units

Select one (1) unit from the following list

KIB103 Media Technology 1
 KIB105 Animation and Motion Graphics
 KIB108 Animation Practices

Network Systems Major

Compulsory Units

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

Elective Units

Select three (3) units from the following list

ITB710 Fundamentals of Computer Science
 ITB723 Wireless and Mobile Devices
 ITB745 Operating Systems
 ITS701 Ccna 1 & 2: Internetworking and Routing Basics
 ITS702 Ccna 3 & 4: Switching and Wide Area Networking

Security Major

Compulsory Units

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

Software Architecture Major

Compulsory Units

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

Web Services and Applications Major

Compulsory Units

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

Course structure - Major in Biochemistry

Year 1, Semester 1

LSB118 Life Science
 Either
 PCB140 Introductory Chemistry
 Or
 PCB142 Chemistry 1

INFORMATION TECHNOLOGY

Year 1, Semester 2

LSB238 Cell and Molecular Biology 1

PCB242 Chemistry 2

Year 2, Semester 1

MAB101 Statistical Data Analysis 1

PCB101 Physical Science

Year 2, Semester 2

LSB258 Principles of Human Physiology

NRB270 Animal and Plant Structure and Function

Year 3, Semester 1

LSB308 Biochemistry

LSB338 Cell and Molecular Biology 2

Year 3, Semester 2

LSB408 Metabolism

LSB468 Molecular Biology

Year 4, Semester 1

LSB508 Advanced Metabolism

LSB527 Biomedical Research Technologies

Year 4, Semester 2

LSB607 Protein Purification

LSB608 Protein Science

Course structure - Major in Biotechnology

Year 1, Semester 1

LSB118 Life Science

Either

PCB140 Introductory Chemistry

Or

PCB142 Chemistry 1

Year 1, Semester 2

LSB238 Cell and Molecular Biology 1

PCB242 Chemistry 2

Year 2, Semester 1

MAB101 Statistical Data Analysis 1

PCB101 Physical Science

Year 2, Semester 2

LSB258 Principles of Human Physiology

NRB270 Animal and Plant Structure and Function

Year 3, Semester 1

LSB308 Biochemistry

LSB338 Cell and Molecular Biology 2

Year 3, Semester 2

LSB468 Molecular Biology

LSB469 Introduction to Genomics and Bioinformatics

Year 4, Semester 1

LSB537 Genetic Engineering

Either

LSB509 Medical Biotechnology 1

Or

LSB577 Plant Biotechnology 1

Year 4, Semester 2

LSB619 Genomics and Bioinformatics

Either

LSB609 Medical Biotechnology 2

Or

LSB677 Plant Biotechnology 2

Course structure - Major in Chemistry

Year 1, Semester 1

MAB100 Mathematical Sciences 1A

Either

PCB140 Introductory Chemistry

Or

PCB142 Chemistry 1

Year 1, Semester 2

MAB101 Statistical Data Analysis 1

PCB242 Chemistry 2

Year 2, Semester 1

LSB118 Life Science

PCB101 Physical Science

Year 2, Semester 2

PCB150 Physics 1H

PCB200 Chemical Technology 1

Year 3, Semester 1

PCB334 Inorganic Chemistry

PCB354 Structure and Mechanism in Organic Chemistry

Year 3, Semester 2

PCB405 Principles of Physical Chemistry

PCB444 Spectroscopy

Year 4, Semester 1

PCB505 Advanced Physical Chemistry

PCB554 Synthesis and Reactivity in Organic Chemistry

Year 4, Semester 2

PCB634 Organometallic and Coordination Chemistry

PCB604 Either
Project
Or

PCB644 Frontiers in Chemistry

Course structure - Major in Ecology

Year 1, Semester 1

LSB118 Life Science
NRB100 Environmental Science

Year 1, Semester 2

MAB101 Statistical Data Analysis 1
NRB270 Animal and Plant Structure and Function

Year 2, Semester 1

NRB230 Planet Earth
PCB101 Physical Science

Year 2, Semester 2

LSB238 Cell and Molecular Biology 1
NRB240 History of Life on Earth

Year 3, Semester 1

NRB301 Earth Surface Systems
NRB311 Population Ecology

Year 3, Semester 2

NRB410 Genetics and Evolution
NRB412 Experimental Design

Year 4, Semester 1

NRB510 Population Genetics
NRB511 Population Management

Year 4, Semester 2

NRB610 Ecological Applications
NRB611 Conservation Biology

Course structure - Major in Environmental Science

Year 1, Semester 1

LSB118 Life Science
NRB100 Environmental Science

Year 1, Semester 2

MAB101 Statistical Data Analysis 1
NRB270 Animal and Plant Structure and Function

Year 2, Semester 1

NRB230 Planet Earth
PCB101 Physical Science

Year 2, Semester 2

NRB240 History of Life on Earth
PCB142 Chemistry 1

Year 3, Semester 1

NRB301 Earth Surface Systems
NRB311 Population Ecology

Year 3, Semester 2

NRB412 Experimental Design
NRB440 Environmental Chemistry

Year 4, Semester 1

NRB500 Environmental Systems and Modelling
NRB601 Field Mapping and Monitoring of Natural Resources

Year 4, Semester 2

NRB501 Spatial Analysis of Environmental Systems
NRB600 Sustainable Environmental Management

Course structure - Major in Forensic Science

Year 1, Semester 1

LSB118 Life Science
Either
PCB140 Introductory Chemistry
Or
PCB142 Chemistry 1

Year 1, Semester 2

MAB101 Statistical Data Analysis 1
PCB242 Chemistry 2

Year 2, Semester 1

MAB100 Mathematical Sciences 1A
PCB101 Physical Science

Year 2, Semester 2

LSB238 Cell and Molecular Biology 1
LSB258 Principles of Human Physiology

Year 3, Semester 1

LSB468 Molecular Biology
SCB384 Forensic Science

Year 3, Semester 2

JSB979 Forensic Scientific Evidence
PCB414 Industrial and Environmental Analytical Chemistry

Year 4, Semester 1

PCB514 Instrumental Analysis
PCB584 Forensic Examination of Physical Evidence

Year 4, Semester 2

LSB684 Forensic DNA Profiling
PCB684 Forensic Analysis and Toxicology

Course structure - Major in Geoscience

Year 1, Semester 1

NRB100 Environmental Science
NRB230 Planet Earth

Year 1, Semester 2

MAB101 Statistical Data Analysis 1
PCB142 Chemistry 1

Year 2, Semester 1

MAB100 Mathematical Sciences 1A
PCB101 Physical Science

Year 2, Semester 2

LSB118 Life Science
NRB240 History of Life on Earth

Year 3, Semester 1

NRB301 Earth Surface Systems
NRB333 Mineralogy

Year 3, Semester 2

NRB434 Structural Geology
NRB436 Introduction to Igneous and Metamorphic Petrology

Year 4, Semester 1

Two units selected from:

NRB534 Geophysics
NRB536 Petrology and Geochemistry
NRB601 Field Mapping and Monitoring of Natural Resources

Year 4, Semester 2

Two units selected from:

NRB633 Hydrogeology
NRB635 Plate Tectonics and Advanced Structural Geology
NRB636 Petroleum Geology and Basin Analysis

Course structure - Major in Microbiology

Year 1, Semester 1

LSB118 Life Science
Either
PCB140 Introductory Chemistry
Or
PCB142 Chemistry 1

Year 1, Semester 2

LSB238 Cell and Molecular Biology 1
PCB242 Chemistry 2

Year 2, Semester 1

MAB101 Statistical Data Analysis 1
PCB101 Physical Science

Year 2, Semester 2

LSB258 Principles of Human Physiology
NRB270 Animal and Plant Structure and Function

Year 3, Semester 1

LSB308 Biochemistry
LSB328 Microbiology 1

Year 3, Semester 2

LSB428 Microbiology 2
LSB468 Molecular Biology

Year 4, Semester 1

Two units selected from:

LSB528 Environmental Microbiology
LSB547 Bacterial Pathogenesis and Disease Diagnosis
LSB568 Electron Microscopy
LSB578 Virology

Year 4, Semester 2

Two units selected from:

LSB628 Food Microbiology
LSB647 Clinical Mycology and Parasitology
LSB648 Molecular Microbiology

Course structure - Major in Physics

Year 1, Semester 1

MAB111 Mathematical Sciences 1B
PCB101 Physical Science

Year 1, Semester 2

MAB112 Mathematical Sciences 1C
SCB222 Exploration of the Universe

Year 2, Semester 1

MAB311 Advanced Calculus
PCB107 Physics and Quantitative Techniques

Year 2, Semester 2

PCB250 Physics 1
PCB260 Physics 1A

Year 3, Semester 1

PCB361 AC Theory and Electronics

PCB362 Physics 2

Year 3, Semester 2

PCB460 Instrumentation and Computational Methods

PCB462 Thermodynamics and Solid State Physics

Year 4, Semester 1

PCB561 Quantum and Condensed Matter Physics

PCB562 Physical Methods of Analysis

Year 4, Semester 2

PCB661 Experimental Physics

PCB665 Physics 3

Minors Unit Sets**You can pick from x of these**

ASF001 Australian Studies 1

PYB159 Alcohol & Other Drug Studies

BSD117 Professional Communication and Negotiation

HMB317 Outdoor Education

There is more

Potential Careers:

Analytical Chemist, Astrophysicist, Biochemist, Biologist, Biotechnologist, Chemist, Chemist Industrial, Coastal Scientist, Conservation Biologist, Data Communications Specialist, Ecologist, Environmental Scientist, Forensic Scientist, Geologist, Geophysicist, Geoscientist, Health Physicist, Hydrogeologist, Immunologist, Industrial Chemist, Laboratory Technician (Chemistry), Marine Scientist, Medical Biotechnologist, Medical Physicist, Microbiologist, Molecular Biologist, Natural Resource Scientist, Network Administrator, Network Manager, Physicist, Plant Biotechnologist, Population Ecologist, Software Engineer, Systems Analyst, Virologist.

Bachelor of Creative Industries / Bachelor of Information Technology (IX27)

Year offered: 2007

Admissions: Yes

CRICOS code: 059227E

Course duration (full-time): 4 years

Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: \$160 per credit point (*subject to annual review*)

Domestic fees (indicative): 2007:\$15360

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

Domestic Entry: February

International Entry: February

QTAC code: 409872

Past rank cut-off: 10

Past OP cut-off: 80

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

Preparatory studies: MATHS: QUT unit Preparatory Mathematics as a visiting student or **Total credit points:** 384

Standard credit points per full-time semester: 48

Course coordinator: IT: Ms Ruth Christie; Creative Industries: Head, Undergraduate Studies (ugenq.ci@qut.edu.au)

Campus: Gardens Point and Kelvin Grove

General

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

Career Outcomes

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

Additional Entry Requirements (for the majors below)

In addition to meeting the cut-off applicants who wish to study one of the following Creative Industries majors below must also pass the additional entry requirement listed below. Please note registrations to attend an audition or

submission of portfolio as well as submission of additional materials to QUT have closed for 2006. Late registrations and submissions will not be accepted.

Music: Audition. Closed on 01 September 2006.

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

OP Guarantee

The OP Guarantee does not apply to this course.

Deferment

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

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

Find out more on deferment.

Domestic student tuition fee (Dfee) places

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

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

Year 1, Semester 1

ITB002	IT Professional Studies
ITB005	Systems Architecture
	Creative Industries Faculty Unit
	Creative Industries Faculty Unit

Year 1, Semester 2

ITB004	Database Systems
ITB006	Networks
	Creative Industries Faculty Unit
	Creative Industries Faculty Unit

Year 2, Semester 1

ITB001	Problem Solving and Programming
ITB008	Modelling Analysis and Design
	Creative Industries Faculty Unit
	Creative Industries Faculty Unit

Year 2, Semester 2

ITB003	Object Oriented Programming
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ITB007 Web Development
Creative Industries Faculty Unit
Creative Industries Faculty Unit

Creative Industries Elective
Sub-Major 2

Year 3, Semester 1

ITB009 Core Project Initiation
IT Major Unit
Creative Industries Faculty Unit
Creative Industries Faculty Unit

Year 4, Semester 1

ITB010 Core Project Implementation
IT Major Unit
Creative Industries Faculty Unit
Creative Industries Faculty Unit

Year 4, Semester 2

IT Major Unit
IT Major Unit
Creative Industries Faculty Unit
Creative Industries Faculty Unit

Course structure for Interdisciplinary major

Year 1, Semester 1

Creative Industries Core Unit
Sub-Major 1

Year 1, Semester 2

Creative Industries Core Unit
Sub-Major 1

Year 2, Semester 1

Sub-Major 1
Sub-Major 2

Year 2, Semester 2

Sub-Major 1
Sub-Major 2

Year 3, Semester 1

Sub-Major 1
Sub-Major 2

Year 3, Semester 2

Sub-Major 1
Sub-Major 2

Year 4, Semester 1

Creative Industries Elective
Sub-Major 2

Year 4, Semester 2

Please note: At least eight of your sub-major units must be K-coded units

Course structure for Music major

Year 1, Semester 1

Creative Industries Core Unit
KMB003 Sex Drugs Rock 'n' roll
OR
KMB005-1 Group Music

Year 1, Semester 2

Creative Industries Core Unit
KMB105 Music and Sound Technology
The following unit to be taken if KMB005-1
Group Music completed in semester 1:
KMB005-2 Group Music

Year 2, Semester 1

KMB130 Core Musicianship 1
KMB110 Music Production 1
OR
KMB120 Music Performance 1

Year 2, Semester 2

KMB131 Core Musicianship 2
KMB111 Music Production 2
OR
KMB121 Music Performance 2

Year 3, Semester 1

Music Elective
KMB214-1 Music and Sound: Principal Study A

Year 3, Semester 2

Music Elective
KMB214-2 Music and Sound: Principal Study A

Year 4, Semester 1

Creative Industries Elective
Music Elective

Year 4, Semester 2

Creative Industries Elective
Music Elective

Course structure for Communication Design major

Year 1, Semester 1

Creative Industries Core Unit
KIB101 Foundations of Communication Design 1

Year 1, Semester 2

Creative Industries Core Unit

KIB102 Foundations of Communication Design 2

Year 2, Semester 1

Creative Industries Elective

KIB103 Media Technology 1

Year 2, Semester 2

Creative Industries Elective

KIB104 Media Technology 2

Year 3, Semester 1

KIB210 Design Studio 1: Interaction Design

Year 3, Semester 2

KIB211 Design Studio 2: Web Development

Year 4, Semester 1

KIB310 Design Studio 3: Virtual Environments

Year 4, Semester 2

KIB311 Design Studio 4: Tangible Media

Course structure for Sound Design major

Year 1, Semester 1

Creative Industries Core Unit

KMB105 Music and Sound Technology

Year 1, Semester 2

Creative Industries Core Unit

KMB106 Music and Sound for Multimedia

Year 2, Semester 1

KMB104 Music and Sound Skills

KMB110 Music Production 1

Year 2, Semester 2

KMB107 Sound, Image, Text

KMB111 Music Production 2

Year 3, Semester 1

Sound Design Elective

KMB214-1 Music and Sound: Principal Study A

Year 3, Semester 2

KMB205 Sound Media Musicianship

KMB214-2 Music and Sound: Principal Study A

Year 4, Semester 1

Creative Industries Elective

KKB290 Supervised Group Project

Year 4, Semester 2

Creative Industries Elective

Sound Design Elective

Business Systems Engineering Major

Compulsory Units

ITB222 Systems Analysis and Design

ITB228 Enterprise Systems

ITB245 R/3 System Administration

ITB298 Business Process Engineering

IS Elective Units

Select two (2) units from the following list

ITB218 Applications Programming

ITB223 Software Development with ORACLE

ITB230 Project

ITB237 Advanced Databases

ITB245 R/3 System Administration

ITB255 Knowledge Management

ITB266 Information Management

ITB267 Business Analytics

ITB272 Information Technology Project Management

ITB294 Information Quality

ITB322 Information Resources

Databases Major

Compulsory Units

ITB229 Database Design

ITB232 Database Management

ITB239 Enterprise Data Mining

ITB295 XML: Data and Document Processing

IS Elective Units

Select two (2) units from the following list

ITB218 Applications Programming

ITB223 Software Development with ORACLE

ITB230 Project

ITB237 Advanced Databases

ITB245 R/3 System Administration

ITB255 Knowledge Management

ITB266 Information Management

ITB267 Business Analytics

ITB272 Information Technology Project Management

ITB294 Information Quality

ITB322 Information Resources

Electronic Business Major

Compulsory Units

INFORMATION TECHNOLOGY

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

Games Technology Major

Compulsory Units

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

Information and Knowledge Management Major

Please contact the Course Coordinator for enrolment advice

Information Technology Management Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB230	Project
ITB237	Advanced Databases
ITB245	R/3 System Administration
ITB255	Knowledge Management
ITB266	Information Management
ITB267	Business Analytics
ITB272	Information Technology Project Management
ITB294	Information Quality
ITB322	Information Resources

Information Systems Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB230	Project
ITB237	Advanced Databases
ITB266	Information Management
ITB267	Business Analytics
ITB322	Information Resources

Intelligent Systems Major

Compulsory Units

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

Elective Units

Select two (2) units from the following list

ITB322	Information Resources
ITB710	Fundamentals of Computer Science
ITB715	Web Services
ITB742	Computational Intelligence
ITB743	Artificial Intelligence

Network Systems Major

Compulsory Units

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

Elective Units

Select three (3) units from the following list

ITB710	Fundamentals of Computer Science
ITB723	Wireless and Mobile Devices
ITB745	Operating Systems
ITS701	Ccna 1 & 2: Internetworking and Routing Basics
ITS702	Ccna 3 & 4: Switching and Wide Area Networking

Security Major

Compulsory Units

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

Software Architecture Major

Compulsory Units

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

Web Services and Applications Major

Compulsory Units

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

Creative Industries Core Units

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

Creative Industries Faculty Undergraduate Open Electives

Creative Industries Faculty Undergraduate Open Electives

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

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

* you cannot select a unit that forms part of the compulsory units of your course or the compulsory units of your chosen sub-major area.

* you must obey any elective rules as set out in your course requirements

* you must have successfully completed any pre/co-requisite units applicable

* the offering of elective units is subject to sufficient student enrolment numbers and staff availability

* some units are subject to quota restrictions

Semester 1

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

KCB103	Strategic Speech Communication
KCB201	Virtual Cultures
KCB302	Political Communication Dance Discipline
KDB105	Architecture of the Body
KDB108	World Dance
KDB110	Deconstructing Dance in History Fashion Discipline
KFB103	Introduction to Fashion Design Journalism Discipline
KJB101	Journalism Information Systems
KJB120	Newsriting
KJB121	Journalistic Inquiry
KJB224	Feature Writing
KJB239	Journalism Ethics and Issues Faculty
KKB004	Indigenous Creative Industries
KKB290	Supervised Group Project
KKB357	Independent Study
KKB320	Workplace Learning
KKB330	Workplace Learning
KKB340-1	Workplace Learning
KKB340-2	Workplace Learning Music & Sound Discipline
KMB003	Sex Drugs Rock 'n' roll
KMB004	World Music
KMB104	Introductory Musicianship
KMB105	Music and Sound Technology
KMB108	Sound Recording and Acoustics
KMB204	Music and Sound Textures Film & Television Discipline
KPB102	Film History
KPB106	Australian Television
KPB108	Media Text Analysis
KPB203	Australian Film
KPB303	Critical Thinking About Television Performance Studies Discipline
KTB061	Creative Industries Management
KTB062	Creative Industries Events and Festivals
KTB101	20th Century Performance
KTB204	Understanding Performance
KTB306	Directing for Events and Festivals Visual Arts Discipline
KVB102	Modernism
KVB104	Photomedia and Artistic Practice
KVB110	2D Media and Processes
KVB212	Australian Art, Architecture and Design

INFORMATION TECHNOLOGY

KVB304	Contemporary Art Issues Creative Writing & Cultural Studies Discipline	KMB108	Sound Recording and Acoustics Film & Television Discipline
KWB001	Introduction to Literary Theory and Cultural Studies	KPB103	Film Genres
KWB003	Modern Times (Literature and Culture in the 20th Century)	KPB104	Film and Television Production Resource Management
KWB005	Wonderlands: Literature and Culture in the 19th Century	KPB107	Television Genres
KWB101	Introduction to Creative Writing	KPB205	Documentary Theory and Practice
KWB102	Media Writing	KPB206	International Cinema Performance Studies Discipline
KWB103	Persuasive Writing	KTB062	Creative Industries Events and Festivals
KWB104	Creative Writing: The Short Story	KTB104	Performance Innovation
KWB105	Film and Television Scriptwriting	KTB207	Staging Australia Visual Arts Discipline
KWB107	Introduction to Creative Non-Fiction	KVB103	Australian Art
Semester 2		KVB104	Photomedia and Artistic Practice
	Media & Communication Discipline	KVB108	Contemporary Asian Visual Culture
KCB101	Communication in the New Economy	KVB211	Post 1945 Art
KCB103	Strategic Speech Communication	KVB306	Video Art and Culture
KCB104	Media and Communications Industries	KVB307	Theories of Spatial Culture Creative Writing & Cultural Studies Discipline
KCB105	Media and Communication Research Methods	KWB002	Ozlit
KCB202	New Media Technologies	KWB004	Shakespeare, Then and Now
KCB203	Consumer Cultures Dance Discipline	KWB006	Popular Fictions, Popular Culture
KDB106	Dance Analysis	KWB007	Indigenous Writing
KDB109	Funk, Tap and all that Jazz	KWB102	Media Writing
KDB204	Australian Dance Faculty	KWB104	Creative Writing: The Short Story
KKB004	Indigenous Creative Industries	KWB105	Film and Television Scriptwriting
KKB290	Supervised Group Project	KWB106	Corporate Writing and Editing
KKB357	Independent Study	KWB204	Creative Non-Fiction: Life Writing
KKB320	Workplace Learning	KWB206	Youth and Children's Writing
KKB330	Workplace Learning	NOTES:	
KKB340-1	Workplace Learning	* Only one Workplace Learning unit may be completed	
KKB340-2	Workplace Learning Fashion Discipline	* KKB290, KKB357, KKB320, KKB330, KKB340-1 and KKB340-2 are only available to students enrolled in Creative Industries courses.	
KFB105	Fashion and Modernity Journalism Discipline	Potential Careers:	
KJB101	Journalism Information Systems	Advertising Professional, Animator, Arts Administrator, Composer, Computer Game Programmer, Computer Games Developer, Creative Writer, D.J, Digital Composer, Film Composer, Film/Television Producer, Information Officer, Information Security Specialist, Internet Professional, Journalist, Marketing Officer/Manager, Media Industry Specialist, Multimedia Designer, Music Agent/Manager, Music Publisher, Music Sampler, Music Teacher, Music Technologist, Musical Director, Musician, Organisational Communication Specialist, Public Relations Officer/Consultant, Publishing Professional, Recording Engineer, Song Writer, Sound and Music Producer, Sound Designer, Sound/Audio Engineer, Web Designer.	
KJB120	Newsriting		
KJB121	Journalistic Inquiry		
KJB224	Feature Writing		
KJB280	International Journalism		
KJB337	Public Affairs Reporting Music & Sound Discipline		
KMB002	Music and Spirituality		
KMB007	Introductory Ensemble		
KMB105	Music and Sound Technology		
KMB107	Sound and Image		

Bachelor of Information Technology / Bachelor of Mathematics (IX29)

Year offered: 2007

Admissions: Yes

CRICOS code: 059226F

Course duration (full-time): 4 years

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

Domestic fees (indicative): 2007: Full fee tuition \$20,160; CSP \$7,118

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

Domestic Entry: February

International Entry: February

QTAC code: 419552; Dfee: 419556

Past rank cut-off: 70. Dfee places were not offered last year.

Past OP cut-off: 14. Dfee places were not offered last year.

OP Guarantee: Yes

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

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

Total credit points: 384

Course coordinator: Professor Helen MacGillivray (Science), Ms Ruth Christie (IT)

Discipline coordinator: Dr Gary Carter (Mathematics)

Campus: Gardens Point

Professional Recognition

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

Course Design

This double degree comprises 384 credit points with 192 credit points from Information Technology and 192 credit points from Mathematics. All majors in the Bachelor of Information Technology are available.

Cooperative Education Program

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

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

Mathematics Bursaries

Students enrolled in this course can apply for industry-sponsored bursaries. These bursaries are awarded to Australian citizens or permanent residents on a competitive basis. Applications should be submitted by 1 December of the year preceding entry to the course. For further information see www.maths.qut.edu.au

Contact Details

Information Technology Coordinator

Ms Ruth Christie

Phone: +61 7 3138 2736

Email: r.christie@qut.edu.au

Science Coordinator

Professor Helen MacGillivray

Phone: +61 7 3138 2337

Email: h.macgillivray@qut.edu.au

Associate Course Coordinator

Mathematics

Dr Gary Carter

Phone: +61 7 3138 5090

Email: g.carter@qut.edu.au

Deferment

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

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

Find out more on deferment.

Course Structure for students with four semesters of Senior Mathematics B and Senior Mathematics C

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

Year 1, Semester 1

ITB002 IT Professional Studies

ITB005 Systems Architecture

MAB111 Mathematical Sciences 1B

MAB112 Mathematical Sciences 1C

Year 1, Semester 2

ITB004 Database Systems

ITB006 Networks

MAB210 Statistical Modelling 1

MAB220 Computational Mathematics 1

INFORMATION TECHNOLOGY

Year 2, Semester 1

ITB001	Problem Solving and Programming
ITB008	Modelling Analysis and Design
MAB101	Statistical Data Analysis 1
MAB312	Linear Algebra

Year 2, Semester 2

ITB003	Object Oriented Programming
ITB007	Web Development
	Level 2 or 3 Maths Unit
	Level 2 or 3 Maths Unit

Year 3, Semester 1

	IT Major Unit
	IT Major Unit
MAB311	Advanced Calculus
	Level 2 or 3 Maths unit

Year 3, Semester 2

ITB009	Core Project Initiation
	IT Major Unit
	Level 2 or 3 Maths Unit
	Level 2 or 3 Maths Unit

Year 4, Semester 1

ITB010	Core Project Implementation
	IT Major Unit
	Level 2 or 3 Maths Unit
	Level 2 or 3 Maths Unit

Year 4, Semester 2

	IT Major Unit
	IT Major Unit
	Level 2 or 3 Maths Unit
	Level 2 or 3 Maths Unit

Course Structure for students with four semesters of Senior Mathematics B (or equivalent) only

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

Year 1, Semester 1

ITB002	IT Professional Studies
ITB005	Systems Architecture
MAB100	Mathematical Sciences 1A
MAB101	Statistical Data Analysis 1

Year 1, Semester 2

ITB004	Database Systems
ITB006	Networks

MAB111	Mathematical Sciences 1B
MAB112	Mathematical Sciences 1C

Year 2, Semester 1

ITB001	Problem Solving and Programming
ITB008	Modelling Analysis and Design
MAB220	Computational Mathematics 1
MAB312	Linear Algebra

Year 2, Semester 2

ITB003	Object Oriented Programming
ITB007	Web Development
MAB210	Statistical Modelling 1
	Level 2 or 3 Maths Unit

Year 3, Semester 1

	IT Major Unit
	IT Major Unit
MAB311	Advanced Calculus
	Level 2 or 3 Maths unit

Year 3, Semester 2

ITB009	Core Project Initiation
	IT Major Unit
	Level 2 or 3 Maths Unit
	Level 2 or 3 Maths Unit

Year 4, Semester 1

ITB010	Core Project Implementation
	IT Major Unit
	Level 2 or 3 Maths Unit
	Level 2 or 3 Maths Unit

Year 4, Semester 2

	IT Major Unit
	IT Major Unit
	Level 2 or 3 Maths Unit
	Level 2 or 3 Maths Unit

Mathematics Units

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

Level 2 Units

MAB311	Advanced Calculus
MAB312	Linear Algebra
MAB313	Mathematics of Finance
MAB314	Statistical Modelling 2
MAB315	Operations Research 2
MAB413	Differential Equations
MAB414	Applied Statistics 2

INFORMATION TECHNOLOGY

MAB420	Computational Mathematics 2
MAB422	Mathematical Modelling
MAB480	Introduction to Scientific Computation
MAB481	Visualisation and Data Analysis

Level 3 Units

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

Notes:

In 2008, MAB313 Mathematics of Finance will be offered in Semester 2 and MAB315 Operations Research 2 will be offered in Semester 1.

MAB523 Introduction to Quality Management and MAB621 Discrete Mathematics do not contribute to the mandatory 48 credit points minimum from Level 3 Mathematics units.

All Mathematics units have 4 contact hours per week.

Business Systems Engineering Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB230	Project
ITB237	Advanced Databases
ITB245	R/3 System Administration
ITB255	Knowledge Management
ITB266	Information Management
ITB267	Business Analytics
ITB272	Information Technology Project Management

ITB294	Information Quality
ITB322	Information Resources

Databases Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB230	Project
ITB237	Advanced Databases
ITB245	R/3 System Administration
ITB255	Knowledge Management
ITB266	Information Management
ITB267	Business Analytics
ITB272	Information Technology Project Management
ITB294	Information Quality
ITB322	Information Resources

Electronic Business Major

Compulsory Units

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

Games Technology Major

Compulsory Units

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

Information and Knowledge Management Major

Please contact the Course Coordinator for enrolment advice

Information Systems Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB230	Project
ITB237	Advanced Databases
ITB266	Information Management
ITB267	Business Analytics
ITB322	Information Resources

Information Technology Management Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB230	Project
ITB237	Advanced Databases
ITB245	R/3 System Administration
ITB255	Knowledge Management
ITB266	Information Management
ITB267	Business Analytics
ITB272	Information Technology Project Management
ITB294	Information Quality
ITB322	Information Resources

Intelligent Systems Major

Compulsory Units

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

Elective Units

Select two (2) units from the following list

ITB322	Information Resources
ITB710	Fundamentals of Computer Science
ITB715	Web Services
ITB742	Computational Intelligence
ITB743	Artificial Intelligence

Interactive Media Major

Compulsory Units

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

Elective Units

Select one (1) unit from the following list

KIB103	Media Technology 1
KIB105	Animation and Motion Graphics
KIB108	Animation Practices

Network Systems Major

Compulsory Units

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

Elective Units

Select three (3) units from the following list

ITB710	Fundamentals of Computer Science
ITB723	Wireless and Mobile Devices
ITB745	Operating Systems
ITS701	Ccna 1 & 2: Internetworking and Routing Basics
ITS702	Ccna 3 & 4: Switching and Wide Area Networking

Security Major

Compulsory Units

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

Software Architecture Major

Compulsory Units

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

Web Services and Applications Major

Compulsory Units

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

Potential Careers:

Actuary, Computer Game Programmer, Data Communications Specialist, Database Manager, Market Research Manager, Mathematician, Network Administrator, Network Manager, Programmer, Quantitative Analyst, Software Engineer, Statistician, Systems Analyst.

Bachelor of Business/Bachelor of Information Technology (IX33)

Year offered: 2007

Admissions: Yes

CRICOS code: 059595C

Course duration (full-time): 4 years

Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: \$160 per credit point (*subject to annual review*)

Domestic fees (indicative): 2007:\$15360

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

Domestic Entry: February

International Entry: February

QTAC code: 419202; Dfee: 419206

Past rank cut-off: 75; Dfee: 70

Past OP cut-off: 12; Dfee: 14

OP Guarantee: Yes

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

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

Course coordinator: Ruth Christie (InfoTech); Mr Andrew Paltridge (Business)

Discipline coordinator: Dr John Sweeting (Accountancy); Ms Gayle Kerr (Advertising); Dr John Chen (Banking & Finance); Dr Radhika Lahiri (Economics); Ms Sherrena Buckby (Electronic Business); Dr Paul Barnes (Human Resource Management); Mr Simon Ridings (International Business); Dr Paul Barnes (Management); Mr Bill Proud (Marketing); and Ms Robina Xavier (Public Relations).

Campus: Gardens Point

Overview

This double degree will give you a broad base of commercial knowledge in business and information technology, making you more attractive to employers, even if you wish to work predominantly in an information technology position. You will have the opportunity to complement your information technology studies with a business major in accountancy, advertising, banking and finance, economics, electronic business, human resource management, international business, management, marketing or public relations.

You will combine your business studies with an information technology major of your choice. Possible combinations include banking and finance with security, management with business systems engineering, or marketing with information and knowledge management.

Cooperative Education Program

The Coop Ed Program is a joint venture between employers and the Faculty of IT giving you the opportunity of 10-12 months paid industry placement to better prepare you for employment after you graduate. The Coop Ed Program

integrates formal study and professional experience, so you can apply what you're learning in an area relevant to your chosen path.

Some of the organisations our Coop Ed students have worked with are the Australian Tax Office, Boeing Australia, CITEC, Department of Natural Resources and Water, Dialog, EPA, Queensland Police, RACQ and UNiTAB Limited.

For more information about the Faculty's Cooperative Education Program, please visit www.fit.qut.edu.au/future/cooped.jsp

Career Outcomes

Business graduates work in diverse roles in the private and public sectors in areas such as accountancy, advertising, banking and finance, economics, electronic business, human resource management, international business, management, marketing and public relations. A graduate of the Bachelor of Information Technology may find employment as a programmer, systems manager, systems designer, systems analyst, computer sales and marketing consultant or data processing manager.

Professional recognition

The Bachelor of Business degree may, subject to choice of major, extended major, or specialisation, allow graduates to satisfy the academic requirements for membership as follows:

- *All majors: Chartered Secretaries Australia (CSA) - enrolment in the Graduate Diploma in Applied Corporate Governance.
- *Accountancy: CPA Australia (associate membership & enrolment in the CPA Program), Institute of Chartered Accountants in Australia (ICAA)(enrolment in the CA Program).
- *Advertising - Advertising Federation of Australia, Australian Association of National Advertisers, Australian Direct Marketing Association and the Queensland Commercial Radio Association;
- *Banking and Finance: Australasian Institute of Banking and Finance (AIBF).
- *Economics: Economic Society of Australia (Queensland Division).
- *Human Resource Management - Australian Human Resources Institute, Australian Institute of Training and Development, Australian Institute of Management;
- *International Business - Australian Institute of Export;
- *Management - Australian Institute of Management;
- *Marketing: Australian Marketing Institute, Market Research Society of Australia, Australian Institute of Management, Australian Institute of Export (Qld) Ltd, American Marketing Association.
- *Public Relations - Public Relations Institute of Australia.

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

Course Design

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Business program and 192 credit points from the Bachelor of Information Technology program.

IX33 - Bachelor of Business/Bachelor of Information Technology Course structure

Year 1, Semester 1

ITB002	IT Professional Studies
ITB005	Systems Architecture
BBUS	Business Faculty Core Unit
BBUS	Business Faculty Core Unit

Year 1, Semester 2

ITB004	Database Systems
ITB006	Networks
BBUS	Business Faculty Core Unit
BBUS	Business Faculty Core Unit

Year 2, Semester 1

ITB001	Problem Solving and Programming
ITB008	Modelling Analysis and Design
BBUS	Business Faculty Core Unit
BBUS	Business Faculty Core Unit

Year 2, Semester 2

ITB003	Object Oriented Programming
ITB007	Web Development
BBUS	Business Unit
BBUS	Business Unit

Year 3, Semester 1

	IT Major Unit
	IT Major Unit
BBUS	Business Faculty Core Unit
BBUS	Business Faculty Core Unit

Year 3 Semester 2

ITB009	Core Project Initiation
	IT Major Unit
BBUS	Business Faculty Major Unit
BBUS	Business Faculty Major Unit

Year 4, Semester 1

ITB010	Core Project Implementation
	IT Major Unit
BBUS	Business Faculty Major Unit
BBUS	Business Faculty Major Unit

Year 4, Semester 2

IT Major Unit

IT Major Unit

BBUS Business Faculty Major Unit

BBUS Business Faculty Major Unit

Advertising Major

Year 1 Semester 1

BSB122	Quantitative Analysis and Finance
BSB126	Marketing

Year 1 Semester 2

BSB110	Accounting
BSB115	Management, People and Organisations

Year 2 Semester 1

BSB114	Government, Business and Society
BSB119	International and Electronic Business

Year 2 Semester 2

BSB111	Business Law and Ethics
BSB113	Economics

Year 3 Semester 1

AMB200	Consumer Behaviour
AMB220	Advertising Theory and Practice

Year 3 Semester 2

AMB221	Advertising Copywriting
AMB222	Media Planning

Year 4 Semester 1

AMB320	Advertising Management
AMB330	Advertising Strategy and Planning

Year 4 Semester 2

AMB321	Advertising Campaigns
AMB202	Integrated Marketing Communication

Public Relations Major

Year 1 Semester 1

BSB122	Quantitative Analysis and Finance
BSB126	Marketing

Year 1 Semester 2

BSB110	Accounting
BSB115	Management, People and Organisations

Year 2 Semester 1

BSB114	Government, Business and Society
BSB119	International and Electronic Business

Year 2 Semester 2

BSB111	Business Law and Ethics
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BSB113 Economics

Year 3 Semester 1

AMB201 Marketing and Audience Research
 AMB260 Public Relations Theory and Practice

Year 3 Semester 2

AMB261 Media Relations and Publicity
 AMB262 Public Relations Writing

Year 4 Semester 1

AMB360 Corporate Communication Management
 AMB370 Public Relations Cases

Year 4 Semester 2

AMB361 Public Relations Campaigns
 AMB371 Corporate Communication Strategies

Accountancy Major

Year 1 Semester 1

BSB110 Accounting
 BSB115 Management, People and Organisations

Year 1 Semester 2

BSB122 Quantitative Analysis and Finance
 BSB114 Government, Business and Society

Year 2 Semester 1

BSB111 Business Law and Ethics
 BSB113 Economics

Year 2 Semester 2

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
 AYB325 Taxation Law

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

Electronic Business Major

Year 1 Semester 1

BSB115 Management, People and Organisations
 BSB119 International and Electronic Business

Year 1 Semester 2

BSB114 Government, Business and Society
 BSB126 Marketing

Year 2 Semester 1

BSB110 Accounting
 BSB111 Business Law and Ethics

Year 2 Semester 2

BSB113 Economics
 BSB122 Quantitative Analysis and Finance

Year 3 Semester 1

BSB212 Electronic Business Applications
 ITB233 Enterprise Systems Applications

Year 3 Semester 2

BSB213 Governance Issues in E-Business
 ITB823 Web Sites For Electronic Commerce

Year 4 Semester 1

MGB334 Managing in a Changing Environment
 AYB221 Computerised Accounting Systems

Year 4 Semester 2

ITB239 Enterprise Data Mining
 BSB314 E-Business Intelligence

Banking and Finance Major

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

BSB110 Accounting
 BSB111 Business Law and Ethics

Year 2 Semester 2

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

EFB102 Economics 2
EFB307 Finance 2

Year 4 Semester 1

EFB200 Applied Regression Analysis
EFB318 Portfolio and Security Analysis

Year 4 Semester 2

EFB312 International Finance
EFB201 Financial Markets

Economics Major

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

BSB110 Accounting
EFB102 Economics 2

Year 2 Semester 2

BSB122 Quantitative Analysis and Finance
BSB119 International and Electronic Business

Year 3 Semester 1

EFB211 Firms, Markets and Resources
EFB202 Business Cycles and Economic Growth

Year 3 Semester 2

EFB101 Data Analysis for Business
EFB328 Public Economics and Finance

Year 4 Semester 1

BSB111 Business Law and Ethics
EFB200 Applied Regression Analysis

Year 4 Semester 2

EFB329 Contemporary Applications of Economics Theory
EFB314 International Trade and Economic Competitiveness

Human Resource Management Major

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

BSB110 Accounting
BSB111 Business Law and Ethics

Year 2 Semester 2

BSB122 Quantitative Analysis and Finance
BSB119 International and Electronic Business

Year 3 Semester 1

MGB207 Human Resource Issues and Strategy
MGB220 Management Research Methods

Year 3 Semester 2

MGB211 Organisational Behaviour
HRM Option Unit

Year 4 Semester 1

MGB221 Performance and Reward
HRM Option Unit

Year 4 Semester 2

MGB320 Recruitment and Selection
MGB331 Training and Development

HRM Option Unit List:

MGB201 The Legal Context of Employment Relations
MGB209 Occupational Health and Safety Management
MGB224 Australian Industrial Relations
MGB304 Human Resource Information Management
MGB305 Human Resource Management Strategy and Policy
MGB314 Organisational Consulting and Change
MGB315 Personal and Professional Development
MGB325 Advanced Practice in Training and Development

HRM students must choose two from the above list (one must be a Level 3 unit).

Management Major

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

BSB110 Accounting

INFORMATION TECHNOLOGY

BSB111 Business Law and Ethics

Year 2 Semester 2

BSB122 Quantitative Analysis and Finance

BSB119 International and Electronic Business

Year 3 Semester 1

MGB220 Management Research Methods

MGB222 Managing Organisations

Year 3 Semester 2

MGB210 Production and Service Management

MGB211 Organisational Behaviour

Year 4 Semester 1

MGB334 Managing in a Changing Environment
Management Option Unit

Year 4 Semester 2

MGB309 Strategic Management
Management Option Unit

Management Option Unit List:

MGB216 Managing Technological Innovation in Global Business

MGB218 Venture Skills

MGB223 Creating New Enterprises

MGB312 Negotiation Skills

MGB315 Personal and Professional Development

MGB335 Project Management

Management students must choose three from the above list (one must be a Level 3 unit).

Marketing Major

Year 1 Semester 1

BSB122 Quantitative Analysis and Finance

BSB126 Marketing

Year 1 Semester 2

BSB110 Accounting

BSB115 Management, People and Organisations

Year 2 Semester 1

BSB114 Government, Business and Society

BSB119 International and Electronic Business

Year 2 Semester 2

BSB111 Business Law and Ethics

BSB113 Economics

Year 3 Semester 1

AMB200 Consumer Behaviour

AMB240 Marketing Planning and Management

Year 3 Semester 2

AMB201 Marketing and Audience Research

AMB241 E-Marketing Strategies

Year 4 Semester 1

AMB340 Services Marketing

AMB202 Integrated Marketing Communication

Year 4 Semester 2

AMB341 Strategic Marketing

AMB352 Marketing Decision Making

or

IBB213 International Marketing

International Business Major

Year 1 Semester 1

BSB119 International and Electronic Business

BSB126 Marketing

Year 1 Semester 2

BSB110 Accounting

BSB115 Management, People and Organisations

Year 2 Semester 1

BSB114 Government, Business and Society

BSB122 Quantitative Analysis and Finance

Year 2 Semester 2

BSB111 Business Law and Ethics

BSB113 Economics

Year 3 Semester 1

IBB202 Fundamentals of International Finance

IBB217 Asian Business Development

or

IBB208 European Business Development

Year 3 Semester 2

IBB210 Export Management

IBB317 Contemporary Business in Asia

or

IBB308 Contemporary Business in Europe

Year 4 Semester 1

IBB213 International Marketing

IBB205 Cross-Cultural Communication and Negotiation

Year 4 Semester 2

IBB300 International Business Strategy

IBB303 International Logistics

Business Systems Engineering Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB230	Project
ITB237	Advanced Databases
ITB245	R/3 System Administration
ITB255	Knowledge Management
ITB266	Information Management
ITB267	Business Analytics
ITB272	Information Technology Project Management
ITB294	Information Quality
ITB322	Information Resources

Databases Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB230	Project
ITB237	Advanced Databases
ITB245	R/3 System Administration
ITB255	Knowledge Management
ITB266	Information Management
ITB267	Business Analytics
ITB272	Information Technology Project Management
ITB294	Information Quality
ITB322	Information Resources

Electronic Business Major

Compulsory Units

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

BSB314	E-Business Intelligence
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Games Technology Major

Compulsory Units

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

Information and Knowledge Management Major

Please contact the Course Coordinator for enrolment advice

Information Systems Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB230	Project
ITB237	Advanced Databases
ITB266	Information Management
ITB267	Business Analytics
ITB322	Information Resources

Information Technology Management Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB230	Project
ITB237	Advanced Databases
ITB245	R/3 System Administration
ITB255	Knowledge Management
ITB266	Information Management
ITB267	Business Analytics

ITB272	Information Technology Project Management
ITB294	Information Quality
ITB322	Information Resources

Intelligent Systems Major

Compulsory Units

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

Elective Units

Select two (2) units from the following list

ITB322	Information Resources
ITB710	Fundamentals of Computer Science
ITB715	Web Services
ITB742	Computational Intelligence
ITB743	Artificial Intelligence

Interactive Media Major

Compulsory Units

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

Elective Units

Select one (1) unit from the following list

KIB103	Media Technology 1
KIB105	Animation and Motion Graphics
KIB108	Animation Practices

Network Systems Major

Compulsory Units

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

Elective Units

Select three (3) units from the following list

ITB710	Fundamentals of Computer Science
ITB723	Wireless and Mobile Devices
ITB745	Operating Systems
ITS701	Ccna 1 & 2: Internetworking and Routing Basics
ITS702	Ccna 3 & 4: Switching and Wide Area Networking

Security Major

Compulsory Units

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

Software Architecture Major

Compulsory Units

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

Web Services and Applications Major

Compulsory Units

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

Potential Careers:

Account Executive, Accountant, Actuary, Administrator, Advertising Professional, Banker, Banking and Finance Professional, Business Analyst, Certified Practising Accountant, Computer Games Developer, Computer Salesperson/Marketer, Corporate Secretary, Database Manager, Economist, Electronic Commerce Developer, Financial Advisor/Analyst, Financial Project Manager, Funds Manager, Government Officer, Human Resource Manager, Information Officer, Information Security Specialist, International Business Specialist, Internet Professional, Investment Manager, Manager, Marketing Officer/Manager, Multimedia Designer, Organisational Communication Specialist, Public Relations Officer/Consultant, Publishing Professional, Risk Manager, Stockbroker, Systems Analyst, Systems Manager, Systems Programmer, Systems Trainer, Technical Officer, Trainer, Web Designer.

Bachelor of Arts/Bachelor of Information Technology (IX49)

Year offered: 2007

Admissions: Yes

CRICOS code: 058282F

Course duration (full-time): 4 years

Domestic fees (per credit point): Commonwealth Supported Place; Full fee tuition 2007: \$160 per credit point (*subject to annual review*)

Domestic fees (indicative): 2007: Full fee tuition \$15,360; CSP \$6,664

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

Domestic Entry: February

International Entry: February

QTAC code: This course is no longer offered

Past rank cut-off: 73; Dfee: 68

Past OP cut-off: 13; Dfee: 15

OP Guarantee: Yes

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

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

Campus: Gardens Point and Carseldine

Course description

In this course students complete the requirements of two separate degrees in Arts and Information Technology in four years. The focus of the arts component is social change with an emphasis on understanding societies and the impact of global, social, environmental and technological change on communities and individuals. In the IT component, there is a strong practical component with computing laboratory based units and project work comprising a significant part of the course,

Majors in the Arts component

In the Bachelor of Arts, students choose an multidisciplinary major from one of the following: international and global studies, society and change, ethics and human rights, community studies, or Australian studies.

Majors in the IT component

In the Bachelor of Information Technology, students can choose to major in business systems engineering, data bases, electronic business, games technology, information and knowledge management, information systems, IT management, intelligent systems, interactive media, network systems, security, software architecture, or web services and applications.

Deferment

QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as

questionnaires, folios, auditions, prior study or work experience.

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

Find out more on deferment.

Career outcomes

Information technology professionals with a strong knowledge in languages, as well as deep understanding in areas such as international issues—particularly cultures, ethics and human rights—are highly valued by the information technology industry. The Arts component also provides students with a broad-based education and a range of transferable analytical, research and communication skills which will enrich studies in information technology and expand career choices.

COURSE OVERVIEW

YEAR 1 SEMESTER 1

ITB002	IT Professional Studies
ITB005	Systems Architecture
BA	null
BA	Discipline unit

YEAR 1 SEMESTER 2

ITB004	Database Systems
ITB006	Networks
BA	Skills unit
BA	Discipline unit

YEAR 2 SEMESTER 1

ITB001	Problem Solving and Programming
ITB008	Modelling Analysis and Design
BA	Major unit (elective)
BA	Discipline or Minor unit

YEAR 2 SEMESTER 2

ITB003	Object Oriented Programming
ITB007	Web Development
BA	Major unit (elective)
BA	Discipline or minor unit

YEAR 3 SEMESTER 1

	IT Major Unit
	IT Major Unit
BA	Major unit (elective)
BA	Discipline or Minor unit

YEAR 3 SEMESTER 2

ITB009	Core Project Initiation
	IT Major Unit
BA	Major unit (elective)

INFORMATION TECHNOLOGY

BA Discipline or Minor unit

YEAR 4 SEMESTER 1

ITB010 Core Project Implementation
IT Major Unit

BA Major unit (elective)

BA Elective unit

YEAR 4 SEMESTER 2

IT Major Unit

IT Major Unit

BA Major unit (elective)

BA Elective unit

ARTS UNITS

FOR A LIST OF ARTS UNITS IN THIS DOUBLE DEGREE REFER TO QUT BACHELOR OF ARTS SINGLE DEGREE

Business Systems Engineering Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218 Applications Programming
ITB223 Software Development with ORACLE
ITB230 Project
ITB237 Advanced Databases
ITB245 R/3 System Administration
ITB255 Knowledge Management
ITB266 Information Management
ITB267 Business Analytics
ITB272 Information Technology Project Management
ITB294 Information Quality
ITB322 Information Resources

Databases Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218 Applications Programming

ITB223 Software Development with ORACLE

ITB230 Project

ITB237 Advanced Databases

ITB245 R/3 System Administration

ITB255 Knowledge Management

ITB266 Information Management

ITB267 Business Analytics

ITB272 Information Technology Project Management

ITB294 Information Quality

ITB322 Information Resources

Games Technology Major

Compulsory Units

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

Information and Knowledge Management Major

Please contact the Course Coordinator for enrolment advice

Electronic Business Major

Compulsory Units

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

Information Systems Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218 Applications Programming
ITB223 Software Development with ORACLE
ITB230 Project
ITB237 Advanced Databases
ITB266 Information Management
ITB267 Business Analytics
ITB322 Information Resources

Information Technology Management Major

Compulsory Units

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

IS Elective Units

Select two (2) units from the following list

ITB218	Applications Programming
ITB223	Software Development with ORACLE
ITB230	Project
ITB237	Advanced Databases
ITB245	R/3 System Administration
ITB255	Knowledge Management
ITB266	Information Management
ITB267	Business Analytics
ITB272	Information Technology Project Management
ITB294	Information Quality
ITB322	Information Resources

Intelligent Systems Major

Compulsory Units

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

Elective Units

Select two (2) units from the following list

ITB322	Information Resources
ITB710	Fundamentals of Computer Science
ITB715	Web Services
ITB742	Computational Intelligence
ITB743	Artificial Intelligence

Interactive Media Major

Compulsory Units

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

Elective Units

Select one (1) unit from the following list

KIB103	Media Technology 1
KIB105	Animation and Motion Graphics
KIB108	Animation Practices

Network Systems Major

Compulsory Units

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

Elective Units

Select three (3) units from the following list

ITB710	Fundamentals of Computer Science
ITB723	Wireless and Mobile Devices
ITB745	Operating Systems
ITS701	Ccna 1 & 2: Internetworking and Routing Basics
ITS702	Ccna 3 & 4: Switching and Wide Area Networking

Security Major

Compulsory Units

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

Software Architecture Major

Compulsory Units

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

Web Services and Applications Major

Compulsory Units

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

Potential Careers:

Community Worker, Diplomat, Government Officer, Higher Education Worker, Information Officer, Policy Officer, Public Servant.

Graduate Certificate In Research Commercialisation (IX97)

Year offered: 2007

Admissions: Yes

CRICOS code: External

Course duration (full-time): 1 semesters. The course must be completed within a maximum time period of 4 years.

Course duration (part-time): 2 semesters. The course must be completed within a maximum period of 8 years.

Course duration (external): 2 semesters. The course must be completed within a maximum period of 8 years.

Domestic fees (per credit point): 2007: \$167 per credit point (*subject to annual review*)

Domestic fees (indicative): 2007: \$16,000

International Fees (per semester): 2007:\$12,000 per semester (*subject to annual review*)

Domestic Entry: 2 entry points per year

International Entry: 2 entry points per year

Course coordinator: Professor Rod Wissler

Campus: Internet

course structure

IFP100	Knowledge Transfer and Research Commercialisation (Core Unit)
IFP103	Public Policy and Research
IFP101	Leadership and Workplace Communication
IFP102	Project Management and Research
IFP104	Entrepreneurial Foundations

Potential Careers:

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.

International Visiting Students (NA05)

Year offered: 2007

Admissions: Yes

CRICOS code: Holders of valid visas

International Fees (per semester): 2007:\$2,500 per unit
(subject to annual review)

International Entry: February, July and November

Campus: Gardens Point, Kelvin Grove, Carseldine and External

International Visiting Students (NA06)

Year offered: 2007

Admissions: Yes

CRICOS code: Holders of valid visas only

International Fees (per semester): 2007 AUD\$2500 per unit (*subject to annual review*)

International Entry: February July and November

Campus: Gardens Point, Kelvin Grove and Carseldine

Foundation Program (1 Semester) (QC01)

Year offered: 2007

Admissions: Yes

CRICOS code: 003287M

Course duration (full-time): 1 semester

International Fees (per semester): 2007:\$6,750 per semester (*subject to annual review*)

International Entry: February, June and October

Total credit points: 60

Course coordinator: Scott Leisemann

Campus: Kelvin Grove

Entry Requirements- Academic

Successful completion of senior high school with the required grades.

Students who have attempted further schooling studies, eg GCE A-levels or equivalent may be considered for entry. Applications will be reviewed individually and applicants will need to meet subject prerequisites. Students can find more country specific entry requirements at the following web site. <http://www.international.qut.edu.au/apply/howtoapply/entryreqs/academic.jsp>

Entry Requirements - English Language

IELTS 6.0 with no sub-score less than 5.5 or TOEFL 550 (paper) or TOEFL 213 (CBT) or equivalent, or successful completion of the EAP program (N.B. Students should also check visa requirements).

Description

The Foundation Program, which has intakes in February, June and October, provides pathways to QUT award programs (Diploma or Degree). Graduates enjoy a high placement rate in undergraduate courses at QUT and other Australian universities. Successful completion guarantees a place in the first year of the relevant program in all QUT faculties. Small classes and dedicated staff provide an excellent learning environment while additional support is provided by Language and Welfare Advisers. Some students may need intensive English language preparation at the College's English Language Programs prior to entering a Foundation Program.

Progression

Conditions of progressing to a guaranteed place in first year of a QUT degree:

- i) fulfil the Foundation course requirements,
- ii) obtain a grade of 5 (Credit) in Communication 2 or an IELTS 6.5 or equivalent,
- iii) achieve the relevant faculty Grade Point Average (GPA) - this is calculated on final semester Level 2 units only.

Course completion

Students are required to gain **at least** a grade of 4 (Pass) in four units and a grade of 3 (Low Pass) in the remaining unit.

Required Foundation Grade Point Average by Faculty

- Built Environment - Required GPA 4.6
- Business - Required GPA 4.8
- Creative Industries - Required GPA 4.4
- Education - Required GPA 4.6
- Engineering (except Aerospace Avionics) - Required GPA 4.6
- Engineering - Aerospace Avionics - Required GPA 5.8
- Health (except Nutrition & Dietetics, Optometry, Psychology & Podiatry) - Required GPA 4.6
- Health - Nutrition & Dietetics - Required GPA 5.8
- Health - Optometry & Podiatry - Required GPA 5.8
- Health - Psychology - Required GPA 5.0
- Humanities and Human Services - Required GPA 4.2
- Information Technology - Required GPA 4.8
- Law (except Justice Studies) - Required GPA 4.8
- Law - Justice Studies - Required GPA 4.2
- Science (except Pharmacy) - Required GPA 4.6
- Science - Pharmacy - Required GPA 5.8

N.B. Grades in each unit are awarded on a scale from 1 to 7, with 7 being the highest.

QC01 - Foundation Program (Full Time course structure)

Semester One

- | | |
|--------|---|
| QCF212 | Communication 2 |
| QCF211 | Tertiary Preparation Studies 2 |
| QCF256 | Mathematics A2 |
| | OR |
| QCF257 | Mathematics B2 |
| | OR |
| QCF260 | Professional Studies
+ TWO ELECTIVES from the following list |
| QCF122 | Organisations And Management |
| QCF160 | Introduction to Creativity |
| QCF220 | Accounting 2 |
| QCF221 | Economics 2 |
| QCF254 | Physics |
| QCF255 | Chemistry |
| QCF210 | Applied Psychology |
| QCF230 | Information Processing |
| QCF252 | Life Science |
| QCF240 | Legal Studies |
- Note: QCF240 is offered subject to demand and may be offered in alternate semesters only.
- Note: QCF252 is only offered in ALTERNATE semesters.
- Note: In some semesters some elective units may not be offered if there is insufficient demand.

Potential Careers:

Academic, Account Executive, Accountant, Actor, Actuary, Administrator, Adult/Workplace Educator, Advertising

Professional, Aerospace Avionics Engineer, Aged Services Worker, Analytical Chemist, Animator, Architect, Art Project Manager, Art Writer, Artist, Arts Administrator, Astrophysicist, Band Leader, Banker, Banking and Finance Professional, Barrister, Biochemist, Bioengineer, Bioinformatician, Biologist, Biomechanical Engineer, Biomedical Engineer, Biotechnologist, Business Analyst, Certified Practising Accountant, Chemical Technologist, Chemist, Chemist Industrial, Child Care Professional, Child Protection Officer, Choreographer, Civil Engineer, Clinical Laboratory Scientist, Coastal Scientist, Community Corrections Officer, Community Education Officer, Community Health Officer, Community Worker, Composer, Computer Games Developer, Computer Salesperson/Marketer, Computer Systems Engineer, Conductor, Conservation Biologist, Construction Manager, Contract Administrator, Corporate Secretary, Corrective Services Officer, Counsellor, Creative Writer, Crown Law Officer, Curator, Customs Officer, D.J, Dance Teacher, Dancer, Data Communications Specialist, Database Manager, Digital Composer, Diplomat, Disability Services Worker, Drama Teacher, Early Childhood Teacher, Ecologist, Economist, Educator, Electrical and Computer Engineer, Electrical Engineer, Electronic Commerce Developer, Engineering Technologist, English Teacher, Environmental Engineer, Environmental Health Officer, Environmental Scientist, Estimator, Exchange Student, Exercise Physiologist, Facilities Manager, Family Services Officer, Fashion Designer, Fashion Professional, Film Composer, Film/Television Producer, Financial Advisor/Analyst, Financial Project Manager, Fitness Assessor/Personal Trainer, Forensic Scientist, Funds Manager, Geologist, Geophysicist, Geoscientist, Government Officer, Guidance Officer, Health Information Manager, Health Physicist, Health Services Manager, Higher Education Worker, Home Economist, Human Resource Developer, Human Resource Manager, Human Services Practitioner, Hydrogeologist, Immunologist, In-House Lawyer, Industrial Chemist, Industrial Designer, Information Officer, Information Security Specialist, Instrument Maker, Interior Designer, International Business Specialist, Internet Professional, Investigator, Investment Manager, Journalist, Kindergarten Teacher, Laboratory Technician (Chemistry), Landscape Architect, Librarian, Manager, Manufacturer, Mapping Scientist/Photogrammetrist, Marine Scientist, Marketing Officer/Manager, Mastering Engineer, Mathematician, Mechanical Engineer, Media Industry Specialist, Medical Biotechnologist, Medical Engineer, Medical Equipment Sales, Medical Imaging Technologist, Medical Physicist, Medical Scientist, Microbiologist, Molecular Biologist, Multimedia Designer, Music Agent/Manager, Music Publisher, Music Sampler, Music Teacher, Music Technologist, Musical Director, Musician, Natural Resource Scientist, Network Administrator, Network Manager, Nurse, Nutritionist/Dietitian, Occupational Health and Safety Officer, Optometrist, Organisational Communication Specialist, Pathology Scientist, Physicist, Plant Biotechnologist, Podiatrist, Police Officer (Australian Federal), Police Officer (State), Policy Officer, Population Ecologist, Preschool Teacher, Primary School Teacher, Programmer, Project Developer, Project Manager, Property Economist, Psychologist, Public Health Officer, Public

Relations Officer/Consultant, Public Servant, Publishing Professional, Quantitative Analyst, Quantity Surveyor, Radiation Therapist, Radiographer, Recording Engineer, Rehabilitation Engineer, Rehabilitation Professionals, Risk Manager, School Counsellor, Secondary School Teacher, Social Scientist, Sociologist, Software Engineer, Solicitor, Song Writer, Sonographer, Sound and Music Producer, Sound Designer, Sound/Audio Engineer, Sports Scientist, Stage Manager, Statistician, Stockbroker, Surveyor, Systems Analyst, Systems Manager, Systems Programmer, Systems Trainer, TAFE Teacher, Teacher, Technical Officer, TESOL Teacher, Theatre Professionals, Trainer, Translator, Urban and Regional Planner, Urban Designer, Virologist, Visual Artist, Visual Arts Teacher, Web Designer, Youth Worker.

Foundation Program (2 Semesters) (QC02)

Year offered: 2007

Admissions: Yes

CRICOS code: 003287M

Course duration (full-time): 2 semesters

International Fees (per semester): 2007:\$6,750 per semester (*subject to annual review*)

International Entry: February, June and October

Total credit points: 120

Standard credit points per full-time semester: 60

Course coordinator: Scott Leisemann

Campus: Kelvin Grove

Entry Requirements-Academic

Successful completion of senior high school with the required grades or successful completion of year 11 high school with very good grades. Students can find country specific entry requirements at the following web site. <http://www.international.qut.edu.au/apply/howtoapply/entryreqs/academic.jsp>

Entry Requirements - English Language

IELTS 5.5 with no sub-score less than 5.0 or TOEFL 525 (paper) or TOEFL 193 (CBT) or equivalent, or successful completion of the EAP program. (N.B. Students should also check visa requirements).

Description

The Foundation Program, which has intakes in February, June and October, provides pathways to QUT award programs (Diploma or Degree). Graduates enjoy a high placement rate in undergraduate courses at QUT and other Australian universities. Successful completion guarantees a place in the first year of the relevant program in all QUT faculties. Small classes and dedicated staff provide an excellent learning environment while additional support is provided by Language and Welfare Advisers. Some students may need intensive English language preparation at the College's English Language Programs prior to entering a Foundation Program.

Students who achieve excellent results in the first semester may have the opportunity to study up to two University Diploma units in their final semester for possible credit towards their degree course.

Course Completion

In order to complete course requirements, students must gain **at least** a grade of 4 (Pass) in nine units and one grade of 3 (Low Pass) in the remaining unit.

Required Foundation Grade Point Average by Faculty

Built Environment - Required GPA 4.6

Business - Required GPA 4.8

Creative Industries - Required GPA 4.4

Education - Required GPA 4.6

Engineering (except Aerospace Avionics) - Required GPA 4.6

Engineering - Aerospace Avionics - Required GPA 5.8

Health (except Nutrition & Dietetics, Optometry, Psychology

& Podiatry) - Required GPA 4.6

Health - Nutrition & Dietetics - Required GPA 5.8

Health - Optometry & Podiatry - Required GPA 5.8

Health - Psychology - Required GPA 5.0

Humanities and Human Services - Required GPA 4.2

Information Technology - Required GPA 4.8

Law (except Justice Studies) - Required GPA 4.8

Law - Justice Studies - Required GPA 4.2

Science (except Pharmacy) - Required GPA 4.6

Science - Pharmacy - Required GPA 5.8

N.B. Grades in each unit are awarded on a scale from 1 to 7, with 7 being the highest.

Progression

Conditions of progressing to a guaranteed place in first year of a QUT degree :

- i) fulfil the Foundation course requirements,
- ii) obtain a grade of 5 in Communication 2 or an IELTS 6.5 or equivalent,
- iii) achieve the relevant faculty Grade Point Average (GPA) - this is calculated on final semester Level 2 units only.

Students who do not meet requirements for a guaranteed place in either a QUT degree or University Diploma Program, may still be considered for entry by the relevant faculty.

New heading

New text

QC02 - Foundation Program

Semester One

QCF112	Communication 1
QCF111	Tertiary Preparation Studies 1
QCF156	Mathematics A1
	OR
QCF157	Mathematics B1
	+ TWO ELECTIVES from the following list
QCF115	Foundation English
QCF120	Accounting 1
QCF121	Economics 1
QCF122	Organisations And Management
QCF153	Physical Sciences 1
QCF160	Introduction to Creativity
QCF240	Legal Studies
QCF252	Life Science

Note: QCF240 is offered subject to demand and may be offered in alternate semesters only. Students should seek advice from the Course Coordinator.

Note: QCF252 is only offered in ALTERNATE semesters. Students should seek advice from the Course Coordinator.

Note: QCF115 is taught 4 hours / week in

13TP1 and only 3 hours / week in 13TP2 & 13TP3. There is no computing component in 13TP2 & 13TP3.

Note: In some semesters some elective units may not be offered if there is insufficient demand.

Semester Two

- QCF212 Communication 2
- QCF211 Tertiary Preparation Studies 2
- QCF256 Mathematics A2
OR
- QCF257 Mathematics B2
OR
- QCF260 Professional Studies
+TWO ELECTIVES from the following list
- QCF122 Organisations And Management
- QCF160 Introduction to Creativity
- QCF220 Accounting 2
- QCF221 Economics 2
- QCF254 Physics
- QCF255 Chemistry
- QCF210 Applied Psychology
- QCF230 Information Processing
- QCF240 Legal Studies
- QCF252 Life Science

Approved diploma units (Business, IT or Professional Communication students only). Diploma units can only be taken under special circumstances and with the approval of the Course Coordinator.

Note: QCF240 is offered subject to demand and may be offered in alternate semesters only. Students should seek advice from the Course Coordinator.

Note: QCF252 is only offered in ALTERNATE semesters. Students should seek advice from the Course Coordinator.

Note: In some semesters some elective units may not be offered if there is insufficient demand.

Potential Careers:

Academic, Account Executive, Accountant, Actor, Actuary, Administrator, Adult/Workplace Educator, Advertising Professional, Aerospace Avionics Engineer, Aged Services Worker, Analytical Chemist, Animator, Architect, Art Project Manager, Art Writer, Artist, Arts Administrator, Astrophysicist, Band Leader, Banker, Banking and Finance Professional, Barrister, Biochemist, Bioengineer, Bioinformatician, Biologist, Biomechanical Engineer, Biomedical Engineer, Biotechnologist, Biotechnologist, Business Analyst, Cell Biologist, Certified Practising Accountant, Chemical Technologist, Chemist, Chemist Industrial, Child Care Professional, Child Protection Officer, Choreographer, Civil Engineer, Clinical Laboratory Scientist, Coastal Scientist, Community Corrections Officer, Community Education Officer, Community Health Officer,

Community Worker, Composer, Computer Game Programmer, Computer Games Developer, Computer Salesperson/Marketer, Computer Systems Engineer, Conductor, Conservation Biologist, Construction Manager, Contract Administrator, Corporate Secretary, Corrective Services Officer, Counsellor, Creative Writer, Crown Law Officer, Curator, Customs Officer, D.J, Dance Teacher, Dancer, Data Communications Specialist, Database Manager, Digital Composer, Diplomat, Disability Services Worker, Drama Teacher, Early Childhood Teacher, Ecologist, Economist, Educator, Electrical and Computer Engineer, Electrical Contractor, Electrical Engineer, Electronic Commerce Developer, Engineering Technologist, English Teacher, Environmental Engineer, Environmental Health Officer, Environmental Scientist, Estimator, Exchange Student, Exercise Physiologist, Exploration Geologist, Facilities Manager, Family Services Officer, Fashion Designer, Fashion Professional, Film Composer, Film/Television Producer, Financial Advisor/Analyst, Financial Project Manager, Fitness Assessor/Personal Trainer, Forensic Biologist, Forensic Chemist, Forensic Scientist, Funds Manager, Geologist, Geophysicist, Geoscientist, Government Officer, Guidance Officer, Health Information Manager, Health Physicist, Health Services Manager, Higher Education Worker, Home Economist, Human Resource Developer, Human Resource Manager, Human Services Practitioner, Hydrogeologist, Immunologist, In-House Lawyer, Industrial Chemist, Industrial Designer, Information Officer, Information Security Specialist, Instrument Maker, Interior Designer, International Business Specialist, Internet Professional, Investigator, Investment Manager, Journalist, Kindergarten Teacher, Laboratory Technician (Chemistry), Landscape Architect, Librarian, Lighting Designer, Lighting Technician, Luminaire Designer, Manager, Manufacturer, Mapping Scientist/Photogrammetrist, Marine Scientist, Market Research Manager, Marketing Officer/Manager, Mastering Engineer, Mathematician, Mechanical Engineer, Media Industry Specialist, Medical Biotechnologist, Medical Engineer, Medical Equipment Sales, Medical Imaging Technologist, Medical Physicist, Medical Scientist, Microbiologist, Mine Geologist, Molecular Biologist, Multimedia Designer, Music Agent/Manager, Music Publisher, Music Sampler, Music Teacher, Music Technologist, Musical Director, Musician, Natural Resource Scientist, Network Administrator, Network Manager, Nurse, Nutritionist/Dietitian, Occupational Health and Safety Officer, Operations Manager, Optometrist, Organisational Communication Specialist, Pathology Scientist, Pharmaceutical Research Scientist, Physicist, Plant Biotechnologist, Podiatrist, Police Officer (Australian Federal), Police Officer (State), Policy Officer, Population Ecologist, Post-production specialist, Preschool Teacher, Primary School Teacher, Programmer, Project Developer, Project Manager, Property Development, Property Economist, Property Management, Psychologist, Public Health Officer, Public Relations Officer/Consultant, Public Servant, Publishing Professional, Quantitative Analyst, Quantity Surveyor, Radiation Therapist, Radiographer, Recording Engineer, Rehabilitation Engineer, Rehabilitation Professionals, Research and Development Chemist, Risk Manager, Sales Person, School Counsellor, Secondary School Teacher, Social Scientist, Sociologist, Software

Engineer, Solicitor, Song Writer, Sonographer, Sound and Music Producer, Sound Designer, Sound/Audio Engineer, Sports Scientist, Stage Manager, Statistician, Stockbroker, Surveyor, Systems Analyst, Systems Manager, Systems Programmer, Systems Trainer, TAFE Teacher, Teacher, Technical Officer, TESOL Teacher, Theatre Lighting, Theatre Professionals, Trainer, Translator, Urban and Regional Planner, Urban Designer, Virologist, Visual Artist, Visual Arts Teacher, Web Designer, Youth Worker.

Bridging Program (QC03)

Year offered: 2007

Admissions: Yes

CRICOS code: 003518A

Course duration (full-time): 1 semester

International Fees (per semester): 2007:\$6,750 per semester (*subject to annual review*)

International Entry: February, July and October

Total credit points: 48

Standard credit points per full-time semester: 48

Course coordinator: Scott Leisemann

Campus: Kelvin Grove

Entry Requirements - Academic

Students must have met the academic entry requirements for their proposed postgraduate or undergraduate course.

Entry Requirements- English Language

IELTS 6.0 with no sub-score less than 5.0 or TOEFL 550 (paper) or TOEFL 213 (CBT) or equivalent, or successful completion of the EAP program (N.B. Students should also check visa requirements).

Description

This program provides two alternative streams. Stream A is designed for students who have not met English and/or prerequisite requirements for their chosen undergraduate or postgraduate course. Most students may undertake one degree unit (for credit) whilst enrolled in a Bridging program. Those with advanced standing may be able to undertake two degree units. Stream B is for students who have met English requirements but not prerequisite requirement for their degree, or who may wish to improve the standard of their academic English. These students may take one or two degree units (for credit) whilst enrolled in the Bridging Program. Both streams include intensive preparation for academic language, lateral thinking, research and presentation skills required for successful tertiary study. Small classes and dedicated staff ensure an excellent learning environment. Additional support is provided by Language and Welfare Advisers.

Course Completion

Students undertaking three Bridging units must obtain at least a grade of 4 (Pass) in two units and a grade of 3 (Low Pass) in the remaining unit.

Students undertaking two Bridging units must obtain at least a grade of 4 (Pass) in one unit and a grade of 3 (Low Pass) in the remaining unit.

Progression

In order to progress to an award course, students must:

- i) fulfil the Bridging course requirements
- ii) gain a minimum grade of 4 (Pass) in Communication 2 or an IELTS 6.5 or equivalent,
- iii) meet any other conditions detailed in the 'letter of offer' from International Student Business Services.

QC03 - Bridging Program (Full Time course structure)

Stream A # (for those with IELTS 6.0)

QCD111 Communication 1

QCD211 Communication 2

QCS230 Computing

DEGREE UNIT

Undergraduate students will need to enrol in the units QCD110 and QCD210

Stream B (for those with IELTS 6.5)

QCD111 Communication 1

QCD211 Communication 2

DEGREE UNIT One

DEGREE UNIT Two

Undergraduate students will need to enrol in the units QCD110 and QCD210

Note

#If you have advanced standing, you may be able

to undertake two degree units during your Bridging Program

Potential Careers:

Academic, Account Executive, Accountant, Actor, Actuary, Administrator, Adult/Workplace Educator, Advertising Professional, Aerospace Avionics Engineer, Aged Services Worker, Analytical Chemist, Animator, Architect, Art Project Manager, Art Writer, Artist, Arts Administrator, Astrophysicist, Band Leader, Banker, Banking and Finance Professional, Barrister, Biochemist, Bioengineer, Bioinformatician, Biologist, Biomechanical Engineer, Biomedical Engineer, Biotechnologist, Business Analyst, Certified Practising Accountant, Chemical Technologist, Chemist, Chemist Industrial, Child Care Professional, Child Protection Officer, Choreographer, Civil Engineer, Clinical Laboratory Scientist, Coastal Scientist, Community Corrections Officer, Community Education Officer, Community Health Officer, Community Worker, Composer, Computer Games Developer, Computer Salesperson/Marketer, Computer Systems Engineer, Conductor, Conservation Biologist, Construction Manager, Contract Administrator, Corporate Secretary, Corrective Services Officer, Counsellor, Creative Writer, Crown Law Officer, Curator, Customs Officer, D.J, Dance Teacher, Dancer, Data Communications Specialist, Database Manager, Digital Composer, Diplomat, Disability Services Worker, Drama Teacher, Early Childhood Teacher, Ecologist, Economist, Educator, Electrical and Computer Engineer, Electrical Engineer, Electronic Commerce Developer, Engineering Technologist, English Teacher, Environmental Engineer, Environmental Health Officer, Environmental Scientist, Estimator, Exchange Student, Exercise Physiologist, Facilities Manager, Family Services Officer, Fashion Designer, Fashion Professional, Film Composer, Film/Television Producer, Financial Advisor/Analyst, Financial Project Manager, Fitness Assessor/Personal Trainer, Forensic Scientist, Funds Manager, Geologist, Geophysicist, Geoscientist,

Government Officer, Guidance Officer, Health Information Manager, Health Physicist, Health Services Manager, Higher Education Worker, Home Economist, Human Resource Developer, Human Resource Manager, Human Services Practitioner, Hydrogeologist, Immunologist, In-House Lawyer, Industrial Chemist, Industrial Designer, Information Officer, Information Security Specialist, Instrument Maker, Interior Designer, International Business Specialist, Internet Professional, Investigator, Investment Manager, Journalist, Kindergarten Teacher, Laboratory Technician (Chemistry), Landscape Architect, Librarian, Manager, Manufacturer, Mapping Scientist/Photogrammetrist, Marine Scientist, Marketing Officer/Manager, Mastering Engineer, Mathematician, Mechanical Engineer, Media Industry Specialist, Medical Biotechnologist, Medical Engineer, Medical Imaging Technologist, Medical Physicist, Medical Scientist, Microbiologist, Molecular Biologist, Multimedia Designer, Music Agent/Manager, Music Publisher, Music Sampler, Music Teacher, Music Technologist, Musical Director, Musician, Natural Resource Scientist, Network Administrator, Network Manager, Nurse, Nutritionist/Dietitian, Occupational Health and Safety Officer, Optometrist, Organisational Communication Specialist, Pathology Scientist, Physicist, Plant Biotechnologist, Podiatrist, Police Officer (Australian Federal), Police Officer (State), Policy Officer, Population Ecologist, Preschool Teacher, Primary School Teacher, Programmer, Project Developer, Project Manager, Property Economist, Psychologist, Public Health Officer, Public Relations Officer/Consultant, Public Servant, Publishing Professional, Quantitative Analyst, Quantity Surveyor, Radiation Therapist, Radiographer, Recording Engineer, Rehabilitation Engineer, Rehabilitation Professionals, Risk Manager, School Counsellor, Secondary School Teacher, Social Scientist, Sociologist, Software Engineer, Solicitor, Song Writer, Sonographer, Sound and Music Producer, Sound Designer, Sound/Audio Engineer, Sports Scientist, Stage Manager, Statistician, Stockbroker, Surveyor, Systems Analyst, Systems Manager, Systems Programmer, Systems Trainer, TAFE Teacher, Teacher, Technical Officer, TESOL Teacher, Theatre Professionals, Trainer, Translator, Urban and Regional Planner, Urban Designer, Virologist, Visual Artist, Visual Arts Teacher, Web Designer, Youth Worker.

Extended Foundation Program (3 Semesters) (QC04)

Year offered: 2007

Admissions: Yes

CRICOS code: 050167G

Course duration (full-time): 3 Semesters

International Fees (per semester): 2007:\$14,850 (full course fee) (*subject to annual review*)

International Entry: February

Total credit points: 132

Standard credit points per full-time semester: 13TP1 - 48CP, 13TP2 - 60CP, 13TP3 - 24CP

Course coordinator: Scott Leisemann

Campus: Kelvin Grove

Entry Requirements - Academic

Successful completion of senior high school with the required grades or successful completion of year 11 high school with very good grades. Students can find country specific entry requirements at the following web site. <http://www.international.qut.edu.au/apply/howtoapply/entryreqs/academic.jsp>

Entry Requirements - English Language

IELTS 5.5 with no sub-score less than 5.0 or TOEFL 525 (paper) or TOEFL 193 (CBT) or equivalent, or successful completion of the EAP program. (N.B. Students should also check visa requirements).

Description

The Extended Foundation Program (QC04), which has an intake in February, provides pathways to QUT award programs (Diploma or Degree). This pathway is designed for students who require additional support with language and adjustment to the Australian educational environment. Successful completion guarantees a place in the first year of the relevant program in all QUT faculties. Small classes and dedicated staff provide an excellent learning environment while additional support is provided by Language and Welfare Advisers.

Students who achieve excellent results in the first semester may have the opportunity to study up to two University Diploma units in their second semester for credit towards their degree course.

Course Completion

In order to complete the course requirements, students must gain **at least** a grade of 4 (Pass) in ten units, one grade of 3 (Low Pass), and a S (Satisfactory) in Foundation English.

Progression

Conditions of progressing to a guaranteed place in the first year of a QUT degree:

- i) fulfil the Foundation course requirements,
- ii) obtain a grade of 5 in Communication 2 or an IELTS 6.5 or equivalent,
- iii) obtain a Grade Point Average (GPA) as indicated in the table of Faculty Requirements below - calculated on five (5)

Level 2 units:

Students who do not meet requirements for a guaranteed place in either a QUT degree or University Diploma Program, may still be considered for entry by the relevant faculty.

Required Foundation Grade Point Average by Faculty

Built Environment - Required GPA 4.6
 Business - Required GPA 4.8
 Creative Industries - Required GPA 4.4
 Education - Required GPA 4.6
 Engineering (except Aerospace Avionics) - Required GPA 4.6
 Engineering - Aerospace Avionics - Required GPA 5.8
 Health (except Nutrition & Dietetics, Optometry, Psychology & Podiatry) - Required GPA 4.6
 Health - Nutrition & Dietetics - Required GPA 5.8
 Health - Optometry & Podiatry - Required GPA 5.8
 Health - Psychology - Required GPA 5.0
 Humanities and Human Services - Required GPA 4.2
 Information Technology - Required GPA 4.8
 Law (except Justice Studies) - Required GPA 4.8
 Law - Justice Studies - Required GPA 4.2
 Science (except Pharmacy) - Required GPA 4.6
 Science - Pharmacy - Required GPA 5.8

N.B. Grades in each unit are awarded on a scale from 1 to 7, with 7 being the highest.

QC04 - Extended Foundation Program

Semester One

QCF115	Foundation English
QCF156	Mathematics A1
	OR
QCF157	Mathematics B1
	+ TWO ELECTIVES from the following list
QCF120	Accounting 1
QCF121	Economics 1
QCF153	Physical Sciences 1
QCF122	Organisations And Management
QCF252	Life Science
QCF240	Legal Studies
	Note: QCF240 is offered subject to demand and may be offered in alternate semesters. Students should seek advice from the Course Coordinator.
	Note: QCF252 is only offered in ALTERNATE semesters. Students should seek advice from the Course Coordinator.
	Note: QCF115 is taught 4 hours / week in 13TP1 and only 3 hours / week in 13TP2 & 13TP3. There is no computing component in 13TP2 & 13TP3.
	Note: In some semesters some elective units may not be offered if there is insufficient demand.

Semester Two

- QCF111 Tertiary Preparation Studies 1
- QCF112 Communication 1
- QCF256 Mathematics A2
OR
- QCF257 Mathematics B2
OR
- QCF260 Professional Studies
+ TWO ELECTIVES from the following list
- QCF122 Organisations And Management
- QCF160 Introduction to Creativity
- QCF220 Accounting 2
- QCF221 Economics 2
- QCF254 Physics
- QCF255 Chemistry
- QCF210 Applied Psychology
- QCF230 Information Processing
- QCF240 Legal Studies
- QCF252 Life Science

Approved diploma units (Business, IT or Professional Communication students only). Diploma units can only be taken under special circumstances and with the approval of the Course Coordinator.

Note: QCF240 is offered subject to demand and may be offered in alternate semesters. Students should seek advice from the Course Coordinator.

Note: QCF252 is only offered in ALTERNATE semesters. Students should seek advice from the Course Coordinator.

Note: In some semesters some elective units may not be offered if there is insufficient demand.

Semester Three (8 Week Teaching Period)

- QCF211 Tertiary Preparation Studies 2
 - QCF212 Communication 2
- Note: In this semester students focus on the higher level tertiary preparation and communication skills and attend 18 hours of study per week in their classes over a 8 week teaching period.

Potential Careers:

Academic, Account Executive, Accountant, Actor, Actuary, Administrator, Adult/Workplace Educator, Advertising Professional, Aerospace Avionics Engineer, Aged Services Worker, Analytical Chemist, Animator, Architect, Art Project Manager, Art Writer, Artist, Arts Administrator, Astrophysicist, Band Leader, Banker, Banking and Finance Professional, Barrister, Biochemist, Bioengineer, Bioinformatician, Biologist, Biomechanical Engineer, Biomedical Engineer, Biotechnologist, Biotechnologist, Business Analyst, Cell Biologist, Certified Practising Accountant, Chemical Technologist, Chemist, Chemist Industrial, Child Care Professional, Child Protection Officer,

Choreographer, Civil Engineer, Clinical Laboratory Scientist, Coastal Scientist, Community Corrections Officer, Community Education Officer, Community Health Officer, Community Worker, Composer, Computer Game Programmer, Computer Games Developer, Computer Salesperson/Marketer, Computer Systems Engineer, Conductor, Conservation Biologist, Construction Manager, Contract Administrator, Corporate Secretary, Corrective Services Officer, Counsellor, Creative Writer, Crown Law Officer, Curator, Customs Officer, D.J, Dance Teacher, Dancer, Data Communications Specialist, Database Manager, Digital Composer, Diplomat, Disability Services Worker, Drama Teacher, Early Childhood Teacher, Ecologist, Economist, Educator, Electrical and Computer Engineer, Electrical Contractor, Electrical Engineer, Electronic Commerce Developer, Engineering Technologist, English Teacher, Environmental Engineer, Environmental Health Officer, Environmental Scientist, Estimator, Exchange Student, Exercise Physiologist, Exploration Geologist, Facilities Manager, Family Services Officer, Fashion Designer, Fashion Professional, Film Composer, Film/Television Producer, Financial Advisor/Analyst, Financial Project Manager, Fitness Assessor/Personal Trainer, Forensic Biologist, Forensic Chemist, Forensic Scientist, Funds Manager, Geologist, Geophysicist, Geoscientist, Government Officer, Guidance Officer, Health Information Manager, Health Physicist, Health Services Manager, Higher Education Worker, Home Economist, Human Resource Developer, Human Resource Manager, Human Services Practitioner, Hydrogeologist, Immunologist, In-House Lawyer, Industrial Chemist, Industrial Designer, Information Officer, Information Security Specialist, Instrument Maker, Interior Designer, International Business Specialist, Internet Professional, Investigator, Investment Manager, Journalist, Kindergarten Teacher, Laboratory Technician (Chemistry), Landscape Architect, Librarian, Manager, Manufacturer, Mapping Scientist/Photogrammetrist, Marine Scientist, Market Research Manager, Marketing Officer/Manager, Mastering Engineer, Mathematician, Mechanical Engineer, Media Industry Specialist, Medical Biotechnologist, Medical Engineer, Medical Equipment Sales, Medical Imaging Technologist, Medical Physicist, Medical Scientist, Microbiologist, Molecular Biologist, Multimedia Designer, Music Agent/Manager, Music Publisher, Music Sampler, Music Teacher, Music Technologist, Musical Director, Musician, Natural Resource Scientist, Network Administrator, Network Manager, Nurse, Nutritionist/Dietitian, Occupational Health and Safety Officer, Optometrist, Organisational Communication Specialist, Pathology Scientist, Pharmaceutical Research Scientist, Physicist, Plant Biotechnologist, Podiatrist, Police Officer (Australian Federal), Police Officer (State), Policy Officer, Population Ecologist, Post-production specialist, Preschool Teacher, Primary School Teacher, Programmer, Project Manager, Property Development, Property Economist, Psychologist, Public Health Officer, Public Relations Officer/Consultant, Public Servant, Publishing Professional, Quantitative Analyst, Quantity Surveyor, Radiation Therapist, Radiographer, Recording Engineer, Rehabilitation Engineer, Rehabilitation Professionals, Research and Development Chemist, Risk Manager, Sales Person, School Counsellor, Scientist, Secondary School

Teacher, Social Scientist, Sociologist, Software Engineer, Solicitor, Song Writer, Sonographer, Sound and Music Producer, Sound Designer, Sound/Audio Engineer, Sports Scientist, Stage Manager, Statistician, Stockbroker, Surveyor, Systems Analyst, Systems Manager, Systems Programmer, Systems Trainer, TAFE Teacher, Teacher, Technical Officer, TESOL Teacher, Theatre Lighting, Theatre Professionals, Trainer, Translator, Urban and Regional Planner, Urban Designer, Virologist, Visual Artist, Visual Arts Teacher, Web Designer, Youth Worker.

English for Academic Purposes for degree programs (QC10)

Year offered: 2007

Admissions: Yes

CRICOS code: 011424G

Course duration (full-time): 12 weeks

International Fees (per semester): 2007:\$3,720 per 12 week session + \$100 non-refundable enrolment fee (*subject to annual review*)

International Entry: March, July and October (dates are designed to allow entry to selected semester of next course)

Total credit points: 48

Course coordinator: Judith Douse

Campus: Kelvin Grove

Academic Writing

Listening and Note-taking from Lectures

Speaking in Academic Settings

Academic Study Skills

Computer Word-processing and Internet research skills

Library research skills

Entry Requirements - Academic

To be eligible for entry, applicants must either:

1. Have an offer of a place in a QUT degree program and successfully complete the relevant EAP entry test; or

2. Produce original documentary evidence of an IELTS score of a minimum 5.5 with no sub-score less than 5.0 (or approved equivalent).

* You should check the English language requirements for a Student Visa from your country of origin.

Description

The aim of the EAP course is to assist international students to upgrade their English proficiency level to meet university entry requirements. The course is designed to prepare students for independent study and to familiarise them with an Australian academic setting in terms of study techniques and student/lecturer relations and expectations.

Course Completion

To be eligible to receive EAP certification at the end of the course, students must complete all course requirements.

On successful completion of the course, students will receive a Completion & Attendance Certificate and a Statement of Results.

Progression

Successful completion of an EAP course is a pathway into QUT International College Foundation, Diploma, Certificate or Bridging programs; or QUT undergraduate or postgraduate award programs. The course is recognised by all QUT faculties.

Course structure

Modules

QCE003 English for Academic Purposes for Direct Entry to QUT

The EAP course consists of the following integrated modules:

Seminars and Presentations

Academic Reading and Note-taking

General English (QC20)

Year offered: 2007

Admissions: Yes

CRICOS code: 011426E

Course duration (full-time): 5 weeks

International Fees (per semester): 2007:\$1,550 per 5 week session + \$100 non-refundable enrolment fee (*subject to annual review*)

International Entry: 9 entry dates per year.

Total credit points: 20

Course coordinator: Ian Davies (ip.davies@qut.edu.au)

Campus: Kelvin Grove

excursions (which may incur some additional, minimal cost)

Electives Activities Program

Computer-based language learning

Independent learning skills

Entry Requirements - English Language

Students should check visa requirements in relation to English entry levels.

Description

This course offers English language and study skills for students preparing for entry to EAP, Foundation, Certificate and Diploma programs and QUT undergraduate and postgraduate award programs.

There are also non-academic English language courses at all levels from elementary to advanced. These courses include excursions and activities (which may incur some additional, minimal cost).

All English language courses include 25 hours of classes per week and there are new intakes approximately every five weeks.

Course Completion

On completion of the course, students will receive a Completion/Proficiency Certificate and an Attendance Certificate.

Progression

Progress is monitored on a student profile which is created for each student over the length of the course. All assessment results (formative/summative/diagnostic) are recorded.

Students can progress from General English into the EAP course or other programs. Progression is subject to entry requirements.

QC20 - General English

General English

QCE001 General English (Full-time)

While specific content varies according to level, broadly the course consists of:

English Language Structures & Systems

Grammar

Vocabulary

Integrated Skills Development (reading, writing, speaking, listening)

Cultural Studies, including field trips and

General English Extension (QC21)

Year offered: 2007

Admissions: Yes

Course duration (full-time): 5 weeks

International Fees (per semester): 2007:\$1,550 per 5 week session + \$100 non-refundable enrolment fee (*subject to annual review*)

International Entry: Every 5 weeks

Total credit points: 20

Course coordinator: Ian Davies (ip.davies@qut.edu.au)

Campus: Kelvin Grove

speaking, listening)

Cultural Studies, including field trips and excursions (which may incur some additional, minimal cost)

Electives Activities Program

Computer-based language learning

Independent learning skills

Entry Requirements - English Language

Students should check visa requirements in relation to English entry levels.

This course is for students enrolled in QC20 General English and wishes to continue their enrolment in General English.

Description

This course offers English language and study skills for students preparing for entry to EAP, Foundation, Certificate and Diploma programs and QUT undergraduate and postgraduate award programs.

There are also non-academic English language courses at all levels from beginners to advanced. These courses include excursions and activities (which may incur some additional, minimal cost).

All English language courses include 25 hours of classes per week and there are new intakes every five weeks.

Course Completion

On completion of the course, students will receive a Completion/Proficiency Certificate and an Attendance Certificate.

Progression

Progress is monitored on a student profile which is created for each student over the length of the course. All assessment results (formative/summative/diagnostic) are recorded.

Students can progress from General English into the EAP course or other programs. Progression is subject to entry requirements.

QC21 - General English Extension

General English Extension

QCE001 General English (Full-time)

While specific content varies according to level, broadly the course consists of:

English Language Structures & Systems

Grammar

Vocabulary

Integrated Skills Development (reading, writing,

English for Tertiary Preparation (QC22)

Year offered: 2007

Admissions: Yes

CRICOS code: 045062C

Course duration (full-time): 2 weeks

International Fees (per semester): 2007: \$620 + \$100 non-refundable enrolment fee (*subject to annual review*)

International Entry: February, June and October

Total credit points: 8

Course coordinator: Michael Miller (mj.miller@qut.edu.au)

Campus: Kelvin Grove

Entry Requirements

Academic requirements:

An offer of acceptance for a QUT Foundation or University Diploma course.

English requirements:

An IELTS score of at least 5.5 (with sub-scores of at least 5.0) or approved equivalent.

Description

The course aims to enhance the English language proficiency of students who already meet the IELTS requirements for their Foundation or University Diploma Program. ETP teaches and practices academic writing, reading, listening and speaking.

The course assists students with the adjustment to studying at an Australian university.

Course Completion

On completion of the course, students will receive a Completion and Attendance Certificate.

QC22 - English for Tertiary Preparation

English for Tertiary Preparation

QCE005 English for Tertiary Preparation Studies

University Study Abroad Certificate (UO80)

Year offered: 2007

Admissions: Yes

CRICOS code: 050556E

International Fees (per semester): 2007: \$8,000 per semester (*subject to annual review*)

International Entry: February and July

Campus: Gardens Point, Kelvin Grove and Carseldine

University Study Abroad Diploma (UO90)

Year offered: 2007

Admissions: Yes

CRICOS code: 012704B

International Fees (per semester): 2007: \$8,000 per semester (*subject to annual review*)

International Entry: February and July

Campus: Gardens Point, Kelvin Grove and Carseldine