

# Master of Computing Technology, Master of Computing Technology (Extended) (MCOTorMCTE) - MCOT, MCTE

CRICOS code (International applicants): Master of Computing Technology (MCOT) 069702M; Master of Computing Technology (Extended) (MCTE) 069703K

**This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area should consider the [Master of Information Technology](#) which will be offered from Semester 1, 2015.**

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- 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 be eligible for admission, applicants must satisfy the following requirements:

- (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 applicants will need to provide suitable evidence of the acquisition of the skills and knowledge.

All students are required to satisfy the applicable [English language requirements](#).

If students do not meet the English language requirements they may apply to study a University-approved [English language program](#)

### **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. Students are able to calculate the fees for a particular course via the [Course Fee Schedule](#)

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. Students are able to calculate the fees for a particular course via the [Course Fee Schedules](#).

### **Program structure**

Master of Computing Technology (MCOT) consists of 12 units of courses subject to the following restrictions:

- at least six units of Level 8 courses of which at most two may come from outside the following Group 3 CSC courses
- no Level 1 courses will be credited towards the program
- no more than three units of courses may be at Level 2
- no more than two units of courses at Level 2 and 3 may come from outside the following Group 1 and Group 2 CSC courses.

Master of Computing Technology (Extended) (MCTE) consists of 16 units of courses subject to the follo

CSC2408 Software Development Tools	CSC2404 Operating Systems
	CSC2406 Web Technology 1
MAT2409 High Performance Numerical Computing	CSC2407 Introduction to Software Engineering
	CSC2408 Software Development Tools
<b>Group 2 Courses</b>	
<b>Semester 1</b>	<b>Semester 2</b>
CSC3400 Database Systems	CSC3413 Network Design and Analysis
CSC3403 Comparative Programming Languages	
CSC3407 Network Fundamentals and Routing	CSC3427 Switching, Wireless and WAN Technologies
CSC3412 System and Security Administration	
<b>Group 3 Courses</b>	
<b>Semester 1</b>	<b>Semester 2</b>
CSC8407 Wireless and Internet Technology	CSC8409
CSC8410 Independent Studies in Computing/Mathematics/Statistics A	CSC8411 Independent Studies in Computing/Mathematics/Statistics B
CSC8419	CSC8420 Mobile Systems
CSC8480 Computing Complementary Studies A	CSC8490 Computing Complementary Studies B
CSC8416	CSC8421
CSC8417	CSC8415 Computer Network Programming
MSC8001 Research Project I <sup>*#</sup>	MSC8001 Research Project I <sup>*#</sup>
MSC8002 Research Project II <sup>*#</sup>	MSC8002 Research Project II <sup>*#</sup>

#### Footnotes

\* Enrolment into the courses MSC8001 and MSC8002 are subjected to availability of research projects and approval from project supervisors.

# Both MSC8001 and MSC8002 are 2 unit courses.

Students may undertake a major in one of the fields shown in the following table by completing the associated courses. A major represents a grouping of related courses. Note that it is not compulsory to undertake a major in this program.

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## **IT requirements**

All students are required to have access to the Internet and to a personal computer running Microsoft Windows and Linux. The Department pro

