

Engineering and IT

Amazing new world



Flexible options

The Master of Engineering programs offer flexible study options responding to the competing needs of engineering professionals. All programs are available full-time or part-time, while environmental engineering is also offered online. As well as the one-year masters degree, students can exit with a one-semester graduate certificate or go further with a two-year Master of Engineering with Advanced Studies.

Expert teachers

With Griffith's emphasis on research, it's not surprising many lecturers are also active researchers in their field. This gives postgraduate students unrivalled opportunities to work on exciting real-world projects and make vital professional contacts.

Industry links

Griffith works closely with industry to develop postgraduate programs to meet the needs of business now and in the future. Our Software Quality Institute works with leading technology companies to develop bug-free software processes, while our environmental engineers are working with Queensland water authorities on the first major study of water-saving technology in Australian homes.

World-leading research

As a member of the Innovative Research Universities Australia alliance Griffith's teaching is underpinned by a commitment to research and development.



Griffith University is solving the e-waste problem one step at a time and has been appointed as the United Nation's e-waste research hub for the Asia-Pacific region.

In this section, you'll find program information on:	
Business	39
Data Management	40
eServices	41
Electronic and Computer Engineering	42
Engineering Management	42
Enterprise Architecture	42
Environmental Engineering	44
Information Systems	45
Information Technology	45
Networking and Security	45
Structural and Geotechnical Engineering	46
Waste Management	46
Water and Wastewater Management	47

Master Advanced Studies/Master: 1.5 years full-time or 3 years part-time; 120CP

GCert: 0.5 years full-time or 1 year part-time; 40CP

About this program
 Information technology affects all aspects of modern life and there is a worldwide shortage of information technology professionals. Its applications now include, not only commerce and science, but also health, education, engineering, transport, government, entertainment, sport, and social networking. It has become so complex that only well-educated professionals are capable of developing and applying information technology systems in modern organisations. Even professionals in other disciplines need a sound understanding of information technology to perform their own jobs efficiently and effectively.

These programs provide a comprehensive, modern postgraduate education in the principles and practice of information technology, with an emphasis on the development of both IT and business skills.

The honours program is offered for graduates interested in pursuing a research career. The advanced studies and professional programs cater for those interested in broadening their education prior to graduation.

Depending on the program completed, students will graduate with one of the following award titles on their testamur: Master of Information Technology (Business); Master of Information Technology Advanced Studies (Business); Master of Information Technology Professional (Business); Master of Information Technology with Honours (Business).

Business

Master of Information Technology with Honours (Business)—5545

Master of Information Technology Professional (Business)—5525

Master of Information Technology Advanced Studies (Business)—5543

Master of Information Technology (Business)—5523

South Bank/Nathan campus

Semester 1 or 2

Internal study on-campus (some Nathan campus courses are offered in late afternoon and evening for the benefit of part-time students and some courses are offered in intensive mode from December to February for the benefit of students wishing to complete their programs sooner).

Master Professional/Master with Honours: 2 years full-time or 4 years part-time; 160CP



Griffith research centres include the Centre for Intelligent and Integrated Systems where staff and students lead Australian forays into artificial intelligence for security and financial applications.

Entry requirements

Master Professional

- a bachelors degree from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average (GPA) of 4.5 on a 7 point scale or equivalent.

Master with Honours

Applicants who have completed the Master of Information Technology or the Master of Information Technology Advanced Studies or the first 80CP of the Master of Information Technology Professional and have achieved a GPA of at least 5.0 will be considered for entry to the Master of Information Technology with Honours. Admission is conditional upon the student obtaining research thesis proposal approval from the Honours Convenor including the nomination and written consent of a supervisor and associate supervisor.

Master Advanced Studies

- a bachelors degree in Information Technology from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average of 4.5 on a 7 point scale or equivalent.

Master

- a bachelors degree from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average (GPA) of 4.5 on a 7 point scale or equivalent.

Students who have completed a bachelors degree in information technology from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average (GPA) of 4.5 on a 7-point scale or equivalent, will be eligible to receive 40CP of advanced standing towards the Master of Information Technology in lieu of the introductory postgraduate courses.

Career outcomes

You'll have advanced skills in communication, problem solving, systems analysis, software development, and project management as well as sound knowledge of community expectations for information technology practitioners. You'll be prepared for a wide range of senior employment opportunities in the information technology industry.

Graduates of the Master of Information Technology with Honours will also be eligible to enrol for a research higher degree (refer to pages 102–107).

Data Management

Master of Information Technology with Honours (Data Management)—5545/5546

Master of Information Technology Professional (Data Management)—5525/5526

Master of Information Technology Advanced Studies (Data Management)—5543/5544

Master of Information Technology (Data Management)—5523/5524

Gold Coast/Nathan campus

Semester 1 or 2

Internal study on-campus (some Nathan campus courses are offered in late afternoon and evening for the benefit of part-time students and at both campuses some courses are offered in intensive mode from December to February for the benefit of students wishing to complete their programs sooner).

Master Professional/Master with Honours:

2 years full-time or 4 years part-time; 160CP

Master Advanced Studies/Master:

1.5 years full-time or 3 years part-time; 120CP

GCert:

0.5 years full-time or 1 year part-time; 40CP

About this program

These programs provide a comprehensive, modern postgraduate education in the principles and practice of information technology, with an emphasis on the underlying technology, administration and application of data management systems.

The honours program is offered for graduates interested in pursuing a research career. The advanced studies and professional programs cater for those interested in broadening their education prior to graduation.

Depending on the program completed, students will graduate with one of the following award titles on their testamur: Master of Information Technology (Data Management); Master of Information Technology Advanced Studies (Data Management); Master of Information Technology Professional (Data Management); Master of Information Technology with Honours (Data Management).

Entry requirements

Master Professional

- a bachelors degree from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average (GPA) of 4.5 on a 7 point scale or equivalent.

Master with Honours

Applicants who have completed the Master of Information Technology or the Master of Information Technology Advanced Studies or the first 80CP of the Master of Information Technology Professional and have achieved a GPA of at least 5.0 will be considered for entry to the Master of Information Technology with Honours. Admission is conditional upon the student obtaining research thesis proposal approval from the Honours Convenor including the nomination and written consent of a supervisor and associate supervisor.

Master Advanced Studies

- a bachelors degree in Information Technology from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average of 4.5 on a 7 point scale or equivalent..

Master

- a bachelors degree from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average (GPA) of 4.5 on a 7 point scale or equivalent.

Students who have completed a bachelors degree in information technology from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average (GPA) of 4.5 on a 7-point scale or equivalent, will be eligible to receive 40CP of advanced standing towards the Master of Information Technology in lieu of the introductory postgraduate courses.

Professional recognition

Accredited at the professional level by the Australian Computer Society—www.acs.org.au

Career outcomes

You'll have advanced skills in communication, problem solving, systems analysis, software development, and project management as well as sound knowledge of community expectations for information technology practitioners.

You'll be prepared for a wide range of senior employment opportunities in the information technology industry.

Graduates of the Master of Information Technology with Honours will also be eligible to enrol for a research higher degree (refer to pages 102–107).

eServices

Master of Information Technology with Honours (eServices)—5545

Master of Information Technology Professional (eServices)—5525

Master of Information Technology Advanced Studies (eServices)—5543

Master of Information Technology (eServices)—5523

Nathan campus

Semester 1 or 2

Internal study on-campus (some Nathan campus courses are offered in late afternoon and evening for the benefit of part-time students and some courses are offered in intensive mode from December to February for the benefit of students wishing to complete their programs sooner).

Master Professional/Master with Honours:
2 years full-time or 4 years part-time; 160CP

Master Advanced Studies/Master:
1.5 years full-time or 3 years part-time; 120CP

GCert: 0.5 years full-time or 1 year part-time; 40CP

About this program

These programs in eServices (including eCommerce) provide a comprehensive, modern postgraduate education in the principles and practice of information technology, with an emphasis on the underlying technology, planning and management of Internet-based services used in commerce, education, health, science, public administration, and many other disciplines.

The honours program is offered for graduates interested in pursuing a research career. The advanced studies and professional degrees cater for those interested in broadening their education prior to graduation.

Depending on the program completed, students will graduate with one of the following award titles on their testamur: Master of Information Technology (eServices); Master of Information Technology Advanced Studies (eServices); Master of Information Technology Professional (eServices); Master of Information Technology with Honours (eServices).

Entry requirements

Master Professional

- a bachelors degree from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average (GPA) of 4.5 on a 7 point scale or equivalent.

Master with Honours

Applicants who have completed the Master of Information Technology or the Master of Information Technology Advanced Studies or the first 80CP of the Master of Information Technology Professional and have achieved a GPA of at least 5.0 will be considered for entry to the Master of Information Technology with Honours. Admission is conditional upon the student obtaining research thesis proposal approval from the Honours Convenor including the nomination and written consent of a supervisor and associate supervisor.

Master Advanced Studies

- a bachelors degree in Information Technology from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average of 4.5 on a 7 point scale or equivalent.

Master

- a bachelors degree from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average (GPA) of 4.5 on a 7 point scale or equivalent.

Students who have completed a bachelors degree in information technology from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average (GPA) of 4.5 on a 7-point scale or equivalent, will be eligible to receive 40CP of advanced standing towards the Master of Information Technology in lieu of the introductory postgraduate courses.

Professional recognition

Accredited at the professional level by the Australian Computer Society—www.acs.org.au

Career outcomes

You'll be prepared for a wide range of senior employment opportunities in the information technology industry. You'll have advanced skills in communication, problem solving, systems analysis, software development, and project management as well as a sound knowledge of community expectations for information technology practitioners.

Graduates of the Master of Information Technology with Honours will also be eligible to enrol for a research higher degree (refer to pages 102–107).

Electronic and Computer Engineering

Master of Engineering with Advanced Studies (Electronic and Computer Engineering)—5529

Master of Engineering (Electronic and Computer Engineering)—5468

Graduate Certificate in Engineering (Electronic and Computer Engineering)—3206

Nathan campus

Semester 1 or 2

Internal study on-campus

Master Adv: 2 years full-time or 4 years part-time; 160CP

Master: 1 year full-time or 2 years part-time; 80CP

GCert: 0.5 years full-time or 1 year part-time; 40CP

About this program

These programs equip graduate engineers with advanced skill levels in a wide variety of engineering fields by providing advanced academic knowledge and advanced practical and problem-solving skills.

Graduates of the dissertation component can apply for a research higher degree (PhD/MPhil) to pursue further research studies in their discipline (refer to pages 102–107).

Entry requirements

- an approved bachelors degree in engineering (or equivalent).

Career outcomes

You'll develop your knowledge to an advanced level in both general professional and technical areas, in particular in specialist VLSI design (including chip fabrication), MEMs, digital signal processing, semiconductor devices, communications systems and networks, biomedical applications, computer systems and control systems.

Engineering Management

Master of Engineering with Advanced Studies (Engineering Management)—5528

Master of Engineering (Engineering Management)—5467

Graduate Certificate in Engineering (Engineering Management)—3205

Gold Coast campus

Semester 1 or 2

Internal study on-campus

Master Adv: 2 years full-time or 4 years part-time; 160CP

Master: 1 year full-time or 2 years part-time; 80CP

GCert: 0.5 years full-time or 1 year part-time; 40CP

About this program

These programs equip graduate engineers with advanced skill levels in a wide variety of engineering fields by providing advanced academic knowledge and advanced practical and problem-solving skills.

Many engineers with some experience in engineering practice seek additional project management skills. These programs provide graduates with the skills to make responsible engineering management decisions integrating organisational, technical, economic and human resource considerations and an appreciation of sustainable engineering development.

Graduates of the dissertation component can apply for a research higher degree (PhD/ MPhil) to pursue further research studies in their discipline (refer to pages 102–107).

Entry requirements

- an approved bachelors degree in engineering (or equivalent).

Career outcomes

You'll seek employment in consultation, project management, site management, contract administration and planning. Australia currently has a shortage of professionally recognised engineers with project management qualifications.

Enterprise Architecture

Master of Information Technology with Honours (Enterprise Architecture)—5545

Master of Information Technology Professional (Enterprise Architecture)—5525

Master of Information Technology Advanced Studies (Enterprise Architecture)—5543

Master of Information Technology (Enterprise Architecture)—5523

Nathan campus

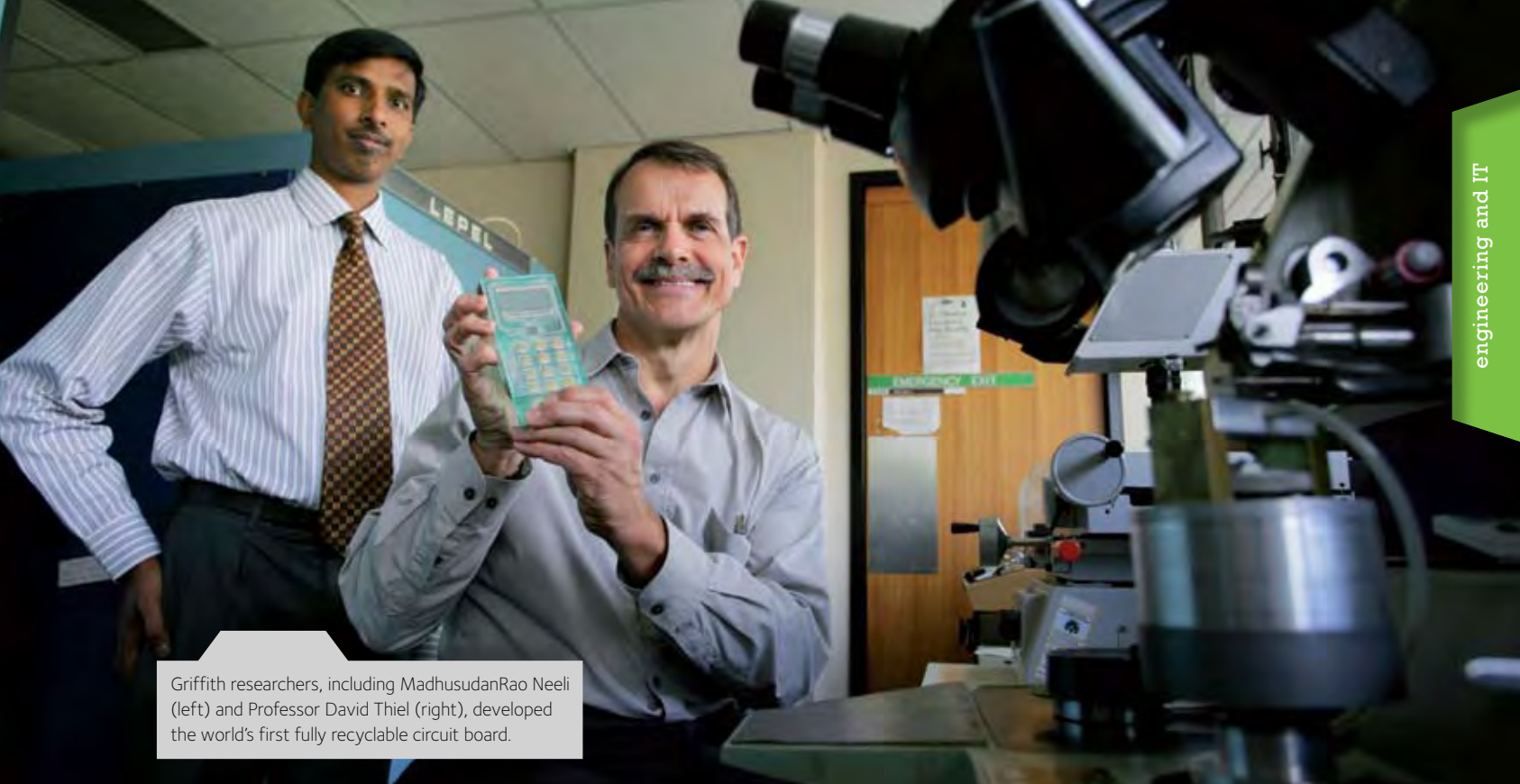
Semester 1 or 2

Internal study on-campus (some Nathan campus courses are offered in late afternoon and evening for the benefit of part-time students and some courses are offered in intensive mode from December to February for the benefit of students wishing to complete their programs sooner).

Master Professional/Master with Honours: 2 years full-time or 4 years part-time; 160CP

Master Advanced Studies/Master: 1.5 years full-time or 3 years part-time; 120CP

GCert: 0.5 years full-time or 1 year part-time; 40CP



Griffith researchers, including MadhusudanRao Neeli (left) and Professor David Thiel (right), developed the world's first fully recyclable circuit board.

About this program

These programs provide a comprehensive, modern postgraduate education in the principles and practice of information technology and provide an emphasis on the application of information technology to model, support and manage modern, flexible, organisations.

The honours program is offered for graduates interested in pursuing a research career. The advanced studies and professional degrees cater for those interested in broadening their education prior to graduation.

Depending on the program completed, students will graduate with one of the following award titles on their testamur: Master of Information Technology (Enterprise Architecture); Master of Information Technology Advanced Studies (Enterprise Architecture); Master of Information Technology Professional (Enterprise Architecture); Master of Information Technology with Honours (Enterprise Architecture).

Entry requirements

Master Professional

- a bachelors degree from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average (GPA) of 4.5 on a 7 point scale or equivalent.

Master with Honours

Applicants who have completed the Master of Information Technology or the Master of Information Technology Advanced Studies or the first 80CP of the Master of Information Technology Professional and have achieved a GPA of at least 5.0 will be considered for entry to the Master of Information Technology with Honours. Admission is conditional upon the student obtaining research thesis proposal approval from the Honours Convenor including the nomination and written consent of a supervisor and associate supervisor.

Master Advanced Studies

- a bachelors degree in Information Technology from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average of 4.5 on a 7 point scale or equivalent.

Master

- a bachelors degree from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average (GPA) of 4.5 on a 7 point scale or equivalent.

Students who have completed a bachelors degree in information technology from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average (GPA) of 4.5 on a 7-point scale or equivalent, will be eligible to receive 40CP of advanced standing towards the Master of Information Technology in lieu of the introductory postgraduate courses.

Professional recognition

Accredited at the professional level by the Australian Computer Society—www.acs.org.au

Career outcomes

You'll be prepared for a wide range of senior employment opportunities in the information technology industry, with particular opportunities to apply information technology to modern business management problems. You'll have advanced skills in communication, problem solving, systems analysis, software engineering and information technology development and project management. You'll also have a sound knowledge of community expectations for information technology practitioners.

Graduates of the Master of Information Technology with Honours will also be eligible to enrol for a research higher degree (refer to pages 102–107).

Master of Enterprise Architecture with Honours—5495

Master of Enterprise Architecture with Advanced Studies—5494

Master of Enterprise Architecture—5493

Graduate Certificate in Enterprise Architecture—3259

Nathan campus

Semester 1 or 2

Internal study on-campus (courses are offered in late afternoon and evening for the benefit of part-time students and in intensive mode from December to February for the benefit of students wishing to complete their programs sooner) and/or external study off-campus via flexible delivery. Courses in the Graduate Certificate can be studied online.

Master Advanced Studies/ Master with Honours:

1.5 years full-time or 3 years part-time; 120–140CP*

Master: 1 year full-time or 2 years part-time; 80–100CP*

GCert: 0.5 years full-time; 40CP

* Depending upon qualifications and professional background, you may be eligible to receive 20CP of advanced standing towards the Masters programs.

About this program

These programs provide a comprehensive, modern postgraduate education in the principles and practice of enterprise architecture (EA), a discipline unifying management and engineering knowledge.

An enterprise architect has good understanding of strategy making and how strategies can be successfully implemented through a coordinated practice that harmonises business needs with the development of technology and the development of the organisation.

Suiting entrants from IT, engineering or business backgrounds, these programs cover the practical skills and knowledge of EA, the study of relevant international and industry standards, as well as the theoretical underpinnings of EA which allow you to remain at the forefront of EA practice.

The Graduate Certificate program provides students with a basic understanding of EA principles and applications and provides an articulation pathway into the Master of Enterprise Architecture to enable students to undertake further study in this area. Graduates of the masters program with an interest in research may, if eligible, continue to an honours degree and those with an interest in broadening their education or gaining more practical experience before seeking employment may continue to the advanced studies program.

Entry requirements

Master with Honours

- a grade point average of at least 5.0 on a 7.0 scale over all courses in the Griffith University Master of Enterprise Architecture up to the point of entry into the honours program
- successful completion of the Research Methods in IT course
- Admission is also conditional upon a research proposal approved by the honours convenor including the nomination and consent of a supervisor.

Master with Advanced Studies

- a grade point average of at least 4.5 on a 7.0 scale over all courses in the Griffith University Master of Enterprise Architecture up to the point of entry into the advanced studies program.

Master/Graduate Certificate

- a bachelors degree in information technology, engineering or business or a related discipline with a grade point average of at least 4.5 on a 7.0 scale in the bachelors degree
- minimum of one year equivalent fulltime work experience in a business environment.

Career outcomes

You'll be prepared for a wide range of senior employment opportunities in the information technology industry, with particular opportunities to apply information technology to modern business management problems.

Graduates of the Master of Enterprise Architecture with Honours will also be eligible to enrol for a research higher degree (refer to pages 102–107).

Environmental Engineering

Master of Engineering with Advanced Studies (Environmental Engineering)—5529

Master of Engineering (Environmental Engineering)—5468

Graduate Certificate in Engineering (Environmental Engineering)—3206

Nathan campus

Semester 1 or 2

Internal study on-campus and/or external study off-campus

Master Adv: 2 years full-time or 4 years part-time; 160CP

Master: 1 year full-time or 2 years part-time; 80CP

GCert: 0.5 years full-time or 1 year part-time; 40CP

About this program

These programs equip graduate engineers with advanced skill levels in a wide variety of engineering fields by providing advanced academic knowledge and advanced practical and problem-solving skills.

You'll develop a broad perspective on environmental problems and issues and have the opportunity to specialise in areas such as waste management, air, water, land and noise pollution control, and contaminated site rehabilitation.

Graduates of the dissertation component can apply for a research higher degree (PhD/MPhil) to pursue further research studies in their discipline (refer to pages 102–107).

Entry requirements

- an approved bachelors degree in engineering (or equivalent)

or

- applicants with a non-engineering background with relevant work experience may be considered.

Career outcomes

With expertise to formulate solutions to environmental problems, you'll be competitive in seeking employment in environment-related fields and in advancing your professional career.



Griffith is home to the Queensland Microtechnology Facility, where Griffith engineering staff and students are working on behalf of the Queensland Government and major electronics companies to develop next-generation microchip technology.

Information Systems

Master of Information Systems/Master of Information Technology—5539

This program encompasses the principles and practice of information technology combined with management tools and practices, and the capacity to use that knowledge.

For full details, refer to page 24 of the Business and Commerce section of this guide.

Information Technology

Graduate Certificate in Information Technology—3219/3220

Gold Coast or Nathan campus

Semester 1 or 2

0.5 years full-time or 1 year part-time; 40CP

About this program

This program equips graduates from other disciplines with core information technology knowledge and skills. It also provides for students who would like to upgrade their skills with knowledge in a variety of areas within the discipline of information technology. Graduates of this program will be prepared for entry-level employment opportunities in the information technology industry and, more importantly, for entry into Griffith's Master of Information Technology programs.

Entry requirements

- a bachelors degree from a recognised University or other tertiary education institution of equivalent standing, with a minimum grade point average of 4.5 on a 7 point scale or equivalent.

Career outcomes

Graduates will be prepared for entry-level employment opportunities in the information technology industry or those who already have an IT background will build upon their knowledge and skills in IT. Importantly, the program also prepares you for entry into the Master of Information Technology.

Networking and Security

Master of Information Technology with Honours (Networking and Security)—5546

Master of Information Technology Professional (Networking and Security)—5526

Master of Information Technology Advanced Studies (Networking and Security)—5544

Master of Information Technology (Networking and Security)—5524

Gold Coast campus

Semester 1 or 2

Internal study on-campus (some Nathan campus courses are offered in late afternoon and evening for the benefit of part-time students and some courses are offered in intensive mode from December to February for the benefit of students wishing to complete their programs sooner).

Master Professional/Master with Honours:

2 years full-time or 4 years part-time; 160CP

Master Advanced/Master:

1.5 years full-time or 3 years part-time; 120CP

GCert:

0.5 years full-time or 1 year part-time; 40CP

About this program

These programs provide a comprehensive, modern postgraduate education in the principles and practice of information technology, with an emphasis on the underlying technology and management of networking applications and security systems.

The honours program is offered for graduates interested in pursuing a research career. The advanced studies and professional degrees cater for those interested in broadening their education prior to graduation.

Depending on the program completed, students will graduate with one of the following award titles on their testamur: Master of Information Technology (Networking and Security); Master of Information Technology Advanced Studies (Networking and Security); Master of Information Technology Professional (Networking and Security); Master of Information Technology with Honours (Networking and Security).

Entry requirements

Master Professional

- a bachelors degree from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average (GPA) of 4.5 on a 7 point scale or equivalent.

Master with Honours

Applicants who have completed the Master of Information Technology or the Master of Information Technology Advanced Studies or the first 80CP of the Master of Information Technology Professional and have achieved a GPA of at least 5.0 will be considered for entry to the Master of Information Technology with Honours. Admission is conditional upon the student obtaining research thesis proposal approval from the Honours Convenor including the nomination and written consent of a supervisor and associate supervisor.

Master Advanced Studies

- a bachelors degree in Information Technology from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average of 4.5 on a 7 point scale or equivalent.

Master

- a bachelors degree from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average (GPA) of 4.5 on a 7 point scale or equivalent.

Students who have completed a bachelors degree in information technology from a recognised university or other tertiary education institution of equivalent standing, with a minimum grade point average (GPA) of 4.5 on a 7-point scale or equivalent, will be eligible to receive 40CP of advanced standing towards the Master of Information Technology in lieu of the introductory postgraduate courses.

Professional recognition

Accredited at the professional level by the Australian Computer Society—www.acs.org.au

Career outcomes

You'll be prepared for a wide range of senior employment opportunities in the information technology industry, with particular opportunities to work as networking and security specialists. You'll have advanced skills in communication, problem solving, systems analysis, software development, and project management as well as sound knowledge of community expectations for information technology practitioners and detailed knowledge of your selected specialisation.

Graduates of the Master of Information Technology with Honours will also be eligible to enrol for a research higher degree (refer to pages 102–107).

Structural and Geotechnical Engineering

Master of Engineering with Advanced Studies (Structural and Geotechnical Engineering)—5528

Master of Engineering (Structural and Geotechnical Engineering)—5467

Graduate Certificate in Engineering (Structural and Geotechnical Engineering)—3205

Gold Coast campus

Semester 1 or 2

Internal study on-campus

Master Adv: 2 years full-time or 4 years part-time; 160CP

Master: 1 year full-time or 2 years part-time; 80CP

GCert: 0.5 years full-time or 1 year part-time; 40CP

About this program

These programs equip graduate engineers with advanced skill levels in a wide variety of engineering fields by providing advanced academic knowledge and advanced practical and problem-solving skills.

Graduates of the dissertation component can apply for a research higher degree (PhD/MPhil) to pursue further research studies in their discipline (refer to pages 102–107).

Entry requirements

- an approved bachelors degree in engineering (or equivalent).

Career outcomes

You'll have advanced skills in the analysis, design and construction of building and bridge structures, and seek employment in design, engineering consultation, project management, site management, and contract administration and planning.

Waste Management

Graduate Certificate in Waste Management—3038

Nathan campus

Semester 1 or 2

External study off-campus

1 year part-time; 40CP

About this program

This program provides essential knowledge to formulate sustainable solutions to problems associated with waste generation. The program suits the requirements of a variety of professionals (engineering and non-engineering) working in waste-related areas.

The program is offered in external mode, with no requirement for on-campus attendance. You'll be provided course materials via a variety of means, including printed materials and via the Learning@Griffith website.

Students generally undertake the program on a part-time basis, enrolling in 2 courses per semester (20CP). If it suits you, some courses may be taken at the Nathan campus. Students who successfully complete the Graduate Certificate in Waste Management are permitted to articulate into the Master of Engineering [5468] offered by the Griffith School of Engineering.

Entry requirements

- a relevant four year degree

or

- a relevant three year degree with suitable work experience subject to approval by the program convenor

or

- a relevant postgraduate degree

Candidates who do not have a degree but have other relevant studies and at least five years relevant work experience, may also be admitted subject to approval by the program convenor.

Career outcomes

The program enhances the careers of professionals (engineering and non-engineering) working in waste management in the public sector (for example federal, state and local government) and in the private sector (for example manufacturing and service industries, consulting firms). This program will also allow recent graduates to enter into a waste management career.



Staff and students at the Centre for Infrastructure Engineering Management are founding members of the National Climate Change Adaptation Facility, working to develop robust infrastructure better able to withstand climate-driven disasters.

Water and Wastewater Management

Graduate Certificate in Water and Wastewater Management—3222

Nathan campus

Semester 1

Internal study on-campus and external study off-campus

1 year part-time; 40CP

About this program

This program provides you with specialised training and required knowledge in the planning, design, implementation and management of projects in water and wastewater industries. It covers water and wastewater management and treatment technologies, industrial water and wastewater treatment, and wetland systems for integrated water and wastewater management.

This program is offered part-time, on-campus and off-campus. Resources may be available via the Internet.

Completing the Graduate Certificate in Water and Wastewater Management permits entry to the Master of Engineering (5468).

Entry requirements

- a relevant four-year degree

or

- a relevant three-year degree with two years work experience in a related field subject to approval by the program convenor

or

- a relevant postgraduate degree.

Candidates who do not have a degree but have other relevant studies and at least five years work experience in a related field may also be admitted subject to approval by the program convenor.

Career outcomes

You'll be able to perform in a wide range of positions in water and wastewater industries, such as treatment process design, implementation and operation, project management and consulting, and policy and strategy development. Opportunities can be found with consulting firms, water supplier and wastewater treatment plants, and government authorities dealing with environmental and waste management issues.

Want to know more?

For more detailed information about any of our Engineering and Information Technology programs on offer, telephone 1800 303 603 or visit us online at griffith.edu.au/postgraduate