



**INFORMATION TECHNOLOGY**  
**POSTGRADUATE COURSES 2009**

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# INFORMATION TECHNOLOGY

a university for the **real** world®

# Message from the Executive Dean



## WELCOME TO INFORMATION TECHNOLOGY AT QUT

Information Technology at QUT offers a range of postgraduate coursework and research programs. As a leading provider of information technology courses in Australia, the Faculty is internationally recognised for excellence in education and research, and our staff are real-world professionals with years of relevant experience.

The Faculty's close links with industry and our dynamic research culture give you the opportunity to build your current knowledge and be involved in leading-edge research through postgraduate study. Our teaching is aligned with industry accreditations and we encourage students to undertake industry-based projects.

The Faculty has always fostered close links between the work conducted in our research centres and the teaching of our postgraduate courses. We have significant research strengths across a broad spectrum of areas in IT, developed in cooperation with our many industry partners.

The Faculty has redesigned its postgraduate coursework offering in response to recognised demand for skills related to specific specialisations. Each student will now receive an award with their specialisation stated on their degree parchment. The new structure also provides a mechanism to move readily into research streams of the Faculty.

The global nature of information industries and the international focus embedded in our courses mean our graduates can step confidently into professional practice anywhere in the world.

A handwritten signature in black ink that reads "Simon M. Kaplan".

**Professor Simon Kaplan**  
Executive Dean



## **Christopher Bowles**

Bachelor of Information Technology (Software Engineering/Data Communications)/  
Bachelor of Applied Science (Biotechnology)

'I am studying a Bachelor of Information Technology (Honours). My QUT coursework studies mean I am not only well qualified to enter the industry, but I am also prepared for following an academic pathway through research. My study has led to me being offered several graduate positions at large organisations, including Google and IBM. I am currently working at MQUTeR (Microsoft QUT eResearch Centre) and enjoying working with the newest technologies and developing new software for biologists. My future career aspiration is to work overseas in one of the large international IT research companies and potentially do a PhD in a few years time.'

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**Studyfinder**.qut.com

**QUT continuously updates and improves its courses. For the most up-to-date information visit [studyfinder.qut.com](http://studyfinder.qut.com)**

This publication has been prepared for Australian students and those with permanent resident status. International students should access QUT's Studyfinder at [studyfinder.qut.com](http://studyfinder.qut.com) to check if the course they are interested in is offered to international students. The 2009 international postgraduate brochure can be downloaded from [www.international.qut.edu.au/courses/brochures.jsp](http://www.international.qut.edu.au/courses/brochures.jsp) and you can speak to a QUT adviser at freecall 1800 181 848 or email [qut.international@qut.edu.au](mailto:qut.international@qut.edu.au)

# Postgraduate study at QUT

## WHY CHOOSE QUT

Postgraduate study is an investment in your future. Whether you are looking to upgrade your qualifications, secure a promotion or make a career change, QUT's mix of theory and practical experience in its leading-edge courses ensures you will be well prepared to advance your career. Here are some good reasons why students choose to study at QUT:

### Reputation

QUT is one of Australia's largest universities, with close links with industry and the community. The University has more than 9000 postgraduate students, including 1800 research students, among its total enrolment of 40000.

### Flexibility

To fit in with your busy work and personal life, postgraduate courses are generally offered at night, study materials can be accessed online, and many units have flexible assessment options. Mid-year or Summer Program entry is available in some courses and units, enabling you to fast-track your postgraduate study.

Courses are often 'nested' in design, enabling you to first complete a graduate certificate, and then articulate to a graduate diploma or masters program. Certificates may be completed in as little as one semester while diplomas, honours and masters courses take between two and six semesters.

### Industry input

QUT seeks the advice of industry, government and the professions in the design of curriculum to ensure courses remain relevant to changing industry needs. We also build into our courses opportunities for you to gain professional experience through workplace projects in industry in Australia and overseas.

## RESOURCES

QUT Virtual is your university portal, providing secure access to online resources. This is where you enrol in units, update your personal details, manage your online forms, enrol in classes, access your ePortfolio, and view your exam results, academic history and booklists.

QUT Blackboard is the University's learning management system. Every unit's QUT Blackboard website provides access to its learning and teaching resources, such as lecture notes, tutorial guides, unit outlines, and reference materials held in the Library's Course Materials Database.

QUT libraries are located on each campus. The Library's document delivery service allows postgraduate students to borrow from other libraries world-wide. Researchers' centres are located at Gardens Point and Kelvin Grove campuses, and faculty liaison librarians are available for individual consultation. QUT ePrints repository and the Australasian Digital Theses (ADT) database provide worldwide exposure for research students' theses and research output. The Clayton Utz Law Library at Gardens Point campus is available for law students.

Visit [www.library.qut.edu.au](http://www.library.qut.edu.au)

QUT provides students with access to computing laboratories for study and educational purposes. At Kelvin Grove and Gardens Point there is at least one 24-hour computer lab. Specialised computing facilities available to postgraduate students include high-performance computer systems, the latest research collaboration tools including an AccessGrid room, high-quality data visualisation facilities, and an immersive 3D stereoscopic theatre. For computing guides visit [www.itstraining.qut.edu.au](http://www.itstraining.qut.edu.au)

## CAREER DEVELOPMENT

QUT Careers and Employment offers free career counselling, workshops on job seeking and similar topics, and resources for career management and planning to assist postgraduate students with their career development. Visit [www.careers.qut.edu.au](http://www.careers.qut.edu.au)

Corporate Education can bring customised, accelerated programs for groups in your organisation to your workplace. For more information contact the relevant faculty, or visit [qut.com](http://qut.com)

The Workplace Visits Program provides tailor-made presentations to employees regarding professional development opportunities. Visit [qut.com/postgraduate](http://qut.com/postgraduate)

QUT Alumni provides opportunities for networking and professional/personal development. Visit [www.alumni.qut.edu.au](http://www.alumni.qut.edu.au)

## STUDENT SERVICES AND SUPPORT

Equity programs and support are available for:

- Aboriginal and Torres Strait Islander students (Oodgeroo Unit). Visit [www.oodgeroo.qut.edu.au](http://www.oodgeroo.qut.edu.au)
- people from non-English speaking backgrounds. Visit [www.issupport.qut.edu.au](http://www.issupport.qut.edu.au)
- people with a disability. Visit [www.equity.qut.edu.au/disability](http://www.equity.qut.edu.au/disability)
- students from low-income backgrounds. Visit [www.equity.qut.edu.au/scholarships](http://www.equity.qut.edu.au/scholarships)

International Student Services provides specialised services and programs for international students. Visit [www.issupport.qut.edu.au](http://www.issupport.qut.edu.au)

QUT Counselling Services provides a free professional counselling service on each campus for students, and administers a student loan scheme. Visit [www.counselling.qut.edu.au](http://www.counselling.qut.edu.au)

QUT Health Services provides a comprehensive health/medical service on both the Gardens Point and Kelvin Grove campuses during normal office hours. The service will bulk bill students. Visit [www.healthservices.qut.edu.au](http://www.healthservices.qut.edu.au)

QUT Student Guild represents your academic, sporting and social interests on all campuses. The Student Guild also operates licensed childcare centres at Gardens Point and Kelvin Grove campuses. Visit [www.guildonline.net](http://www.guildonline.net)

## Accommodation services

- QUT provides an accommodation service and database. Visit [www.qut.edu.au/accommodation](http://www.qut.edu.au/accommodation)
- QUT Student Guild has an accommodation database. Visit [www.guildonline.net](http://www.guildonline.net)
- Campus Living Villages has a 456-bed student accommodation complex adjacent to the Kelvin Grove campus. Visit [www.clv-kelvingrove.com.au](http://www.clv-kelvingrove.com.au)

## YOUR FEEDBACK

At QUT we make sure that your voice is heard. We give you the opportunity to regularly rate your lecturers through student surveys. We take these results seriously and act on your feedback. Visit [www.yourfeedback.qut.edu.au](http://www.yourfeedback.qut.edu.au)

## GARDENS POINT CAMPUS

With 25 000 students, Gardens Point campus has a prime location in Brisbane's city centre, beside the Brisbane River, City Botanic Gardens and Parliament House—a position that reinforces QUT's links with business, industry and government.

Gardens Point campus is within easy walking distance of shops, restaurants, theatres, galleries, and public transport including buses, trains and its own ferry stop. The Goodwill Bridge is a pedestrian and cyclist bridge linking the campus to South Bank Parklands and the Queensland Cultural Centre.

Gardens Point and Kelvin Grove campuses are linked by a free shuttle bus. For more information about your transport options visit [www.translink.com.au](http://www.translink.com.au)

Faculties based at Gardens Point are Built Environment and Engineering, Business, Information Technology, Law, and Science.

# Coursework programs

QUT's Information Technology coursework programs include:

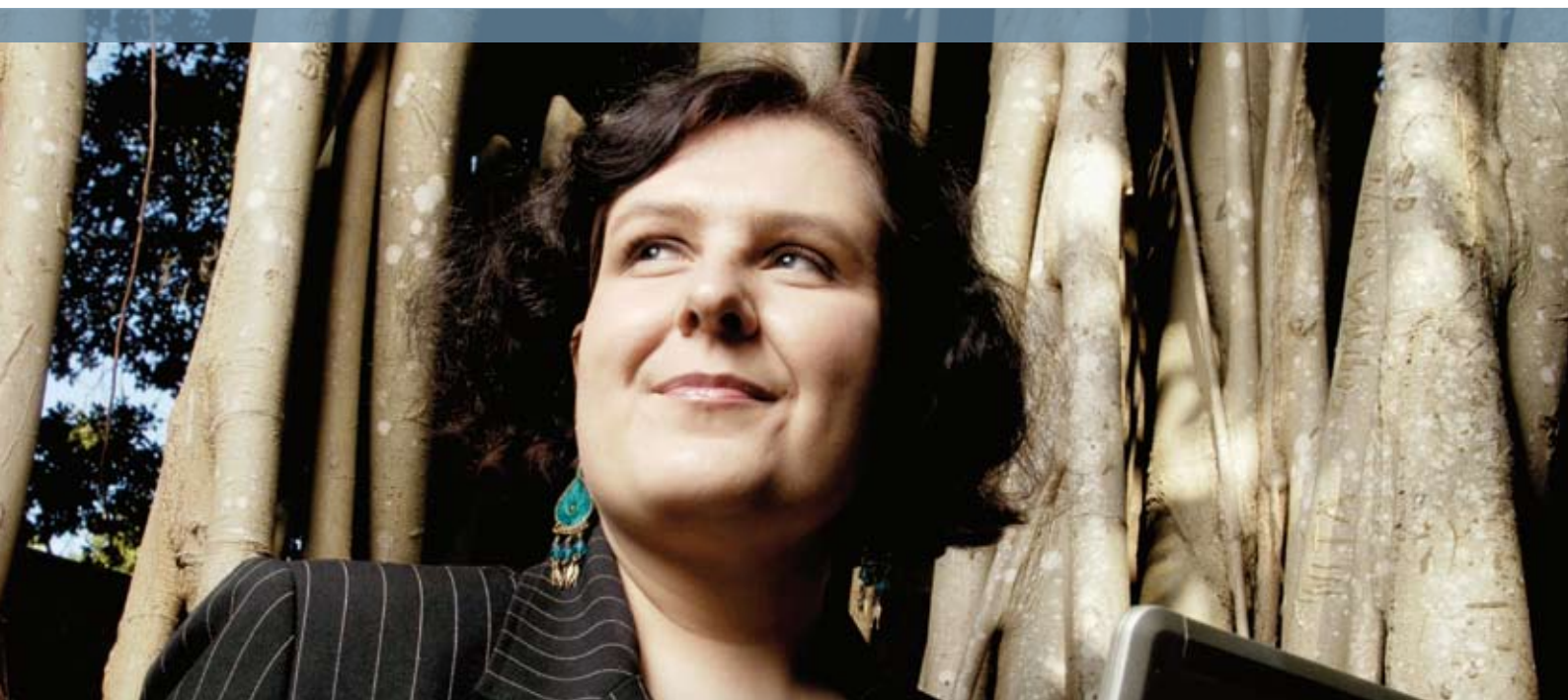
- ▶ Master of Information Technology (Study Area)
- ▶ Master of Information Technology (Study Area) – Advanced
- ▶ Graduate Certificate in Information Technology (Study Area)

The majors for the above courses are:

- Digital Environments
- Enterprise Systems
- Executive Information Practice
- Games Design

- Games Production
- Information Management
- Library and Information Science (available online)
- Network Management
- Security
- Software Architecture.

- ▶ Master of Business Process Management
- ▶ Graduate Diploma in Business Process Management
- ▶ Graduate Certificate in Business Process Management
- ▶ Graduate Certificate in Corporate Systems Management.



Emma Nelms | Information Management graduate

'With a background in literature and research, I launched into a new career through my studies at QUT. I learned from working with library professionals and emerged with an awareness of the industry and a strong network of contacts. Through this network, I found employment before I graduated and am now Liaison Librarian for Information Technology and Literacy Advisory Team Convenor at QUT Library.'

# Master of Information Technology overview

Information technology is at a point where it cannot be ignored. It is part of our culture, lifestyle and work life. Ask someone what they cannot live without and they will probably tell you it's their mobile phone or Internet. Think about how an office or factory could function without information technology.

We believe information technology underpins everything in modern society and are serious about how we educate future information technology professionals. Our Master of Information Technology is designed to give you specialist knowledge in an information technology area. The program is flexible, allowing students to study the course whether they have an information technology background or not.

Whether you are new to information technology or upgrading your skills set, the Master of Information Technology allows you to start an exciting new information technology career.

## COURSE STRUCTURE

The program is available in 10 different specialist areas, or students have the option to study across the breadth of information technology with no major. The structure allows students to enter the program without having to initially specify a projected major.

### Core units

Master of Information Technology students are required to complete 144 credit points of units. Master of Information Technology – Advanced students are required to complete 192 credit points of units. All students are required to complete the specified core unit in IT Project Management and generally complete up to seven specific unit requirements for a specialisation. Graduate Certificate students need only complete four units within the major.

Students enrolled in the Masters (Advanced) program must complete four advanced research or project units. It is recommended that you complete advanced research and project units in the latter half of your course.

### Exit award

Students enrolled in either the Master of Information or the Master of Information – Advanced may be eligible to exit with a Graduate Certificate in Information Technology, after successful completion of an approved 48 credit points, or with a Graduate Diploma in Information Technology, after successful completion of an approved 96 credit points. Master of Information Technology – Advanced students may elect to exit early by converting to the Master of Information Technology.

## Majors

All courses allow the student to graduate with a major that will appear on their degree parchment. Students may not graduate with more than one major.

The majors are:

- Digital Environments
- Enterprise Systems
- Executive Information Practice
- Games Design
- Games Production
- Information Management
- Library and Information Science (available online)
- Network Management
- Security
- Software Architecture.

Information about the majors is outlined on pages 7–17.

Students complete up to seven specific unit requirements for a major (84 credit points). The exception is in the Library and Information Science major, where students are required to complete nine units from the major.

## Elective units

Masters program students can generally select up to four electives (48 credit points); the exception is in the Library and Information Science specialisation, where students can select two electives. In some instances, these electives must be chosen from a specified range of units; with others these electives can be selected from postgraduate units offered within the Faculty or from postgraduate units offered by other faculties within QUT.

Students who do not have an IT background are advised to select three IT basic units as elective units at the beginning of their studies.

Students exiting the masters program with a Graduate Certificate or a Graduate Diploma cannot include electives in the units which will qualify them to graduate.

## COURSE STRUCTURE

	Graduate Certificate IT85	Graduate Diploma IT37	Masters IT43	Masters (Advanced) IT44
Core units		1 unit	1 unit	1 unit
Specialisation area units	4 units	7 units	7 units	7 units
Elective units			4 units	4 units
Advanced research units				4 units

### PROFESSIONAL RECOGNITION

The Library and Information Science specialisation is professionally recognised by the Australian Library and Information Association (ALIA). Professional recognition is being sought from the Australian Computer Society (ACS) for the other majors in the masters coursework program.

### PATHWAYS TO FURTHER STUDY

Both the Master of Information Technology and Master of Information Technology – Advanced provide direct pathways for entry to a PhD program as well as to the Faculty’s professional doctorate, the Doctor of Information Technology.

Students wishing to use the masters program as a pathway to a PhD program within QUT are advised to select four advanced research or project units as their electives. These students are also advised to enrol in Introduction to Research as part of their major.

### ENTRY REQUIREMENTS

To be eligible for this masters coursework program, students must have demonstrated competence in the basic skills and concepts of personal or office computer usage and must meet one of the following criteria:

- a bachelor degree in any discipline with a grade point average of at least 4.5 (on a 7-point scale), or
- evidence of recognised prior learning (e.g. at least five years of relevant full-time work experience).

For entry into the Library and Information Science major:

- a bachelor degree in any discipline other than library and information science with a grade point average of at least 4.5 (on a 7-point scale).

The Executive Information Practice major has core units from the MBA and, as such, students must also meet the MBA entry requirements:

- demonstrate competency in the English language
- have a GMAT score of at least 500
- have at least three years of work experience
- have at least 10 points from at least two of the three categories—prior work experience, academic achievement and management aptitude.

For further information, including details regarding the allocation of points, please see the table at [www.bgsb.qut.edu.au/study/future/entryreq.jsp](http://www.bgsb.qut.edu.au/study/future/entryreq.jsp)

### INTERNATIONAL STUDENT ENTRY

International students wishing to undertake study with QUT may enrol on a full-time basis only.

International students: Please refer to page 31.

### FEES

For domestic and international fees go to [studentservices.qut.com](http://studentservices.qut.com) and consult the fees schedules which are updated by 1 October each year.

Domestic students: Please refer to page 32.

### FURTHER INFORMATION

Visit [www.scitech.qut.edu.au/study/postgrad](http://www.scitech.qut.edu.au/study/postgrad) or contact the Course Coordinator.

Email enquiry.scitech@qut.edu.au

For other contact details visit [www.scitech.qut.edu.au/about/staff/facoffice/coordinator.jsp](http://www.scitech.qut.edu.au/about/staff/facoffice/coordinator.jsp)

## Master of Information Technology

**QUT Code** IT43 | **Campus** Gardens Point | **Duration** 3 semesters full-time or 6 semesters part-time | **Total Credit Points** 144 | **Entry** February and July

## Master of Information Technology – Advanced

**QUT Code** IT44 | **Campus** Gardens Point | **Duration** 4 semesters full-time or 8 semesters part-time | **Total Credit Points** 192 | **Entry** February and July

## Graduate Certificate in Information Technology

**QUT Code** IT85 | **Campus** Gardens Point | **Duration** 2 semesters part-time | **Total Credit Points** 48 | **Entry** February and July

### OVERVIEW

This course allows students who might like exposure to a number of units across several specialisation areas to undertake 84 credit points from any postgraduate unit offered within the School of Information Technology. This program would suit those students who are not looking to undertake a discipline-specific postgraduate program, but rather complementary studies. This study area is the most flexible of the areas offered and thus is the default for students who do not select any major.

### WHY STUDY THIS COURSE?

Information technology underpins almost every aspect of modern society; from phones to MP3 players to dashboard navigation systems, from ATMs to robotic

assembly lines to satellite communication, from online booking systems to banking to instant messaging. The generic option of not choosing a major allows you to select units that either complement prior knowledge or extend that knowledge. Similarly, students with limited IT knowledge from undergraduate studies can use the masters program to provide a wide breadth of knowledge of varying aspects of IT.

### CAREER PROGRESSION

Careers include business analyst, systems analyst, systems manager, data communications specialist, network administrator, network manager, database manager, electronic commerce developer, Internet professional, multimedia designer, senior programmer, software engineer, systems programmer.

### COURSE STRUCTURE

#### Graduate Certificate

Any four postgraduate IT units

#### Core unit for Master and Master (Advanced)

IT Project Management

#### Master

Select one from:

- Any IT postgraduate unit starting INN5xx, INN6xx or INN7xx

Plus any six postgraduate IT units not in the Basic Unit List

#### Master (Advanced)

Master units plus:

- 48 credit points of units in the Advanced Research and Project Unit list

#### Elective units – 48 credit points

Four electives can be chosen from any postgraduate units offered at QUT.

# Digital Environments

## ► Master of Information Technology (Digital Environments)

**QUT Code** IT43 | **Campus** Gardens Point | **Duration** 3 semesters full-time or 6 semesters part-time | **Total Credit Points** 144 | **Entry** February and July

## ► Master of Information Technology (Digital Environments) – Advanced

**QUT Code** IT44 | **Campus** Gardens Point | **Duration** 4 semesters full-time or 8 semesters part-time | **Total Credit Points** 192 | **Entry** February and July

## ► Graduate Certificate in Information Technology (Digital Environments)

**QUT Code** IT85 | **Campus** Gardens Point | **Duration** 1 semester full-time | **Total Credit Points** 48 | **Entry** February and July

### OVERVIEW

Web technologies and applications are reshaping contemporary organisations. This course allows you to study how developments in IT shape society through applications like FaceBook, MySpace, Second Life, Smart Phones, iPods and gaming devices.

This major has been designed to meet the needs of professionals and organisations seeking to harness the benefits of social computing to advance business goals. Students will explore the ways in which IT has altered the production of knowledge, community building, collaboration and the design and delivery of organisational activities and services. This major is aimed at professionals and organisations seeking to be not just IT-savvy users but leaders and innovators.

### WHY STUDY THIS MAJOR?

Increasingly, Web 2.0 technologies such as wikis, blogs and social networks are being used within organisations. A future trend will see successful contemporary professionals and organisations requiring expertise in not just business and management practice but in the critical design, use and consequences of new and emerging social technologies. The Digital Environments major represents a new and emerging field for the IT discipline. It symbolises the growing interlink between IT, business and society.

### CAREER PROGRESSION

Graduates from the Digital Environments major will find positions in a broad range of industries and will be well placed to contribute to organisational success. Some key positions include online community manager, social network analyst, community organiser, e-marketer, web analyst, systems administrator, IT project manager, application developer, web developer, communications and marketing manager, IT manager, web manager, knowledge manager, IT analyst, technology officer or technology consultant.

### COURSE STRUCTURE

#### Graduate Certificate

*Compulsory units:*

- Mobile Devices
- Enterprise 2.0
- Web 2.0 Applications
- User Experience

#### Core unit for Master and Master (Advanced)

IT Project Management

#### Master

*Graduate Certificate compulsory units plus:*

- Minor Project 1
- New Media Studies
- and one IT postgraduate unit not in the Basic Unit List

#### Master (Advanced)

*Master units plus:*

- 48 credit points of units in the Advanced Research and Project Unit list

#### Elective units – 48 credit points

Electives can be chosen in the areas of Database, Software Engineering, Web, Game, Information and Learning, Business or six units from the MBA program.

# Enterprise Systems

## Master of Information Technology (Enterprise Systems)

**QUT Code** IT43 | **Campus** Gardens Point | **Duration** 3 semesters full-time or 6 semesters part-time | **Total Credit Points** 144 | **Entry** February and July

## Master of Information Technology (Enterprise Systems) – Advanced

**QUT Code** IT44 | **Campus** Gardens Point | **Duration** 4 semesters full-time or 8 semesters part-time | **Total Credit Points** 192 | **Entry** February and July

## Graduate Certificate in Information Technology (Enterprise Systems)

**QUT Code** IT85 | **Campus** Gardens Point | **Duration** 2 semesters part-time | **Total Credit Points** 48 | **Entry** February and July

### OVERVIEW

Enterprise systems are engineered information systems that consist of applications and associated information, forming the fundamental structure of organisational processes in most large organisations. Enterprise systems provide comprehensive administrative systems and help to automate and streamline business processes.

This major provides you with advanced knowledge that will enable you to specialise in the area of business operations such as logistics and finance. You will build an understanding of enterprise system processes and configuration activities which occur in companies using enterprise systems. You will understand the business activities that these systems support, preparing you for business, technical or system support roles. The course provides you with hands-on experience with successful enterprise systems so that you can put into practice the theory that supports business activities.

This course also seeks to develop logical thinking and the capability to understand and deal with complex systems, within a business management framework.

### WHY STUDY THIS MAJOR?

Enterprise systems have been widely implemented worldwide, particularly in larger organisations. The enterprise system market exceeds US\$78 billion and it has been one of the largest, fastest growing application software industries in the world. Organisations invest substantial resources in acquiring enterprise systems from vendors such as SAP, Mincom and Oracle, and expect positive impacts on their business operations. Thus, there is a need for graduates with strong knowledge of enterprise systems software and effective management of its implementation.

### CAREER PROGRESSION

Careers include business analyst, systems analyst, systems manager or database manager.

### COURSE STRUCTURE

#### Graduate Certificate

*Compulsory units:*

- Enterprise Systems
- Enterprise Systems Applications
- Technology Management
- Case Studies in Enterprise Systems

#### Core unit for Master and Master (Advanced)

IT Project Management

#### Master

*Graduate Certificate compulsory units plus three from:*

- Introduction to Research
- Database Design
- Enterprise Data Mining and Data Analysis
- Software Development with Oracle
- Business Process Management
- Business Analysis
- Advanced Readings 1
- Advanced Readings 2
- Advanced Readings 3
- Advanced Research 1
- Advanced Research 2
- Advanced Research 3

#### Master (Advanced)

*Master units plus:*

- 48 credit points of units in the Advanced Research and Project Unit list

#### Elective units – 48 credit points

Four electives can be chosen from any postgraduate units offered at QUT.

# Executive Information Practice

## Master of Information Technology (Executive Information Practice)

**QUT Code** IT43 | **Campus** Gardens Point | **Duration** 3 semesters full-time or 6 semesters part-time | **Total Credit Points** 144 | **Entry** February and July

## Master of Information Technology (Executive Information Practice) – Advanced

**QUT Code** IT44 | **Campus** Gardens Point | **Duration** 4 semesters full-time or 8 semesters part-time | **Total Credit Points** 192 | **Entry** February and July

## Graduate Certificate in Information Technology (Executive Information Practice)

**QUT Code** IT85 | **Campus** Gardens Point | **Duration** 2 semesters part-time | **Total Credit Points** 48 | **Entry** February and July

### OVERVIEW

This major is where the MBA meets IT: Master of Business Administration units are incorporated into this course. It is the first Australian qualification designed to meet the needs of mid-career information and IT professionals who are seeking to advance their career opportunities. Very few qualifications provide the opportunity for mid-career professionals to further develop and refine their information and IT skills and knowledge while also having the opportunity to acquire a working knowledge of management practice.

Core units are offered by the areas of IT and business. You are able to study units in marketing, international business, accounting, public administration and evidence-based practice along with information security, systems and network, information management, interaction design, data mining and library and information science.

Those interested in pursuing a Master of Business Administration at QUT are eligible for advanced standing towards the qualification, making it an excellent pathway to QUT's Master of Business Administration (MBA).

### WHY STUDY THIS MAJOR?

Australia needs information and IT leaders who will help shape the future of our nation's information-rich and technology-driven economy.

Graduates of this course will possess a comprehensive working knowledge of contemporary management issues, advanced-level information and IT skills and the communication and leadership abilities essential for the executive or management role.

### CAREER PROGRESSION

Graduates of Executive Information Practice will take on key positions in middle- and high-level management in a broad range of industries. While the career outcomes from the specialisation are limited only by the drive and imagination of the graduates, key positions could include chief information officer, IT program manager, library director, cultural services manager or senior librarian.

### COURSE STRUCTURE

#### Graduate Certificate

*Compulsory units:*

- Evidence Based Practice
- Executive Coaching

*Plus four from non-compulsory units (each is worth six credit points):*

- Managing in the Global Business Environment
- Understanding Data
- Financial Statement Analysis
- Strategic Management
- Human Resource Management Issues
- Business Communication
- Fundamentals of Marketing Management

- Organisational Behaviour 1
- Entrepreneurship
- Business Law 1
- Financial Management 1
- Understanding Leadership
- Economics in Business 1

#### Core unit for Master and Master (Advanced)

IT Project Management

#### Master

*Graduate Certificate compulsory units plus:*

- Minor Project 1
- Information Issues and Values

*Plus six from the Graduate Certificate non-compulsory list above (each is worth six credit points)*

#### Master (Advanced)

*Master units plus:*

- 48 credit points of units in the Advanced Research and Project Unit list

#### Elective units – 48 credit points

Four electives can be chosen from any postgraduate units offered at QUT.

# Games Design

## ► Master of Information Technology (Games Design)

**QUT Code** IT43 | **Campus** Gardens Point | **Duration** 3 semesters full-time or 6 semesters part-time | **Total Credit Points** 144 | **Entry** February and July

## ► Master of Information Technology (Games Design) – Advanced

**QUT Code** IT44 | **Campus** Gardens Point | **Duration** 4 semesters full-time or 8 semesters part-time | **Total Credit Points** 192 | **Entry** February and July

## ► Graduate Certificate in Information Technology (Games Design)

**QUT Code** IT85 | **Campus** Gardens Point | **Duration** 2 semesters part-time | **Total Credit Points** 48 | **Entry** February and July

### OVERVIEW

This course focuses on developing the design and storytelling skills required to create games and interactive technology. You will have the opportunity to develop and apply these skills to your own discipline area. You will develop advanced project management skills together with the capability to analyse requirements and design appropriate to interactive environments, taking into consideration such aspects as the type of interaction required for your targeted users and the social implications of that interaction. You will also have the opportunity to research and apply the most up-to-date methods and techniques in this discipline. This course allows current industry members to take those skills that they have already acquired and extend them to support career development.

### WHY STUDY THIS MAJOR?

As entertainment technologies improve so do the expectations of the users of these technologies. Entertainment technologies have expanded to other applications such as education, simulation, training and more. Young people are growing up in a world of three-dimensional virtual environments. This course gives people within industries not traditionally related to entertainment the opportunity to develop skills within this area to enhance interactive techniques applicable to their own discipline. It allows members of unrelated industries to take the skills developed over many years in the interactive entertainment industries and apply them within a different context.

### CAREER PROGRESSION

This postgraduate course allows a graduate to learn the process of designing games even when their profession is not in the games industry, e.g. education, training, simulation. A career outcome includes a games or simulation designer.

### COURSE STRUCTURE

#### Graduate Certificate

*Compulsory units:*

- Computer Games Studies
- Fundamentals of Games Design
- Interaction Design

*Plus one from:*

- IT Project Management
- Advanced Games Design
- Advanced Readings 1
- Advanced Readings 2
- Interactive Writing
- Enabling Emersion

#### Core unit for Master and Master (Advanced)

IT Project Management

#### Master

*Graduate Certificate compulsory units plus:*

- Advanced Games Design

*Plus three from:*

- Games Production
- Multimedia Systems
- Advanced Multimedia Systems
- Advanced Readings 1
- Advanced Readings 2
- Introduction to Research
- Interactive Writing
- Enabling Emersion

#### Master (Advanced)

*Master units plus:*

- 48 credit points of units in the Advanced Research and Project Unit list

#### Elective units – 48 credit points

Four electives can be chosen from any postgraduate units offered at QUT. Students are encouraged to undertake some or all of the following:

- Persuasive Writing
- 12-credit-point Project
- 24-credit-point Project
- 48-credit-point Dissertation.

# Games Production

## Master of Information Technology (Games Production)

**QUT Code** IT43 | **Campus** Gardens Point | **Duration** 3 semesters full-time or 6 semesters part-time | **Total Credit Points** 144 | **Entry** February and July

## Master of Information Technology (Games Production) – Advanced

**QUT Code** IT44 | **Campus** Gardens Point | **Duration** 4 semesters full-time or 8 semesters part-time | **Total Credit Points** 192 | **Entry** February and July

## Graduate Certificate in Information Technology (Games Production)

**QUT Code** IT85 | **Campus** Gardens Point | **Duration** 2 semesters part-time | **Total Credit Points** 48 | **Entry** February and July

### OVERVIEW

This course focuses on developing managerial skills required to produce games: that is, the management of a team and the production of an interactive project. You will establish an understanding of the production process and the skills relating to the management of a team of people in a creative environment. You will also have the opportunity to gain hands-on experience in this endeavour through the supervision of undergraduate final-year project teams from project inception to completion.

### WHY STUDY THIS MAJOR?

As the video games and related industries develop, so does the need for people within those industries to enhance their skills beyond the technical to production and management. The Games Production stream has been developed to meet the skill sets required at higher management levels. It allows current industry members to take those skills that they have already acquired and extend them to support career development.

### CAREER PROGRESSION

Games production is an exciting multibillion dollar emerging industry. Careers include game/simulation developer or game/simulation producer. If you already work in the games or related industries, you could progress your career to management or executive-level positions.

### COURSE STRUCTURE

#### Graduate Certificate

*Compulsory units:*

- Computer Games Studies
- Games Production

*Plus two from:*

- IT Project Management
- Advanced Readings 1
- Advanced Readings 2
- Business Analysis
- Business Process Management

#### Core unit for Master and Master (Advanced)

IT Project Management

#### Master

*Compulsory units:*

- Computer Games Studies
- Games Production
- Advanced Readings 1
- Advanced Readings 2

*Plus three from:*

- Business Analysis
- Business Process Management
- Information Management
- Enterprise Architecture
- Enterprise Systems
- Introduction to Research

#### Master (Advanced)

*Master units plus:*

- 48 credit points of units in the Advanced Research and Project Unit list

#### Elective units – 48 credit points

Four electives can be chosen from any postgraduate units offered at QUT.

# Information Management

## ► Master of Information Technology (Information Management)

**QUT Code** IT43 | **Campus** Gardens Point | **Duration** 3 semesters full-time or 6 semesters part-time | **Total Credit Points** 144 | **Entry** February and July

## ► Master of Information Technology (Information Management) – Advanced

**QUT Code** IT44 | **Campus** Gardens Point | **Duration** 4 semesters full-time or 8 semesters part-time | **Total Credit Points** 192 | **Entry** February and July

## ► Graduate Certificate in Information Technology (Information Management)

**QUT Code** IT85 | **Campus** Gardens Point | **Duration** 2 semesters part-time | **Total Credit Points** 48 | **Entry** February and July

### OVERVIEW

The Information Management major provides you with the skill and knowledge to find employment in the information and knowledge management industry. You will gain awareness of the activities in which information management professionals are engaged, in various organisational contexts. You will have the opportunity through electives to tailor your learning to specific contexts such as health services, educational settings, creative industries and information technology.

You will develop skills and knowledge in information management including the alignment of enterprise information and business planning, enterprise information policy, evaluation of information resources and systems, and the design, delivery and evaluation of information services to meet client or organisational needs.

### WHY STUDY THIS MAJOR?

Information is now viewed as one of the most significant assets in an organisation. The ability to obtain and manage information on an ongoing basis is an important component of competitive success. Internal and external information resources are used constantly in any organisation. Information managers help organisations to more effectively interact with, and use, information for business development and success. Information managers require the knowledge and expertise to design, plan, develop, manage and evaluate information services to meet the information needs of their organisation.

### CAREER PROGRESSION

Careers include information broker, information manager, knowledge manager, database manager, webmaster, information architect, information coordinator, policy officer, research analyst, information services manager, document manager, metadata analyst, community information officer, learning resources officer.

### COURSE STRUCTURE

#### Graduate Certificate

*Compulsory units:*

- Principles of Information Management
- Information Resources

*Plus two from:*

- Security
- Business Analysis
- Information Issues and Values
- User Experience

#### Core unit for Master and Master (Advanced)

IT Project Management

#### Master

*Compulsory units:*

- Principles in Information Management
- Organisational Databases
- Security
- Information Resources
- Business Analysis
- Information Issues and Values
- User Experience

#### Master (Advanced)

*Master units plus:*

- 48 credit points of units in the Advanced Research and Project Unit list

#### Elective units – 48 credit points

Electives can be chosen in the areas of information technology, learning organisations, research, creative industries and health.

# Library and Information Science

## ► Master of Information Technology (Library and Information Science)

**QUT Code** IT43 | **Campus** Gardens Point | **Duration** 3 semesters full-time or 6 semesters part-time | **Total Credit Points** 144 | **Entry** February and July

## ► Master of Information Technology (Library and Information Science) – Advanced

**QUT Code** IT44 | **Campus** Gardens Point | **Duration** 4 semesters full-time or 8 semesters part-time | **Total Credit Points** 192 | **Entry** February and July

## ► Graduate Certificate in Information Technology (Library and Information Science)

**QUT Code** IT85 | **Campus** Gardens Point | **Duration** 2 semesters part-time | **Total Credit Points** 48 | **Entry** February and July

### OVERVIEW

The Library and Information Science major provides graduates with the skills to find employment in the library and information industry. You will acquire the knowledge and expertise required to design, plan, develop, manage and evaluate library and information services to meet the information needs of clients.

This major is offered in a flexible delivery mode, allowing students to complete their studies either face-to-face or online.

### WHY STUDY THIS MAJOR?

Libraries play a vital role in our information society. They help to connect people with the ever changing world of information. Librarians help individuals to more effectively interact with, and use, information in all aspects of their lives. Librarians require the knowledge and expertise to design, plan, develop, manage and evaluate library and information services to meet the information needs of their

clients and assist them to become information literate. This course provides the core skill and knowledge required by the successful librarian in today's information-rich and technology-driven age.

### PROFESSIONAL RECOGNITION

Graduates from the specialisation will be eligible for associate membership of the Australian Library and Information Association (ALIA).

### CAREER PROGRESSION

Careers include librarian, information broker, information manager, knowledge manager, database manager, web master, information architect, information coordinator, policy officer, research analyst, corporate librarian, information services manager, document manager, web librarian, metadata analyst, specialist liaison librarian, community information officer, cataloguer, digital library coordinator, systems librarian, law librarian, learning resources officer, library media specialist.

### COURSE STRUCTURE

#### Graduate Certificate

- Project

*Plus three from:*

- Management Issues for Information Professionals
- Principles of Information Management
- Information Programs
- Web Content Reliability
- Information Literacy Education
- Information Issues and Values
- Information Organisation
- User Experience

#### Core unit for Master and Master (Advanced)

IT Project Management

#### Master

- Managing Issues for Information Professionals

- Information Retrieval
- Information Services
- Information Organisation
- Principles of Information Management
- Information Programs
- Web Content Reliability
- Information Literacy Education
- Professional Practice

*Plus two from:*

- Web Development
- Introduction to Research
- Enterprise Data Mining and Analysis
- Project
- Information Issues and Values
- User Experience
- Web 2.0 Applications
- Mobile Devices
- Enterprise 2.0
- Advanced Readings 1

- Cyberlearning: Information and Knowledge in the Digital Age
- Designing Spaces for Learning
- Youth, Popular Culture and Texts
- Information Learning Nexus
- Professional Application of Research
- New Media Technologies
- Digital Pedagogies
- Adult and Professional Learning

#### Master (Advanced)

*Master units plus:*

- 48 credit points of units in the Advanced Research and Project Unit list

#### Elective units – 24 credit points

Two electives can be chosen from any postgraduate units offered at QUT.

# Network Management

## Master of Information Technology (Network Management)

**QUT Code** IT43 | **Campus** Gardens Point | **Duration** 3 semesters full-time or 6 semesters part-time | **Total Credit Points** 144 | **Entry** February and July

## Master of Information Technology (Network Management) – Advanced

**QUT Code** IT44 | **Campus** Gardens Point | **Duration** 4 semesters full-time or 8 semesters part-time | **Total Credit Points** 192 | **Entry** February and July

## Graduate Certificate in Information Technology (Network Management)

**QUT Code** IT85 | **Campus** Gardens Point | **Duration** 2 semesters part-time | **Total Credit Points** 48 | **Entry** February and July

### OVERVIEW

The Network Management major provides the practical skills and the theory to make you a more effective network manager. It offers in-depth study of emerging network management issues such as security, network monitoring and high availability design.

You will gain up-to-date technical skills for the administration and management of computer networks using an environment that is currently used in industry, and also the theory and practical aspects of network administration and management. Network Management graduates are required to plan either new networks or the upgrading of existing networks. You will be exposed to methodologies and procedures that are useful in addressing the issues involved in network planning and management. Ensuring that the network is secure is a theme that is maintained throughout the course.

### WHY STUDY THIS MAJOR?

Computer networks are essential for the running of today's organisations. Employees spend an ever increasing amount of time remote from their individual workspace. This has led to organisations seeking to deploy appropriate networks that allow real-time access to the corporate network anywhere around the world. The scope of the field of data communications and networks is constantly changing. Voice and data networking technologies are converging to provide more advanced systems with additional functionality and efficiencies. To ensure the effective and efficient operation of computer networks, they need to be designed, deployed and administered by competent technical people, which is why the Faculty has a dedicated major in this field.

### CAREER PROGRESSION

Careers include business analyst, systems analyst, systems manager, data communications specialist, network administrator, network manager, Internet professional.

### COURSE STRUCTURE

#### Graduate Certificate

*Compulsory units:*

- IT Project Management
- Internet Protocols and Services
- Computer Network Administration
- Network Planning and Deployment
- Advanced Network Management

#### Core unit for Master and Master (Advanced)

IT Project Management

#### Master

*Graduate Certificate compulsory units plus three from:*

- Introduction to Research
- Wireless and Mobile Networks

- CCNA 1&2: Network Fundamentals and Routing
- CCNA 3&4: LAN Switching
- CCNP1: Building Scalable Internetworks
- CCNP2: Building Multi-layered Switched Networks
- CCNP3: Implementing Secure Converged Networks
- CCNP4: Optimising Converged Networks
- Information Security Fundamentals
- Security Technologies
- Cryptology and Protocols
- Advanced Cryptology
- Computer Forensics
- Advanced Readings 1

- Advanced Readings 2
- Advanced Readings 3
- Advanced Research 1
- Advanced Research 2
- Advanced Research 3

#### Master (Advanced)

*Master units plus:*

- 48 credit points of units in the Advanced Research and Project Unit list

#### Elective units – 48 credit points

Four electives can be chosen from any postgraduate units offered at QUT.

# Security

## ► Master of Information Technology (Security)

**QUT Code** IT43 | **Campus** Gardens Point | **Duration** 3 semesters full-time or 6 semesters part-time | **Total Credit Points** 144 | **Entry** February and July

## ► Master of Information Technology (Security) – Advanced

**QUT Code** IT44 | **Campus** Gardens Point | **Duration** 4 semesters full-time or 8 semesters part-time | **Total Credit Points** 192 | **Entry** February and July

## ► Graduate Certificate in Information Technology (Security)

**QUT Code** IT85 | **Campus** Gardens Point | **Duration** 2 semesters part-time | **Total Credit Points** 48 | **Entry** February and July

### OVERVIEW

This course offers advanced studies in information security, both in the business and technical sense. You are introduced to a range of information security issues and its broad context: the people, processes and technologies involved with interacting in this new online era. You will explore these topics through participation in the form of projects (research related and industry related) and practice in the community (small groups focusing on particular advanced topics). You will be exposed to the research and industry best-practice environment within QUT's Information Security Institute (ISI) through collaboration with its staff and students. Students will graduate with an understanding and appreciation of what it means to be a security professional in contemporary global environments.

### WHY STUDY THIS MAJOR?

IT systems are increasingly used to store, process and exchange information ranging from e-commerce applications to critical infrastructure such as utilities, financial institutions, transport and telecommunications networks. Security breaches are routinely reported in the mainstream media, making security assurance no longer a choice but a requirement. Associated with this increased awareness and organisational compliance requirement is a growth in demand for IT personnel with management expertise and technical skills in information security.

### CAREER PROGRESSION

Careers include information security specialist, information consultant, information assurance professional, information manager and progression to a research career in information security.

### COURSE STRUCTURE

#### Graduate Certificate

##### Compulsory units:

- Information Security Fundamentals
- Security Technologies

##### Plus two from non-compulsory units:

- IT Project Management
- Introduction to Research
- Cryptology and Protocols
- Advanced Cryptology
- Computer Forensics
- Special Topic in Management (Risk Management and Infrastructure Systems)
- Business Law and Ethics
- Managing High-Performance Organisations
- Contemporary Strategic Analysis
- Risk Management 1 + Special Topics

- Analytical Methods of Intelligence
- Cybercrime
- Applications of Discrete Mathematics
- Privacy Law
- Electronic Commerce Law
- Minor Project 1 (12cp)
- Minor Project 2 (12cp)
- Minor Project 3 (12cp)
- Advanced Readings 1
- Advanced Readings 2
- Advanced Readings 3
- Advanced Research 1
- Advanced Research 2
- Advanced Research 3

#### Core unit for Master and Master (Advanced)

IT Project Management

#### Master

Graduate Certificate compulsory units plus five from the non-compulsory list, with the addition of:

- Project
- Project 1 (Part 1, 12 credit points)
- Project 2 (Part 2, 12 credit points)
- Major Project
- Major Project 1 (Part 1, 24 credit points)
- Major Project 2 (Part 2, 24 credit points)

#### Master (Advanced)

Master units plus:

- 48 credit points of units in the Advanced Research and Project Unit list

#### Elective units – 48 credit points

Four electives can be chosen from any postgraduate units offered at QUT.

# Software Architecture

## Master of Information Technology (Software Architecture)

**QUT Code** IT43 | **Campus** Gardens Point | **Duration** 3 semesters full-time or 6 semesters part-time | **Total Credit Points** 144 | **Entry** February and July

## Master of Information Technology (Software Architecture) – Advanced

**QUT Code** IT44 | **Campus** Gardens Point | **Duration** 4 semesters full-time or 8 semesters part-time | **Total Credit Points** 192 | **Entry** February and July

## Graduate Certificate in Information Technology (Software Architecture)

**QUT Code** IT85 | **Campus** Gardens Point | **Duration** 2 semesters part-time | **Total Credit Points** 48 | **Entry** February and July

### OVERVIEW

This major will enhance your capabilities as a software developer. It will provide you with an understanding of the issues, structure and technologies used for developing software architectures. The course will provide you with the theoretical and practical skills needed to develop enterprise critical applications using state-of-the-art technologies. A comparative technology approach is taken, including an analysis of how software development technologies have evolved to date, in order to identify common themes and to better enable you to comprehend and critically evaluate future software technology offerings.

### WHY STUDY THIS MAJOR?

A software architect is responsible for the high-level design and structure of an IT system. The systems developed by a software architect form a key part of the critical infrastructure of an organisation and the architect

must balance a wide range of issues, such as response time, portability, scalability and availability, when designing solutions for a client. Consequently the software architect needs a thorough understanding of advanced software development techniques and technologies, and how to take advantage of modern development environments and languages.

Understanding how and why programming approaches enable greater efficiency and flexibility is essential for graduates working in the IT industry. There are a wide variety of technologies available for developing software applications and they are continuing to evolve at a rapid pace.

### CAREER PROGRESSION

Careers include business analyst, electronic commerce developer, Internet professional, multimedia designer, senior programmer, software engineer or systems programmer.

### COURSE STRUCTURE

#### Graduate Certificate

Four units from:

- IT Project Management
- Algorithms and Data Structures
- Software Engineering Principles
- Enterprise Software Architecture
- Internationalisation of Software

#### Core unit for Master and Master (Advanced)

IT Project Management

#### Master

Graduate Certificate units plus three from:

- Introduction to Research
- Web Development
- Electronic Commerce Site Development
- Advanced Web Applications Development
- Systems Programming
- Advanced Readings 1
- Advanced Readings 2
- Advanced Readings 3
- Advanced Research 1
- Advanced Research 2
- Advanced Research 3

#### Master (Advanced)

Master units plus:

- 48 credit points of units in the Advanced Research and Project Unit list

#### Elective units – 48 credit points

Four electives can be chosen from any postgraduate units offered at QUT.

# Master of Business Process Management

## Master of Business Process Management

**QUT Code** IT53 | **Campus** Gardens Point | **Duration** 3 semesters full-time or 6 semesters part-time | **Total Credit Points** 144 | **Entry** February and July

## Graduate Certificate in Business Process Management

**QUT Code** IT61 | **Campus** Gardens Point | **Duration** 2 semesters part-time | **Total Credit Points** 48 | **Entry** February and July

## Graduate Certificate in Corporate Systems Management

**QUT Code** IT62 | **Campus** Gardens Point | **Duration** 2 semesters part-time | **Total Credit Points** 48 | **Entry** February and July

### ABOUT THIS COURSE

The degree provides graduates with the skills and knowledge to design and align information systems to effectively translate business strategies into corresponding solutions, with the ultimate aim of increasing operational efficiencies.

Students undertake study in areas of corporate systems and business process management, professional services (including project management and IT consulting), enterprise architecture, enterprise systems and information and knowledge management within business processes.

### WHY STUDY THIS COURSE?

The Master of Business Process Management has been specifically designed to meet the expressed needs of industry.

Recent global surveys show that employers across all industries are looking for graduates who have the ability to bridge the gap between IT and business. All businesses

require IT to effectively and efficiently support their operations, but not all IT graduates have the skills required to improve business performance. This degree provides students with those much needed skills.

### CAREER PROGRESSION

Careers include chief information officer (CIO), chief process officer (CPO), business process owner, enterprise architect, general manager of IT services division or system development, business development manager, software development manager, systems analysis manager, infrastructure manager, senior business analyst, business process manager, project manager, program manager, corporate strategist.

### FURTHER INFORMATION

Visit [www.scitech.qut.edu.au/study/postgrad](http://www.scitech.qut.edu.au/study/postgrad) or contact the Course Coordinator.

Email [enquiry.scitech@qut.edu.au](mailto:enquiry.scitech@qut.edu.au)

### COURSE STRUCTURE

Master of Business Process Management

#### Block A

#### IT graduates\* – Gateway units

Four units from:

- Introduction to Research
- Enterprise Systems
- Database Design
- Enterprise Systems Applications
- Technology Management
- Information Systems Consulting
- Information Management
- IT Project Management

\* Or candidates with appropriate relevant workplace experience.

#### Non-IT graduates – Basic units

Four units from:

- Corporate Systems
- Impact of IT
- Organisational Databases
- Project Management Practice
- Information Systems Development
- Business Analysis
- Technology Management

#### Block B

#### Core units

Four units from:

- Enterprise Systems
- Case Studies in Enterprise Systems

- Management Issues for Information Professionals
- Business Process Management
- Business Process Modelling
- Project Unit

#### Block C

#### Elective Units

Minimum of 24 credit points

- 12 cp IT industry or research project
- 24 cp IT industry or research project
- 48cp IT industry or research project
- 12cp from QUT's postgraduate elective units

# Work Integrated Learning

The School of Information Technology has extensive experience in partnering with industry on research and commercial projects. We engage with industry through education, consulting, research, outreach activities and the provision of professional services.

The School provides access to a number of quality industry placement and professional development programs that provide students with invaluable real-world experiences and research applications while they study.

## COOPERATIVE EDUCATION PROGRAM

The Cooperative Education Program (Coop Ed) is a joint venture between employers and the School that gives you the opportunity to undertake 10–12 months paid work experience to better prepare you for employment after you graduate. The Coop Ed Program places you in industry—integrating professional experience with your formal study—so you can apply what you are learning in an area relevant to your chosen career path.

As a student of the School of Information Technology you can apply for the Coop Ed Program during your postgraduate coursework degree. To ensure you have a solid knowledge base before joining the program, you will be eligible to apply when you have achieved at least 48 credit points of your postgraduate degree.

The Cooperative Education Program is available to Australian citizens and permanent residents only.

For further information contact the Faculty on 07 3138 2782 or visit [coop.fit.qut.edu.au](http://coop.fit.qut.edu.au)

## CEED PROGRAM QLD

Since 1992, CEED (Cooperative Education for Enterprise Development) Program Queensland has linked more than 530 students with industry-based projects in an effort to help students more effectively manage the transition to full-time employment. CEED offers final-year, honours and masters students access to meaningful industry projects which promote their professional development. Projects are usually completed over the course of one semester. The program is available to domestic and international students.

For further information contact CEED on 07 3841 5500, email [ceed@corpotech.com.au](mailto:ceed@corpotech.com.au) or visit [www.corpotech.com.au](http://www.corpotech.com.au)

## CONTINUING AND PROFESSIONAL EDUCATION

The School provides Continuing and Professional Education (CPE) workshops, short courses and customised training programs to corporations, government and industry, both in Australia and overseas. CPE topics include all of the course material in both our undergraduate and postgraduate courses as well as in-depth, expert material from our research areas including information systems security, business process management, information science, business services and systems.

Our staff have real-world industry experience and are internationally recognised experts in their field. They can deliver courses in various modes, and are available to conduct courses on campus at QUT, on site at a client's premises or at an independent training location in Australia or overseas. QUT CPE courses can be designed to provide clients with the option of a pathway to a higher education degree at either the undergraduate and postgraduate level.

Our CPE courses range from one to 10 days duration, and participation in one of our courses of five days or longer may be credited towards a postgraduate qualification.

For further information visit [www.scitech.qut.edu.au/industry/academy](http://www.scitech.qut.edu.au/industry/academy)

### Exit points only

#### Graduate Certificate in Business Process Management

- Enterprise Systems
- Case Studies in Enterprise Systems
- Business Process Management
- Business Process Modelling

#### Graduate Certificate in Corporate Systems Management

- Management Issues for Information Professionals
- Project Unit

*Plus two from:*

- Corporate Systems
- Impact of IT
- Organisational Databases
- Project Management Practice
- Information Systems Development
- Business Analysis
- Technology Management

# Research for the real world

## MULTIDISCIPLINARY

QUT's four cross-disciplinary research institutes encourage multidisciplinary research and training.

### **Institute of Health and Biomedical Innovation (IHBI)**

integrates creative minds from health, science and biomedical engineering research. Visit [www.ihbi.qut.edu.au](http://www.ihbi.qut.edu.au)

**Information Security Institute (ISI)** builds real information security solutions for government, business and the community through research in technology, legal, policy and governance issues. Visit [www.isi.qut.edu.au](http://www.isi.qut.edu.au)

**Institute for Creative Industries and Innovation (iCi)** is a global hub for excellence in creative innovation, innovation policy, and creative human capital. Visit [www.ici.qut.edu.au](http://www.ici.qut.edu.au)

**Institute for Sustainable Resources (ISR)** delivers sustainable growth and renewable resource solutions to global problems including climate change and greenhouse gas emissions. Visit [www.isr.qut.edu.au](http://www.isr.qut.edu.au)

## COLLABORATIVE

QUT has a strong reputation for working together with business, industry and the community to solve real problems. QUT consistently ranks in the top 10 Australian universities for funding through the Australian Research Council (ARC) Linkage program. Cooperative Research Centres (CRCs) bring together researchers from universities, CSIRO and other government laboratories, and private or public sector agencies.

QUT is a lead site for CRCs in construction innovation, interaction design, and integrated engineering asset management. QUT is also a partner in CRCs for railway innovation, spatial information, smart services, Australian poultry industries, national plant biosecurity, sugar industry innovation through biotechnology, polymers and advanced automotive technology.

### **Advanced Study Partnerships with Industry for Research Engagement (ASPIRE)**

Business and industry can link with university research in a number of ways for mutual intellectual and commercial gain. ASPIRE promotes and offers flexible postgraduate research degrees to employees of government, industry, business and the community.

Postgraduate research degrees can specifically target areas of need within your organisation. If you are working for a government organisation, within industry or in a community setting and you are on a leadership or executive pathway, ASPIRE could help you reach your career goals. For more information email [research.enquiries@qut.edu.au](mailto:research.enquiries@qut.edu.au) or visit [www.rsc.qut.edu.au](http://www.rsc.qut.edu.au)

## COMMERCIAL

**qutbluebox (bluebox)** is the University's technology transfer and commercialisation company, founded in 2006 to consolidate and develop commercial interactions with external communities of interest (including industry, government and the investment community).

Complementing the company's mission to bring the benefits of QUT's research discoveries to the global market, **bluebox** is committed to educating QUT researchers regarding commercialisation and intellectual property management. **bluebox** hosts an ongoing series of commercialisation workshops and seminars to help researchers and research students explore the commercial potential of QUT research and understand the importance of intellectual property management and commercialisation.

QUT has a solid record of success in turning good ideas into commercial realities. For more information about recent successful research collaborative agreements, technology licensing, start-up companies, and details of all services provided by **bluebox** visit [www.qutbluebox.com.au](http://www.qutbluebox.com.au)

## eRESEARCH

Many researchers face the challenge of collecting, generating and aggregating large volumes of data. Large-scale collaborative research between research teams around the world also produces significant challenges in integrative modelling and information sharing.

QUT is committed to using eResearch to drive next-generation research. The new Microsoft QUT eResearch Centre is one of only a handful of its kind in the world and aims to give researchers more time for discovery and innovation by automating necessary data processes. The centre is jointly funded by Microsoft, QUT and the Queensland Government. Visit [www.mquter.qut.edu.au](http://www.mquter.qut.edu.au)

# Research themes

The Faculty of Information Technology has a research philosophy committed to serving the needs of real-world industry and addressing the intellectual challenges through pure and applied research. Students can choose to complete honours, masters by research or doctoral programs in the following broad, current research themes:

- Enterprise Systems
- Information Sciences
- Critical Systems
- Smart Tools and Services.

## ENTERPRISE SYSTEMS

Enterprise systems research aims to support the effective provisioning of IT-mediated computer services within organisations and includes:

- Business Process Management and workflow from an integrated organisational and technical perspective

- the impact information systems have on organisational success
- knowledge management within organisations.

## Business Process Management

The mature field of Business Process Management (BPM) attracts substantial interest from the international community and is perceived as the first business priority by chief information officers. It is a core approach for the alignment of business and IT perspectives. The set of related IT methods and tools has significantly advanced and is now consolidated under the umbrella term 'Process-Aware Information Systems'.

BPM combines a variety of disciplines and research streams including business, management science, requirements engineering, conceptual modelling, service-oriented architectures and software engineering.



**Xin-Yi Chua** | Bachelor of Information Technology (Software Engineering/Data Communications)/  
Bachelor of Applied Science (Biotechnology), Bachelor Information Technology (Hons)

'I am currently a PhD student studying in information technology and am learning and gaining experience about research work as I go. I enjoy what I am currently doing and will most probably pursue a career related to research. I enjoy the QUT environment and particularly like how lecturers try to relate coursework to real-world applications. I did a Bachelor of Information Technology (Software Engineering and Data Communication) and a Bachelor of Applied Science (Biotechnology), so I enjoy working on research where I can use my acquired knowledge in both Science and IT.'

Information technology innovations such as service-oriented architectures, advanced workflow management systems and an increased process awareness in Enterprise Systems provide numerous IT-related opportunities for increased process management capabilities.

Current research topics include:

- Services Ecosystems for Collaborative Process Improvement
- Context-Aware Process Modelling
- Rapidly Locating Items in Distribution Networks with Process-Driven Nodes
- Yet Another Workflow Language (YAWL).

### IT Professional Services

IT Professional Services (ITPS) seek to develop tools and techniques for professionals and managers including data collection instruments and related methodologies. Incorporation of such knowledge assets in decision models and software enables more effective commercialisation of tacit knowledge. The research accumulates data for comparative analysis and reporting to practice, as well as for ongoing validation and extension of ITPS knowledge assets.

ITPS projects range from highly focused theory-generation, testing and extension work addressing fundamental concepts to design science, or iterative developmental work, employing action research cycles to evolve a novel IT artefact informed by senior managers in practice.

Current research includes:

- The IS-impact Approach—Measuring the Impact of Information Systems in Organisations
- Knowledge Management and Subjective Logic.

### INFORMATION SCIENCES

Research in the Information Sciences cluster explores the relationships between information, technology and users. This includes information behaviour research which looks at the cognitive and social factors that influence how users engage with online systems.

Research areas include:

- the cognitive and social aspects of user behaviour in information searching
- information retrieval of structured and unstructured data including XML and multimedia using machine learning and data mining

- information literacy and learning which focuses on developing deep understandings of effective information use, and creating models and frameworks to improve the information use and experience in academic, community and workplace contexts.

### Web Intelligence, Search, and Data Mining

This research focuses on studying the representation, storage, organisation, access and distillation of information from data. With the explosion of information resources on the Web, and with so many organisations housing massive data sources, modern computational intelligence techniques from machine learning and data mining have emerged. These, together with search engine and agent-based technologies, facilitate the creation of applications that could not have been possible a few years ago.

### Informatics

Informatics research develops theories and models of informatics and information science, and investigates how information is created, managed and used by individuals, societies, organisations and ICT environments with an emphasis on the information behaviour. Cognitive informatics investigates how cognitive models can inform information retrieval and Web systems including cognitive issues, user studies and human user interfaces.

### CRITICAL SYSTEMS

The construction of IT systems to meet real-world needs involves a myriad of research challenges within security, networks and artificial and computational intelligence.

The Critical Systems cluster is concerned with implementing, analysing and managing the complexity of 'critical' computer-based systems, including:

- security-critical systems that protect data confidentiality, privacy and integrity (e.g. electronic communications, cryptographic protocols, computer forensics, etc.)
- safety-critical systems, whose failure could result in life-threatening situations (e.g. traffic control, electronic health care, industrial automation and robotics, etc.)
- mission-critical systems, which ensure enterprise viability (e.g. decision-making tools, web services, maintenance principles, planning algorithms, etc.)

## Information Security

The Faculty has a longstanding reputation for high-impact research in information security. The formation of the Information Security Institute (ISI) has extended this base to promote multidisciplinary research in technology, legal, policy and governance issues related to information security.

ISI research includes:

- cryptology
- eBusiness and eGovernment
- governance and information protection
- trusted systems and network security
- computer intrusion, forensics and evidence
- technology, law and policy
- speech, audio, image and video technology
- risk and crisis management.

## SMART TOOLS AND SERVICES

This research program investigates the tools, theories and practices needed to make computer-based systems work intelligently and efficiently, and to align these systems more closely to human needs. Scientists are collecting more data than they can analyse and manage and research projects are increasingly multidisciplinary, requiring collaboration between scientists across the world. Smart Tools and Services also focus on emerging technologies which build on the interrelated themes of computational intelligence, human-computer interaction and construction and management of complex systems. As digital systems become more sophisticated and are used in increasingly complex ways, we need to find new techniques for guaranteeing that the resulting systems have the appropriate emergent properties and satisfy our overall requirements.

## eResearch

Our eResearch work looks at accelerating discovery in scientific research, particularly in bioinformatics and earth sciences, through smart software tools which enable the simple and rapid analysis of vast amounts of data and which support collaboration between scientists.

This research includes:

- programming languages and systems
- eResearch and cyber infrastructure
- autonomous and smart devices
- bioinformatics
- embedded computer systems
- sensor networks and environmental sensing.

## Visual and Media Computing

Research is also being pioneered in the field of computer games and other forms of interactive entertainment where the recent explosion in their use has made multimedia content-rich social environments an integral part of the way we interact with technology.

Research areas include:

- human-computer interaction
- games technology
- computer vision
- interaction design.

## CURRENT COLLABORATION WITHIN QUT

Exciting new opportunities for research are available in projects aligned with Cooperative Research Centres (CRCs), QUT institutes, and other specialist or cross-disciplinary research groups with whom the Faculty actively collaborates.

## INSTITUTES

Institute for Creative Industries and Innovation (iCi)  
Institute of Health and Biomedical Innovation (IHBI)  
Information Security Institute (ISI)  
Institute for Sustainable Resources (ISR)

## COLLABORATIONS

ARC Centre of Excellence for Creative Industries and Innovation  
CRC Smart Services  
CRC for Spatial Information  
Australasian CRC for Interaction Design (ACID)  
Centre for Accident Research and Road Safety - Queensland (CARRS-Q)  
CRC for Construction Innovation  
CRC for Integrated Engineering Asset Management (CIEAM)  
CRC for Advanced Automotive Technology (AutoCRC)

# Start that research degree

## GETTING STARTED

### Choose a topic

QUT researchers are available to discuss your topic with you to ensure it has the right scope and scale for your preferred research degree. There are also opportunities for you to align your interests with QUT's major ongoing research programs.

Visit [www.rsc.qut.edu.au/aboutus/strengths](http://www.rsc.qut.edu.au/aboutus/strengths)

### Find a supervisor

QUT is currently developing an interactive web-based database of research supervisors to assist prospective research students. In the meantime, please browse QUT's online expert guidedatabase at [www.expertguide.qut.edu.au](http://www.expertguide.qut.edu.au)

Other ways of exploring supervisory options are to contact the relevant faculty research office, review the ePrints repository [eprints.qut.edu.au](http://eprints.qut.edu.au) which contains current publications of active researchers, or view theses of QUT research higher degree graduates on the Australasian Digital Theses database [www.library.qut.edu.au/adt](http://www.library.qut.edu.au/adt)

For more information on finding a supervisor visit [www.rsc.qut.edu.au/future/supervisor](http://www.rsc.qut.edu.au/future/supervisor)

### Research pathways

Completion of an honours program can provide an excellent starting point before you embark on a research higher degree. As honours programs do not fall under the Research Training Scheme (RTS) please contact the relevant faculty to discuss projects and scholarships available and to find out about fees payable.

### Select a research program

**Masters by Research** Pursue a significant piece of supervised research.

**Professional Doctorate** An applied doctorate meets the needs of working professionals who want to undertake high-level research that is integrated with their working lives.

**Doctor of Philosophy** The PhD challenges you to make a significant and original contribution to knowledge in your field.

Visit [www.rsc.qut.edu.au/future/select](http://www.rsc.qut.edu.au/future/select)

## SUPPORT FOR RESEARCH STUDENTS

### Research Students Centre

QUT's Research Students Centre (RSC) provides learning and administrative support services to assist you throughout your postgraduate research degree. The Centre is located at Gardens Point campus, Level 3, O Block Podium.

For more information phone 07 3138 4475, email [research.enquiries@qut.edu.au](mailto:research.enquiries@qut.edu.au) or visit [www.rsc.qut.edu.au](http://www.rsc.qut.edu.au)

### eGrad School (Australia)

QUT research students can access supplementary educational programs through eGrad School (Australia). Modules include information literacy, research methodology, employability skills, career advancement and teaching at university. Award courses in research commercialisation and research management are also available. These provide an opportunity for you to interact with research students and supervisors across the Australian Technology Network of universities.

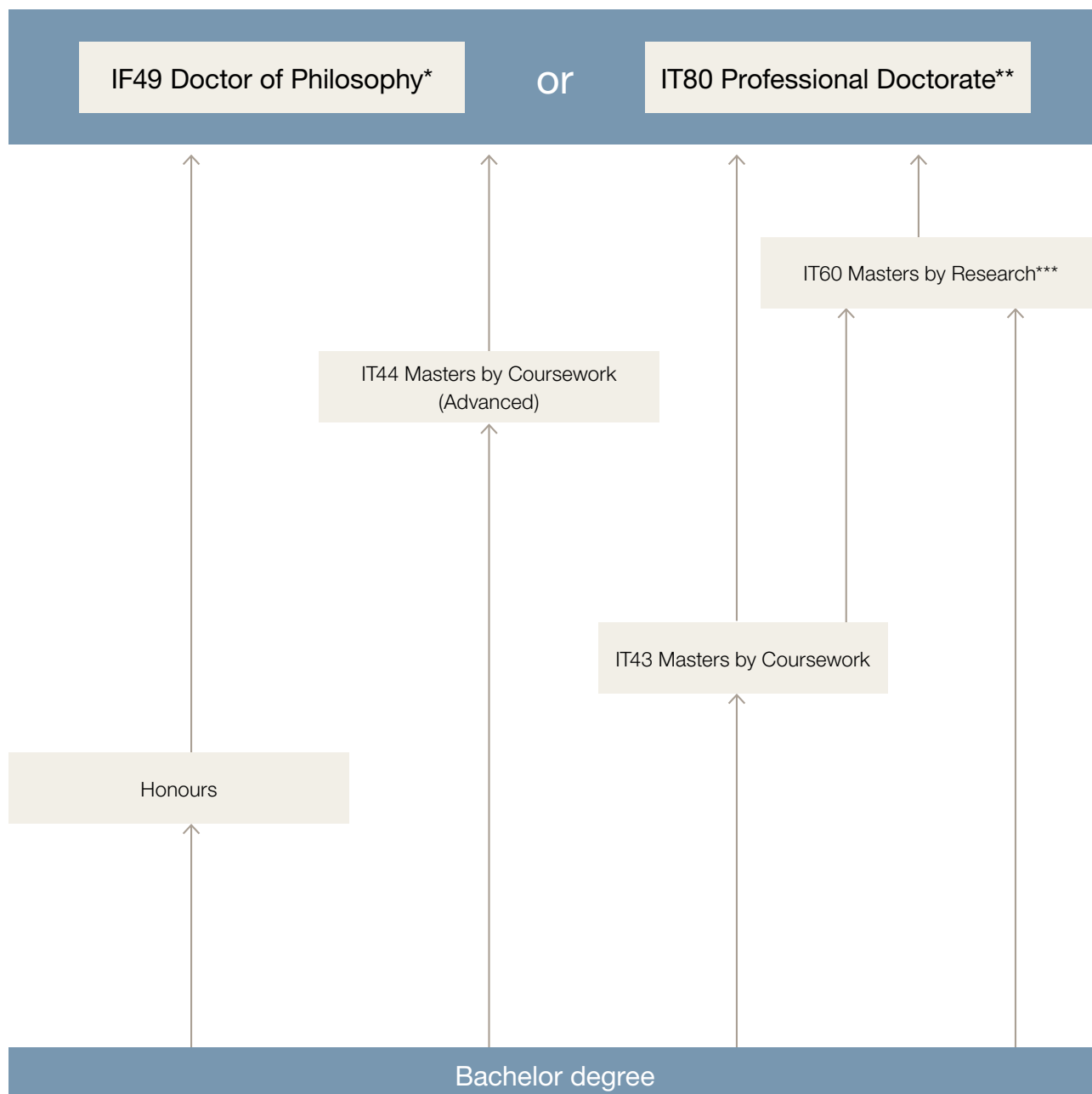
Visit [www.egradschool.edu.au](http://www.egradschool.edu.au)

### Grants-in-aid

QUT's grant-in-aid scheme allows you to seek assistance towards the costs of international travel related to your research. You can apply for a grant if you are presenting a paper at an international conference. Grants may also be used for overseas travel to use specialist equipment, consult important archives, or undertake field trips.

Visit [www.rsc.qut.edu.au/studentsstaff/grants](http://www.rsc.qut.edu.au/studentsstaff/grants)

# Pathways to a doctoral degree



Please note this is a summary document and you should consult the full entry requirements for the courses listed.

Entry to higher research degrees (Masters by Research, PhD and Professional Doctorate) is not solely on academic ability. The candidate must also have a suitable topic and supervisory team.

\* Academic requirements for PhD: Bachelor degree with first-class honours or second-class honours division A (grade point average [GPA] 5.5 and above), or research masters degree, or coursework masters degree with a research component of 33 per cent and GPA 5.0 and above.

\*\* Academic requirements for a Professional Doctorate: Bachelor degree with first-class honours or second-class honours division A (GPA 5.5 and above), research masters degree, bachelor degree and industry experience, or an equivalent combination of experience and/or education and training.

\*\*\* Masters by Research students may articulate to the PhD program after 12 months enrolment (full-time) and completion of the Articulation to PhD seminar.

# Honours programs

## ▮ Honours programs

**QUT Code** IT28 | **Campus** Gardens Point | **Duration** 2 semesters full-time or 4 semesters part-time |  
**Total Credit Points** 96 | **Entry** February, July and November

### ABOUT THIS COURSE

Through a combination of research and advanced coursework units, students can pursue specialised studies in a particular area of information technology. The course offers opportunities to cultivate research and development skills, to work on cutting-edge technology and provides access to specialist hardware and software. High-achieving honours graduates are eligible to enter the doctoral program and an honours degree generally results in a wider range of career opportunities, including research or teaching positions.

### ENTRY REQUIREMENTS

To be eligible for this course, applicants must have:

- a bachelor degree 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.

### COURSE STRUCTURE

The core of the Honours program is a 48-credit-point project that will provide students with the opportunity to learn about research by conducting a research project with an experienced researcher who acts as both supervisor and mentor. Students will learn the types of processes, creativity and analytical thinking that lead to scientific advances and how to communicate such findings in a rigorous scientific manner.

### ACCELERATED HONOURS PROGRAM

This program has been structured to provide an incentive for high-achieving information technology undergraduate students to continue into the Honours program. Admission to the program is normally by invitation from the Faculty and eligibility is based on a minimum grade point average of 5.5 (on a 7-point scale) in one of the information technology bachelor degrees.

The benefits of the program include:

- students can undertake a concurrent enrolment in the Honours program during the final semester of their undergraduate degree
- 12 credit points will be credited towards electives in a student's undergraduate degree on the basis of coursework studies completed in the Honours program
- students are able to complete a four-year program within three-and-a-half years
- students can commence the Accelerated Honours program in either first or second semester.

### FEES

For domestic and international fees please consult the fee schedules at [studentservices.qut.com](http://studentservices.qut.com) which are updated by 1 October each year. Commonwealth supported places are available for domestic students.

### FURTHER INFORMATION

Visit [www.scitech.qut.edu.au/research/postgradcourses.jsp](http://www.scitech.qut.edu.au/research/postgradcourses.jsp) or contact the Course Coordinator.

Email [infotech.research@qut.edu.au](mailto:infotech.research@qut.edu.au)

For other contact details visit [www.scitech.qut.edu.au/about/staff/facoffice/coordinator.jsp](http://www.scitech.qut.edu.au/about/staff/facoffice/coordinator.jsp)

# Research programs

## ► Master of Information Technology (Research)

**QUT Code** IT60 | **Campus** Gardens Point | **Duration** 3 semesters full-time or 6 semesters part-time |

**Total Credit Points** 144 | **Entry** at any time

### ABOUT THIS COURSE

The Master of Information Technology (Research) provides specialist education in information technology through a program that 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 the Faculty, in the student's place of employment or a sponsoring institution.

### ENTRY REQUIREMENTS

To be eligible for this course, applicants must have:

- an approved degree in information technology from a recognised tertiary institution or an equivalent qualification, with a grade point average of 5 (on a 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.

### COURSE STRUCTURE

The length of the program is generally expected to be 18 months full-time (including six months of provisional registration) or three years part-time (including one year of provisional registration). Students entering the degree with second-class honours division A (or better) in an IT-related course will often complete the degree in one year full-time.

Assessment for this research degree 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, face-to-face interaction with supervisors and to participate in University scholarly activities such as research seminars, teaching and publication.

### FEEES

For domestic and international fees please consult the fee schedules at [studentservices.qut.com](http://studentservices.qut.com) which are updated by 1 October each year.

Domestic: RTS (see page 32)

### FURTHER INFORMATION

Visit [www.scitech.qut.edu.au/research/postgradcourses.jsp](http://www.scitech.qut.edu.au/research/postgradcourses.jsp) or contact the Course Coordinator.

Email [infotech.research@qut.edu.au](mailto:infotech.research@qut.edu.au)

For other contact details visit [www.scitech.qut.edu.au/about/staff/facoffice/coordinator.jsp](http://www.scitech.qut.edu.au/about/staff/facoffice/coordinator.jsp)

## Doctor of Information Technology

**QUT Code** IT80 | **Campus** Gardens Point | **Duration** 2–3 years full-time or 4–6 years part-time |

**Total Credit Points** 288 | **Entry** at any time

### ABOUT THIS COURSE

The Doctor of Information Technology is a professional doctorate oriented towards the enhancement of professional practice and designed to focus on applied investigation and problem solving. It is appropriate for those wishing to pursue a problem within their workplace expertise. The course facilitates research aimed at improving professional practice in information technology and gives candidates an opportunity to engage in focused professional development.

This course is for individuals active in the industry, who are seeking a distinct career advantage by adding a highly respected qualification to their credentials. The structure of the professional doctorate is designed around the needs of the mature professional and can be undertaken on a part-time basis. The course provides candidates with a convenient and accessible study option to obtain a professional doctorate and is designed for those who:

- are in positions of responsibility in public and private sector organisations who wish to augment their knowledge expertise
- are seeking a competitive edge for career progression
- consult to businesses in the Australian and international context.

### ENTRY REQUIREMENTS

To be eligible for this course, applicants must have industry experience in a field relevant to the professional doctorate and possess one of the following:

- a four-year degree or its equivalent with first-class or second-class honours division A
- a masters degree
- a three-year bachelor degree and industry experience
- an equivalent combination of experience and/or education and training.

Students with exemplary professional practice who do not meet one of the above criteria may still be eligible to apply and should consult the course coordinator. Before submitting an application for enrolment, potential candidates should consult the course coordinator for assistance with preparation of the appropriate application form concerning eligibility and special interests.

### COURSE STRUCTURE

At least two-thirds of the degree is undertaken as a research project(s) and up to one-third of the program may be undertaken as coursework. Students are expected to develop a high level of research skill and analysis, make an original contribution to knowledge and equip themselves with expert knowledge to enhance their professional practice. The Faculty offers coursework units specifically designed to develop research techniques and critical subject knowledge in preparation for the research study. The Doctor of Information Technology provides focused research and coursework studies in the IT research areas. See page 21 for further details on our research strengths.

### FEES

For domestic and international fees please go to [studentservices.qut.com](http://studentservices.qut.com) and consult the fee schedules which are updated by 1 October each year.

### FURTHER INFORMATION

Visit [www.scitech.qut.edu.au/research/postgradcourses](http://www.scitech.qut.edu.au/research/postgradcourses) or to discuss the enrolment process, areas of research interest and to identify prospective research supervisors, contact the Course Coordinator.

Email [infotech.research@qut.edu.au](mailto:infotech.research@qut.edu.au)

For other contact details visit [www.scitech.qut.edu.au/about/staff/facoffice/coordinator.jsp](http://www.scitech.qut.edu.au/about/staff/facoffice/coordinator.jsp)

## ► Doctor of Philosophy (Information Technology)

**QUT Code** IF49 | **Campus** Gardens Point | **Duration** 3 years full-time or 4–6 years part-time | **Entry** at any time

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### ABOUT THIS COURSE

The Doctor of Philosophy (PhD) is awarded in recognition of a candidate's knowledge and education 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 significant and original adaptation, application and interpretation of existing knowledge.

Topics can 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. The candidate's PhD will be linked with one of the IT research areas, detailed on page 21.

### ENTRY REQUIREMENTS

To be eligible for this course, applicants must have a relevant first- or second-class division A honours degree or equivalent from QUT or another recognised institution.

### COURSE STRUCTURE

The length of the program is generally three years full-time (including one year of provisional registration) or six years 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 a thesis.

### FEES

For domestic and international fees please consult the fee schedules at [studentservices.qut.com](http://studentservices.qut.com) which are updated by 1 October each year.

Domestic: RTS (see page 32)

### FURTHER INFORMATION

Visit [www.scitech.qut.edu.au/research/postgradcourses.jsp](http://www.scitech.qut.edu.au/research/postgradcourses.jsp) or contact the Course Coordinator.

Email [infotech.research@qut.edu.au](mailto:infotech.research@qut.edu.au)

For other contact details visit [www.scitech.qut.edu.au/about/staff/facoffice/coordinator.jsp](http://www.scitech.qut.edu.au/about/staff/facoffice/coordinator.jsp)

# Applying for entry

## AUSTRALIAN AND NEW ZEALAND CITIZENS AND AUSTRALIAN PERMANENT RESIDENTS

For entry into QUT postgraduate programs, apply directly to the University using the appropriate application form.

### Research programs

If applying for entry to a masters by research, professional doctorate, or doctor of philosophy you need to apply using a postgraduate research (PR) form which can be submitted at any time.

To obtain a PR form phone 07 3138 4475, visit the Research Students Centre (O Block Podium, Level 3, Gardens Point campus), or go to [www.rsc.qut.edu.au](http://www.rsc.qut.edu.au)

### Coursework programs

If applying for entry to a graduate certificate, graduate diploma or masters by coursework program you need to apply using a postgraduate (PG) form. Forms are available at [studentservices.qut.com/apply/pg](http://studentservices.qut.com/apply/pg)

### Closing dates for coursework programs

**Semester 1** closing date is 23 January 2009. Late applications with a non-refundable \$50 late fee may be considered, and no further applications will be accepted beyond 6 February 2009.

**Semester 2** closing date is 19 June 2009. Late applications with a non-refundable \$50 late fee may be considered, and no further applications will be accepted beyond 3 July 2009.

**Summer Program** closing date is 30 October 2009. Late applications with a non-refundable \$50 late fee may be considered; however conditions apply.

### Admission to QUT courses

Entry is based on merit. QUT offers all courses subject to available quota places. Once the quota is filled, no further offers will be made. On request subsequent applications may be held over for the next available intake. Most applications will be processed within Student Business Services, but those which require further consideration within a faculty will take longer to finalise.

All qualifications referred to in entry requirements are Australian Qualifications Framework awards from the higher education sector or equivalent, and from recognised tertiary institutions. QUT will normally assess the equivalence of overseas qualifications as per, but not limited to, National Office of Overseas Skills Recognition guidelines (NOOSR).

### Articulation in postgraduate coursework nested programs

Student Business Services facilitate seamless articulation between postgraduate nested courses for current QUT students who wish, *upon successful course completion*, to immediately articulate to the next level of a postgraduate nested program in the very next teaching period. Students in this category are not required to complete a PG form. Visit [studentservices.qut.com/apply/pg/nested\\_courses](http://studentservices.qut.com/apply/pg/nested_courses)

If you are **not currently enrolled as a QUT student** but have previously completed the first level of a postgraduate coursework nested program at QUT, please complete a PG form.

### Advanced standing

You may be eligible for advanced standing if you have undertaken previous postgraduate study. Before completing an application you should search the QUT Advanced Standing Precedent List (ASPL) at [studentservices.qut.com/apply/advancedstanding](http://studentservices.qut.com/apply/advancedstanding) or available from a QUT student centre.

The ASPL is a compilation of established precedents of credit decisions and is intended as a guide only. The ASPL is subject to change at any time.

Complete an Advanced Standing (AS) form and attach to your PG form. AS forms can be downloaded from [studentservices.qut.com/info/forms](http://studentservices.qut.com/info/forms), or collected from a QUT student centre, and must be lodged by the closing date.

**Semester 1** closing date is 23 January 2009.

**Semester 2** closing date is 19 June 2009.

Applications received after the closing date will be accepted; however there is no guarantee that an outcome will be finalised by the last date to change enrolment for the teaching period. Applications submitted on or after the first day of a teaching period and up until the census date must be accompanied by a *non-refundable \$50 late application fee*.

## INTERNATIONAL STUDENTS

An international student is any student who is not an Australian or New Zealand citizen or Australian permanent resident at the commencement date of the course. Anyone holding a temporary or provisional resident visa is regarded as an international student.

International students on student visas must ensure that their enrolment enables them to complete their course within the duration of their student visa (the duration specified on their e-CoE).

Students apply by submitting a QUT International application form (F form) for coursework programs or an FR form for research courses to either QUT Admissions or one of QUT's authorised representatives. For more information or to download the forms visit [www.international.qut.edu.au/apply/submit](http://www.international.qut.edu.au/apply/submit)

Applications may be submitted electronically to [qut.intadmission@qut.edu.au](mailto:qut.intadmission@qut.edu.au)

If you need more information on QUT courses, fees or application procedures, contact:

### **QUT International**

Australia Freecall 1800 181 848

Phone +61 3 9627 4853

Fax +61 3 9627 4863

Email [qut.international@qut.edu.au](mailto:qut.international@qut.edu.au)

[www.international.qut.edu.au](http://www.international.qut.edu.au)

## ENGLISH PROFICIENCY REQUIREMENTS

All international applicants will be required to provide evidence of English proficiency. This also applies to domestic applicants who have completed prior studies in a language other than English. The standard for English proficiency is:

IELTS (academic)—minimum of 6.5 with no subtest below 6.0. QUT accepts results only on the academic strand.

TOEFL—minimum of 90 (iBT-Internet-based) or better with at least 20 in all bands; minimum of 575 (paper-based); or 230 (computer-based).

Any variations to this standard are indicated in individual course entries in this prospectus.

For full English language requirement details visit [www.international.qut.edu.au/english](http://www.international.qut.edu.au/english)

If you have not met the minimum English language requirement QUT can provide you with alternative pathway programs depending on your English test scores. You may also be offered a pathway program if you need a prerequisite subject in order to commence your postgraduate degree. Visit [www.qutic.qut.edu.au](http://www.qutic.qut.edu.au)

### **Domestic applicants**

If you have completed studies where English was the medium of instruction but not the first language of the country, please provide documentary evidence to confirm. The original test results certificate must be provided and certified copies will not be accepted.



# Do the figures

## STUDY COSTS

Fees for every QUT course are published on the Student Services website. For information regarding domestic fee liability, statements of account, census dates, withdrawal without financial penalty and other charges at QUT visit [studentservices.qut.com/costs](http://studentservices.qut.com/costs)

For information regarding international course fees visit [www.international.qut.edu.au/apply/cost](http://www.international.qut.edu.au/apply/cost)

### Type of offer

If successful, your letter of offer will state if the offer is for a tuition fee or a Commonwealth supported place. For more information about the type of offer visit [gettingstarted.qut.com](http://gettingstarted.qut.com)

### Higher Education Loan Programme (HELP)

HELP is a suite of loans provided by the Commonwealth for Australian and New Zealand citizens and holders of permanent resident and permanent humanitarian visas.

The majority of places in postgraduate courses at QUT are offered on a tuition fee-paying basis. Eligible students may apply for a loan through FEE-HELP to pay tuition fees. For details on eligibility visit [www.goingtouni.gov.au](http://www.goingtouni.gov.au) or [studentservices.qut.com/costs/help](http://studentservices.qut.com/costs/help)

There are a limited number of Commonwealth supported places in some postgraduate programs. Students in Commonwealth supported places are required to complete a Commonwealth assistance form. Australian citizens and holders of permanent humanitarian visas may defer their fees to HECS-HELP. New Zealand citizens and holders of permanent resident visas are required to pay their fees upfront. Visit [www.goingtouni.gov.au](http://www.goingtouni.gov.au) or [studentservices.qut.com/costs/help](http://studentservices.qut.com/costs/help)

### Government assistance

If you are studying a graduate diploma or graduate certificate, you may be eligible for Austudy or Abstudy. Visit [www.centrelink.gov.au](http://www.centrelink.gov.au)

## Tax deductions

As a postgraduate student you may be eligible to claim tax deductions against assessable income. Visit [www.ato.gov.au](http://www.ato.gov.au)

## Research Training Scheme (RTS)

Most research degrees are free for domestic students as long as the degree is completed within the Research Training Scheme (RTS) timeframe. Masters by Research and Doctor of Philosophy students who are Australian permanent residents or citizens will be awarded an RTS place. RTS entitlements cover tuition fees for the term of a student's candidature.

Where the maximum time has been exceeded, indicative fees of \$140 per credit point will apply.

Visit [www.rsc.qut.edu.au/future/apply/feesandcharges.jsp](http://www.rsc.qut.edu.au/future/apply/feesandcharges.jsp)

International students are required to pay tuition fees unless they have been offered a tuition fee scholarship.

## SCHOLARSHIPS

QUT offers a range of scholarships for postgraduate coursework and research students. For information and application forms visit [scholarships.qut.com](http://scholarships.qut.com)

A range of faculty, University and external scholarships are available for domestic and international research students. Visit [www.rsc.qut.edu.au/future/scholarships](http://www.rsc.qut.edu.au/future/scholarships) (domestic students), or [www.international.qut.edu.au/scholarships](http://www.international.qut.edu.au/scholarships) (international students).

## QUT CONTACTING YOU

QUT's preferred method of communication is email. Important correspondence regarding fees will be sent to your QUT student email address.





**Queensland University of Technology**  
Brisbane Australia

#### **Faculty contact**

**School of Information Technology**  
Phone 07 3138 2782  
Email [enquiry.scitech@qut.edu.au](mailto:enquiry.scitech@qut.edu.au)  
[www.scitech.qut.edu.au](http://www.scitech.qut.edu.au)

#### **General information**

**QUT Information Services**  
Phone 07 3138 2000  
Email [study@qut.com](mailto:study@qut.com)  
[studyfinder.qut.com](http://studyfinder.qut.com)

#### **International students**

Australia Freecall 1800 181 848  
Phone +61 3 9627 4853  
Fax +61 3 9627 4863  
Email [qut.international@qut.edu.au](mailto:qut.international@qut.edu.au)  
[www.international.qut.edu.au](http://www.international.qut.edu.au)

#### **Research Students Centre**

Gardens Point campus  
Level 3, O Block Podium  
Phone 07 3138 4475  
Email [research.enquiries@qut.edu.au](mailto:research.enquiries@qut.edu.au)  
[www.rsc.qut.edu.au](http://www.rsc.qut.edu.au)

CRICOS No.00213J

#### **Visit our Student Centres at:**

**Gardens Point** 2 George Street, Level 1, A Block | **Kelvin Grove** Victoria Park Road, Level 6, F Block