

Master of Computing (MCOP) - MComp

CRICOS code (International applicants): 066847G

	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:	1.5 years full-time, 3 years part-time, 4.5 years maximum	
Program articulation:	From: Graduate Diploma of Information Technology (Faculty of Sciences)	

Footnotes

* Please consult the Program Coordinator for more information about articulation from the ; [Graduate Diploma of Information Technology \(Faculty of Sciences\)](#)

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: studysci@usq.edu.au	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 focus

This program provides students with the opportunity to add to their knowledge and skills obtained in an undergraduate program in computing. This will be accomplished by students undertaking coursework of a different type or at a higher level than in their undergraduate program. In addition, students studying the Master of Computing will undertake a four-unit project, and research training to qualify them for PhD studies.

Professional accreditation

This program is accredited at Professional level by the Australian Computer Society and, through the Seoul Accord, is recognised in other countries.

Program objectives

The general objective of the Master of Computing is to produce graduates who possess high-level skills in computing theory, practice and research, who are attractive to employers, and are able to contribute to an appropriate professional body. Graduates will be able to pursue further studies, such as a [Doctor of Philosophy](#), will be able to contribute to the discipline of computing, take advantage of research literature, and have an understanding of how to undertake their own research.

Graduates will be able to:

- design, manage and develop complex software systems in an effective manner
- understand a broad range of topics in theoretical computer science
- undertake a study of the literature in an area of computer science and make an assessment of that area

for which an award has been given, will not attract credit for the Master of Computing. Exemptions or credit for pre

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 achieve a GPA of 5.5 or higher;
- Exit the MCOP via the Graduate Diploma of Advanced Computing (GDAC) having completed 4 level 8 courses and 4 units of research with a GPA of 6.0 or higher.

Exemptions

Exemptions or credits for previous study other than those listed in the Articulation section will not be permitted in the MCOP except for incomplete studies.

Recommended enrolment pattern

The following enrolment patterns represent possible plans and may be modified to suit individual needs. Students should plan their enrolment making sure that they have fulfilled all requirements as shown in the program structure information. Enrolment requirements must be satisfied before enrolling in a course. If unsure about a suitable enrolment pattern, students should contact the Program Coordinator.

Semester 1 Intake

First Year	
S1	S2
<p>Choose two of the following: CSC3407 Network Fundamentals and Routing CSC3412 System and Security Administration CSC3400 Database Systems</p>	<p>Choose one of the following: CSC3413 Network Design and Analysis CSC3427 Switching, Wireless and WAN Technologies</p>
<p>Choose two 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</p>	<p>Choose one of the following: CSC8421 Network Security 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</p>

	MSC8001 Research Project Methodology (2 units)
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Second Year	
S1	S2