

- software engineering
 - networking, or
 - network commerce
- understand a broad range of topics in information technology
 - design, manage and develop software systems and networks in an effective manner
 - lead discussions relating to the computing aspects of their workplace
 - become better problem-solvers and innovative thinkers, who are able to learn new skills independently and efficiently and consequently to succeed in a competitive professional environment
 - identify information needs appropriate to their area of specialisation, and apply the techniques required to gather and interpret such information
 - demonstrate skills in the analysis and determination of technological issues at management level
 - identify, analyse and solve problems in one or more areas of technology by selecting and using either quantitative or qualitative techniques appropriate to the resolution of technological problems
 - satisfy academic admission requirements for membership of relevant professional bodies
 - identify, interpret and evaluate major issues in a range of contemporary business information technology areas
 - apply acquired knowledge associated with their studies to work environments
 - articulate the principal theories, concepts and applications associated with their selected business information technology area(s)
 - understand and act in accordance with the ethics of their profession.

Graduates may be able to pursue USQ Doctor of Philosophy (PhD) if the program includes 4 units of research ([MSC8001](#) and [MSC8002](#)) and achieve a GPA of 5.5 or higher.

Admission requirements

To qualify for entry to the program, applicants must:

- (1) hold a Bachelor's degree from an Australian university or equivalent **and**
- (2) have introductory knowledge of computing, consistent with that found in:

- [MAT1101 Discrete Mathematics for Computing](#) **and**
- [CSC1401 Foundation Programming](#) **and**
- [CIS1000 Information Systems Concepts](#)

This knowledge and skills can be acquired by:

- completing these courses as a USQ student in an award or non-award program; or
- studying equivalent courses at other universities; or
- work experience, in which case a 1 0 0 1 651 0 0 1 79.371 278.95841921 4.sro89 652.957 Tm(v538ence, in whiv 1 suit

Domestic full fee paying place

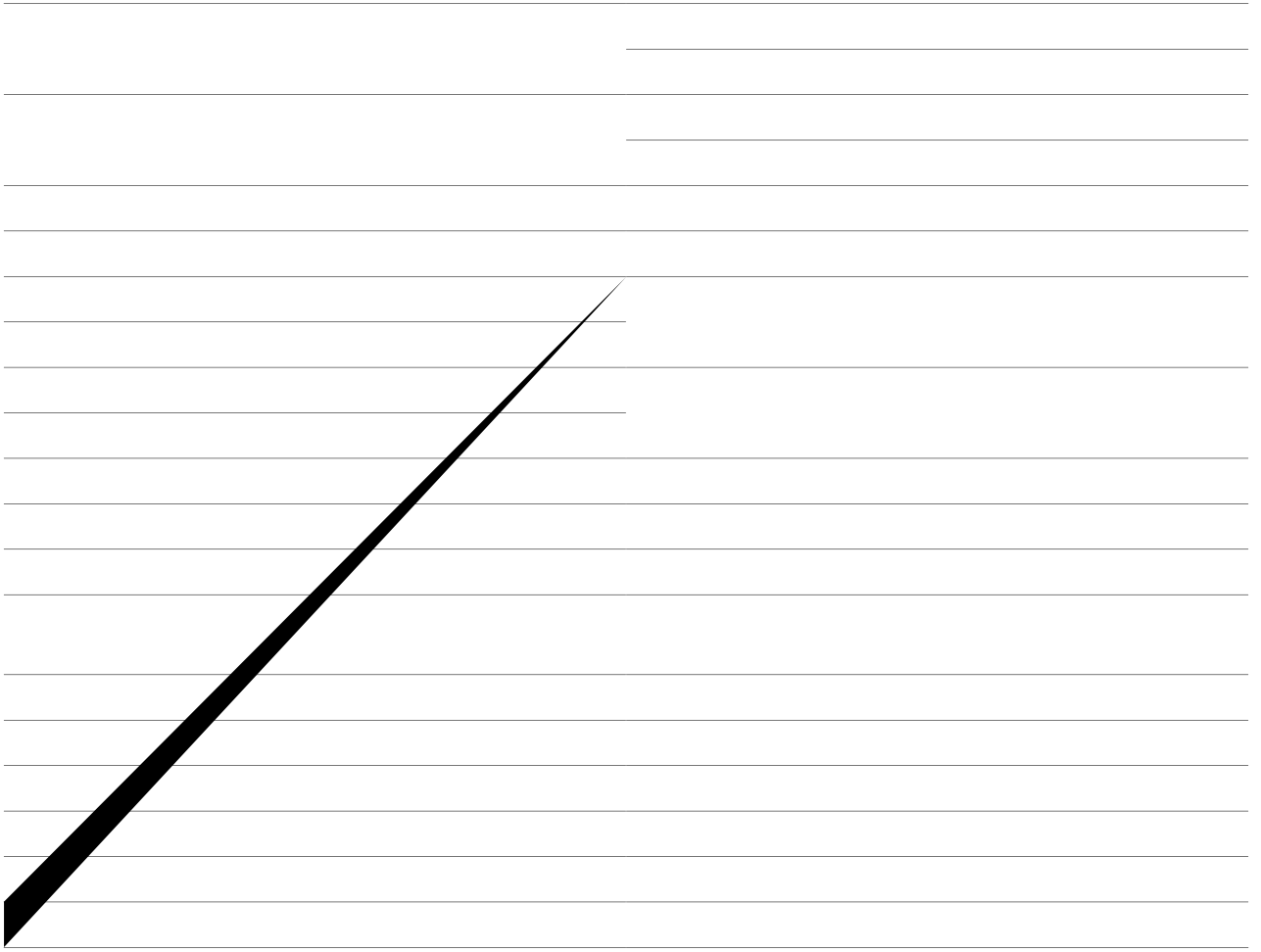
Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. You are able to calculate the fees for a particular course via the [Course Fee Finder](#).

Domestic full fee paying students may be eligible to defer their fees through a Government loan called [FEE-HELP](#) provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for [FEE-Help](#).

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, via distance education/online. You are able to calculate the fees for a particular course via the [Course Fee Finder](#)



Networking and System Security	CSC2402 Object-Oriented Programming in C++
	CSC2408 Software Development Tools
	CSC3412 System and Security Administration
	CSC3407 Network Fundamentals and Routing
	CSC3413 Network Design and Analysis
	CSC3427 Switching, Wireless and WAN Technologies
	CSC8407 Wireless and Internet Technology
	CSC8421 Network Security
	CSC8415 Computer Network Programming
	CSC8419 Cryptography and Security
	Two level 8 electives subject to the restrictions listed in the Program Structure
	MCTE: Four CSC electives ^subject to the restrictions listed in the Program Structure*#

Footnotes

^ CSC electives are USQ courses whose course code start with CSC2xxx, CSC3xxx or CSC8xxx.

* Student must replace the four CSC electives with MSC8001 and MSC8002 if they wish to enrol in USQ PhD program after completing MCTE.

Both MSC8001 and MSC8002 are 2 unit courses.

This list of postgraduate courses may vary from time to time as the range of courses offered within the University changes. Individual postgraduate courses which are relevant to the goals of a student and consistent with the purposes of this program may be allowed at the discretion of the Faculty of Health, Engineering and Sciences.

Required time limits

Students have a maximum of 4.5 years to complete MCOT and 6 years to complete MCTE.

IT requirements

All students are required to have access to the Internet and to a personal computer running Microsoft Windows and Linux. The Department provides assistance with installing Linux for students who may not have done so before.

Students should visit the USQ [minimum computing standards](#) to check that their computers are capable of running the appropriate software and versions of Internet web browsers and to check the minimum and recommended standards for software.

Compliance with these recommendations will ensure students receive the computing help needed if experiencing problems. Macintosh computers are not recommended due to the software used in the courses. Software is specified on a course-by-course basis and, in some instances, it is provided with the textbook required for the course.

The University has installed a wireless network for students' computers. In order to take advantage of this facility and further enhance their on-campus learning environment, students should consider purchasing a notebook/laptop computer with wireless connectivity. A notebook/laptop may be required for some courses.

Articulation

Upon successful completion of the [GDTI Graduate Diploma of Information Technology](#), students may articulate into the Master of Computing Technology (MCOT) with up to a maximum of four credit units exemption from the GDTI to MCOT in accordance with the MCOT requirements.

Upon successful completion of the [GDTI Graduate Diploma of Information Technology](#), students may articulate into the Master of Computing Technology (Extended) (MCTE) with up to a maximum of four credit units exemption from the GDTI to MCTE in accordance with the MCTE requirements.

PhD Program entry requirements

Students wishing to enrol in the USQ Doctor of Philosophy (PhD) program must complete the Master of Computing Technology (Extended) which

- includes MSC8001 and MSC8002
- includes at least four level 8 CSC courses