

Master of Science .. (MSCC) - MSc

CRICOS code (International applicants): 072518G

This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area should consider the [Master of Science \(Environment & Sustainability\)](#).

	On-campus*	External#
Start:	No new admissions	No new admissions
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 year full-time, 4 years part-time maximum	

Footnotes

- * The Climate Adaptation major is available to on-campus and external mode students, but only 4 courses are offered on-campus. Therefore, this major is not suitable for international students who wish to study on-campus.
The Biotechnology major is only available on-campus for domestic and international students. However

- demonstrate an advanced understanding in their chosen major
- conduct scholarly investigations into applications and methodologies in their chosen field
- provide scientific literature reports
- apply the specialist knowledge and skills acquired in their major.

Major Objectives

Climate Adaptation Major

On completion of this major students will be able to:

- demonstrate an in-depth understanding of global environmental changes
- describe the functioning of the global climate system
- apply the principles of sustainable development across a range of professions
- assess the risks of climatic changes and climate variability
- evaluate opportunities that may arise from environmental and climate changes
- provide scientific literature reports;
- express and communicate scientific knowledge and concepts across a range of professions
- display a thorough understanding of the impact of climate change and variability upon natural and human systems
- contribute within their profession to sustainable natural resource management and sustained economic growth.

Biotechnology Major

On completion of this major students will be able to:

- demonstrate an advanced understanding of biotechnology
- conduct scholarly enquiries into biotechnological applications and methodologies
- critically apply the principles of biotechnology to problem solving
- interact with professionals in a range of disciplines to apply biotechnological tools in an appropriate and ethical manner
- demonstrate an understanding of regulations governing the use and application of biotechnologies
- demonstrate oral and written communication skills appropriate to a professional biotechnologist
- demonstrate advanced competency in laboratory techniques and in the use of instrumentation relevant to biotechnologies (this objective is only applicable for those students who choose courses with laboratory-based components).

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

Master of Science (Climate Adaptation)

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 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.

Master of Science (Biotechnology)

Applicants may be admitted to the Master of Science (Biotechnology) if they hold a minimum of a three-year Bachelor Degree from an Australian University in an area of the life sciences or an equivalent qualification from a recognised university elsewhere. USQ graduates from the Bachelor of Science or Biomedical Science programs should consult the Faculty of Health, Engineering and Sciences as some variation to the Recommended Enrolment Pattern may be required.

All students are required to satisfy the applicable [English language requirements](#).

If students do not meet the English language requirements they may apply to study a University-approved [English language program](#). On successful completion of the English language program, students may be admitted to an award program.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a [student contribution amount](#), which varies depending on the courses undertaken. Students 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. Students 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. Students are able to calculate the fees for a particular course via the [Course Fee Finder](#).

Program structure

The Master of Science program consists of eight courses. Students must successfully complete a minimum of four level 8 courses.

Climate Adaptation Major

The program consists of eight core courses which are all available in external mode.

Semester 1 Core Courses	Semester 2 Core Courses
CLI1110 Weather and Climate	CLI2201 Climate Change and Variability
	CLI3302 Adaptation to Climate Change

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