Master of Science (MSCN) - MSc

CRICOS code (International applicants): 078596M

	On-campus*†	**Distance education†**
Semester intake:	Semester 1 (March) Semester 2 (July)	Semester 1 (March) Semester 2 (July)
Campus:	Toowoomba	-
Fees:	Commonwealth supported place Domestic full fee paying place	Commonwealth supported place Domestic full fee paying place

which relate to their career needs and the needs of their profession or industry. The aim of this program is therefore to provide students with a broad advanced education in mathematical and/or statistical techniques

- have 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
- be able to demonstrate good communication skills in the learning areas
- satisfy academic requirements for membership of relevant professional bodies

Admission requirements

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To be considered for entry, applicants must hold a three-year Bachelor's degree from an Australian University or equivalent.

A formal process of Accreditation of Prior Learning (APL) will be used to assess applicants who wish to gain entry to the program on the basis of equivalent experience or qualifications. Applicants should contact the Faculty of Health, Engineering and Sciences if they wish to be assessed for admission on this basis.

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To be considered for entry, applicants should hold a three-year Bachelor's degree from an Australian University or equivalent.

A formal process of Accreditation of Prior Learning (APL) will be used to assess applicants without Bachelor degrees, who wish to gain entry to the program on the basis of equivalent experience or qualifications. Applicants should contact the Faculty of Health, Engineering and Sciences if they wish to be assessed for admission on this basis. Students who are enrolled or hold a Graduate Diploma of Science or a Graduate Certificate of Science or equivalents in the environmental science, climatology or related areas from a recognised university may apply for credit.

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Applicants may be admitted to the MSCN (Mathematics/Statistics) major if they:

- hold a Bachelor's degree from an Australian university or hold a degree of a recognised university or an approved equivalent qualification in any discipline; and
  have knowledge of mathematics at least equivalent to that found in MAT1102 Algebra and Calculus I and have appropriate communication skills equivalent to those covered in CMS1000 Communication and Scholarship.
  Students who are enrolled or hold a Graduate Diploma of Mathematics/Statistics or Science or a Graduate Certificate of Science in the Mathematics/Statistics area from a recognised uni

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of your higher education and you as a student pay a student contribution amount, which varies depending on the courses undertaken. You are able to calculate the fees for a particular course via the Course Fee Finder. 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.

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, via distance education/online. You are able to calculate the fees for a particular course via the Course Fee Finder.

Program structure

The Master of Science (Astronomy) and Master of Science (Environment and Sustainability) majors consists of 16 units of courses, consisting of those courses listed below in the Recommended Enrolment Pattern section.

The Master of Science (Mathematics/Statistics) major consists of 16 units of courses, selected from those courses listed below in the Recommended Enrolment Pattern section, subject to the following conditions:

- at least eight units of courses must be at Level 8
- at most three elective courses of study, which are not listed in the Recommended Enrolment Pattern section, may be taken from a related area of interest to the student with prior approval of the Faculty of Health, Engineering and Sciences. For example, a student working in bioinformatics might also want to study areas of computing or biology or a student with an interest in Mathematics Education could take suitable courses in the study area of Education.

All courses may be taken in either on-campus or external/online mode.

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The program consists of the following 14 core courses which are all available in external mode.

Semester 1	Semester 2
	REN8202 Conservation for Sustainable Futures

Required time limits

Students have a minimum of 2 years and a maximum of 8 years to complete.

IT requirements

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.

Other program requirements

To qualify for the award of Master of Science (Environment and Sustainability) students must pass 16 units of courses, at least eight of which are to be Level 8 courses listed in the Recommended Enrolment Pattern section. Students who have completed the same courses or similar courses at USQ or elsewhere may replace these with additional electives with the approval of the Faculty of Health, Engineering and Sciences.

In order to complete the Mathematics and Statistics major students must pass 16 units of courses, at least eight of which are to be at Level 8 courses listed in the Recommended Enrolment Pattern section. A maximum of 3 elective courses of Level 3 or above may be taken from courses not appearing in the Recommended Enrolment Pattern section with the approval of the Faculty of Health, Engineering and Sciences. The maximum number of courses other than Mathematics/Statistics courses to be credited must not exceed the number of elective courses (3).

Exit points

Students in the Astronomy or Environment and Sustainability majors may exit with the Graduate Certificate of Science on successful completion of four units of study.

Students exiting the Master of Science(Math/Stat) major after passing at least four courses may be awarded, upon application, the Graduate Certificate of Science pro

For the Mathematics and Statistics major a maximum of 3 elective courses at Level 3 or above can be taken from other discipline areas with the prior approval of the Faculty of Health, Engineering and Sciences.

Enrolment

Recommended Enrolment Pattern - Astronomy Major Full-time (4 Semesters, S1 or S2 commencement)

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.

Course	Recommended enrolment semester(s) and mode of study					Pre-requisites or co-requisites
	Semester 1 (S1)		Summer (Nov-Feb)		Semester 2 (S2)	

Recommended Enrolment Pattern - Environment and Sustainability Major Full-time (4 Semesters, S1 or S2 commencement

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.

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Recommended Enrolment Pattern - Mathematics and Statistics major Full-time (4 Semesters, S1 or S2 commencement)

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.

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EDU8326 Learning Difficulties: Mathematics

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