

Master of Computing (MCOP) - MComp

CRICOS code (International applicants): 066847G

for which an award has been given, will not attract credit for the Master of Computing. Exemptions or credit for previous study will not be permitted except for incomplete studies.

Required time limits

Students have a maximum of 4.5 years to complete this program.

Coursework

The coursework will consist of courses chosen from those in the table below.

At least four courses will be from Level 8 as listed in the Group 1 Courses. Exemptions or credit for previous study will not be permitted except for incomplete studies. However, if deemed appropriate with the aims of the program, and subject to approval by the Program Coordinator, students may include up to three units of other study at the appropriate level.

Coursework	
Group 1 Courses	
Semester 1	Semester 2
CSC8407 Wireless and Internet Technology	CSC8408 e-Commerce Technology
CSC8410 Independent Studies in Computing/Mathematics/Statistics A	CSC8409 XML and Semantic Web Services
CSC8416 Advanced Programming in Java	CSC8411 Independent Studies in Computing/Mathematics/Statistics B
CSC8417 Advanced Web Data Management	CSC8415 Computer Network Programming
CSC8419 Cryptography and Security	CSC8420 Mobile Systems
CSC8480 Computing Complementary Studies A	CSC8490 Computing Complementary Studies B
Group 2 Courses	
Semester 1	Semester 2
CSC3400 Database Systems	CSC3413 Network Design and Analysis
CSC3403 Comparative Programming Languages	CSC3427 Switching, Wireless and WAN Technologies
CSC3412 System and Security Administration	
CSC3407 Network Fundamentals and Routing	

Research

In addition to the coursework, each student is required to complete a four-unit research project. To satisfy this requirement, students will complete both of the two-unit courses, [MSC8001 Research Project Methodology](#) and [MSC8002 Research Project Dissertation](#). Subject to approval by the Postgraduate Coordinator, these courses may be taken in Semester 1 or 2.

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 acceptable but 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 \(Faculty of Sciences\)](#), students may articulate into the Master of Computing (MCOP) with up to a maximum of four credit units transfer from the GDTI to MCOP in accordance with the MCOP requirements.

Exit points

Students enrolled in this Master's program who wish to exit without completing the program may be awarded the Graduate Diploma of Advanced Computing (GDAC) if they have completed, in accordance with the requirements of the Master of Computing, at least eight units or the Graduate Certificate in Advanced Computing (GCAC) if they have completed, in accordance with the requirements of the Master of Computing, at least four units.

PhD program entry requirements

Students wishing to enrol in the USQ Doctor of Philosophy (PhD) program may satisfy the entry requirements for that program in one of the following two ways:

- Complete the Master of Computing, and achiev

	MSC8001 Research Project Methodology (2 units)
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Second Year	
S1	S2
MSC8002 Research Project Dissertation (2 units)	
Choose one of the following CSC3407 Network Fundamentals and Routing CSC3412 System and Security Administration CSC3400 Database Systems	
Choose one of the following: CSC8407 Wireless and Internet Technology CSC8416 Advanced Programming in Java CSC8417 Advanced Web Data Management CSC8419 Cryptography and Security CSC8480 Computing Complementary Studies A	

Semester 2 Intake

First Year	
S1	S2
	Choose one of the following: CSC3413 Network Design and Analysis CSC3427 Switching, Wireless and WAN Technologies
	Choose three of the following CSC8408 e-Commerce Technology CSC8409 XML and Semantic Web Services CSC8411 Independent Studies in Computing/Mathematics/Statistics B CSC8415 Computer Network Programming CSC8420 Mobile Systems CSC8490 Computing Complementary Studies B

Second Year	
S1	S2
	MSC8002 Research Project Dissertation (2 units)

MSC8002 Research Project Dissertation