

## Master of Science .. (MSCC) - MSc

CRICOS code (International applicants): 072518G

This program is offered only to continuing students. No new admissions will be accepted after the S1 2013 intake. Students who are interested in this area should consider the [Master of Science \(Environment & Sustainability\)](#).

	On-campus*	Distance education#
<b>Semester intake:</b>		
<b>Campus:</b>	Toowoomba	-
	Commonwealth supported place	Commonwealth supported place

## Program objectives

On completion of the program graduates will be able to:

- 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

### 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.

Domestic and International Applicants from a non-English speaking background are required to satisfy [English language requirements](#).

If you do not meet the English language requirements you may apply to study a University-approved [English language program](#). On successful completion of the English language program, Applicants 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 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 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
<a href="#">CLI1110 Weather and Climate</a>	<a href="#">CLI2201 Climate Change and Variability</a>
<a href="#">CLI3301 Climate and Environment Risk Assessment</a>	<a href="#">CLI3302 Adaptation to Climate Change</a>
<a href="#">CLI8204 Global Environmental Systems</a>	<a href="#">CLI8205 Climate and Sustainability</a>
<a href="#">REN8101 Environment, Society and Sustainability</a>	<a href="#">REN8202 Conservation for Sustainable Futures</a>

### Biotechnology Major

The program will consist of eight courses. Different combinations of courses offer specialisations in molecular biology, bioinformatics, agricultural biotechnology and pharmaceutical development. Changes to recommended enrolment patterns **must** be approved by the Faculty of Health, Engineering and Sciences.

### Table 1: On-campus Students





**Recommended Enrolment Pattern - Biotechnology Major Part-time (4 Semesters, S1 or 2 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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