Master of Computing Technology, Master of Computing Technology (Extended) (MCOTorMCTE) - MCT, MCTE

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

	On-campus*	Distance education*
Semester intake:	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July)
Campus:	Toowoomba	
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Standard duration:	MCOT: 1.5 years full-time, 3 years part-time, 4.5 years maximum. MCTE: 2 years full-time, 4 years part-time, 6 years maximum.	
Program articulation:	From: Graduate Diploma of Information Technology (Faculty of Sciences) To: Master of Computing Technology, Master of Computing Technology (Extended)	

Footnotes

*   Please contact the Program Coordinator for more information about articulating into the ; Master of Computing Technology, Master of Computing Technology (Extended)

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email:	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Program objectives

Successful completion of the program will enable graduates to:

- work as a professional in the Information Technology industry
- acquire specific knowledge and skills in information technology in one or several of the following areas:
  - web information systems
  - 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

Application for postgraduate programs may be made directly to USQ. You should ensure you submit your application by the closing dates.

International students 2011

This program is offered to international students. An international student is a person who is not an Australian or New Zealand citizen and not an

- no more than four units of courses may be at level 2
- no more than two units of courses at Level 2 may come from outside the following Group 1 CSC courses.

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

Students who want to select courses from outside the following table need approval by the Program Coordinator.

Group 1 Courses	
Semester 1	**Semester 2**
CSC2402 Object-Oriented Programming in C++	CSC2401 Algorithms and Data Structures
CSC2408 Software Development Tools	CSC2404 Operating Systems
	CSC2406 W

Major	Courses for the major
Software and the Web	CSC2406 Web Technology
	CSC2407 Introduction to Software Engineering
	CSC2408 Software Development Tools
	CSC3400 Database Systems
	CSC3403 Comparative Programming Languages
	CSC3407 Network Fundamentals and Routing
	CSC8409 XML and Semantic Web Services
	CSC8416 Advanced Programming in Java
	CSC8417 Advanced Web Data Management
	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	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
	CSC8408 e-Commerce Technology
	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 Program Coordinator.

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.

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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 should select their own courses, using the list provided at Program structure keeping in mind the requirements to graduate outlined also in the Program Structure. If unsure about a suitable enrolment pattern, students should contact the Program Coordinator.