

- 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 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 qualify for entry to the program, applicants must:

- (1) hold a Bachelor's degree from an Australian university or pin one or seersity or pin or9.5rea(hhw rsity or pin one orer
- (2) ha9.5rea(hhw r94.87 355.419 Tm(e introductory kno)Tj1 0 0 1 175.863 355.419 Tm(wledge of computing, consistent

- completing these courses as a USQ student in an award or non-award program; or
- slent courses at other universities; or
- work experience, in which case applicants will need to provide suitable evidence of the skill835k51 4e e

Commonwealth Supported students may be eligible to defer their fees through a Government loan called [HECS-HELP](#).

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

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

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.

Articulation

Upon successful completion of the [GDTI Graduate Diploma of Information Technology](#), students may articulate into the Master of Computing Technology (MCOT) with up to a maximum of four credit units exemption from the GDTI to MCOT in accordance with the MCOT requirements.

Upon successful completion of the [GDTI Graduate Diploma of Information Technology](#), students may articulate into the Master of Computing Technology (Extended) (MCTE) with up to a maximum of four credit units exemption from the GDTI to MCTE in accordance with the MCTE requirements.

PhD Program entry requirements

Students wishing to enrol in the USQ Doctor of Philosophy (PhD) program must complete the Master of Computing Technology (Extended) which

- includes MSC8001 and MSC8002
- includes at least four level 8 CSC courses
- no Level 1 courses is included
- no Level 3 courses from outside the Group 2 CSC courses are included
- no more than four units of courses at Level 2 are included
- no more than two units of courses at Level 2 included may come from outside the following Group 1 CSC courses
- achieve a GPA of 5.5 or higher.

Exit points

Students enrolled in the MCOT program who wish to exit without completing the program may be awarded

- the Graduate Diploma of Professional Computing (GDPC) if they have completed at least eight units (excluding exemptions and credit transfers); *or*
- the Graduate Certificate in Professional Computing (GCPC) if they have completed at least four units (excluding exemptions and credit transfers) in accordance with the MCOT requirements.

Students enrolled in the MCTE program who wish to exit without completing the program may be awarded

- the Graduate Certificate in Professional Computing (GCPC) if they have completed, in accordance with the MCTE requirements, at least four units (excluding exemptions and credit transfers); *or*
- the Graduate Diploma of Professional Computing (GDPC) if they have completed, in accordance with the MCOT requirements, at least eight units (excluding exemptions and credit transfers); *or*
- MCOT if they completed at least 12 units in accordance with the requirements of MCOT.

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, distance education or online), regardless of the program mode of study they enrolled in.

Students should select their own courses, using the list provided at Program structure keeping in mind timetable constraints and the requirements to graduate outlined also in the Program Structure. If unsure about a suitable enrolment pattern, students should contact the Faculty of Health, Engineering and Sciences.