

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.

- 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](#)

Major	Courses for the major
Software and the Web	CSC2406 Web Technology 1
	CSC2407 Introduction to Software Engineering
	CSC2408 Software Development Tools
	CSC3400 Database Systems
	CSC3403 Comparative Programming Languages
	CSC3407 Network Fundamentals and Routing
	CSC8409
	CSC8416 Advanced Programming in Java
	CSC8417
	CSC8420 Mobile Systems
	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 ^{*#}
	Networking and System Security
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

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

Credit

Students with a degree equivalent at least to an Australian Bachelor degree may be eligible for up to 2 block credits of non-CSC level 2 courses in the MCTE. These credits will be awarded in accordance to guidelines set by the Faculty of Health, Engineering and Sciences. No further exemptions or credits for previous study will be permitted except for incomplete studies and those listed in the Articulation section.

No exemptions or credits for previous study will be permitted in MCOT except for incomplete studies and those listed in the Articulation section.

Recommended Enrolment Pattern

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study thegv0.348Tc0 G0 1 59.528 602.8157016.reredits crn Bie ablse lie1 1 remre abdeliraduadieout, reT