



Postgraduate studies



Graduate Certificate in
Climate Change Adaptation

Master of Climate
Change Adaptation

Master of Engineering
(Transport Technologies)

Why choose USC?

It's the best of both worlds. Students choose USC for its industry focused degrees, experienced academics, student support and relaxed campus atmosphere.



Proactively address the implications of climate change.

In this program, you learn the basic science and management principles of the natural and human-induced factors responsible for the rapid rates of environmental and climate change. You examine the types of governance and community-based responses required to address the impacts and vulnerabilities, and acquire practical problem-solving skills in climate change adaptation responses and barriers.

The theoretical foundation and practical problem solving skills enable practitioners to integrate vulnerability assessment knowledge with adaptation responses.

You acquire skills through a combination of lectures, readings, group discussions and practical assessments. Your assessment is based on a combination of individual and group tasks.

CAREER OPPORTUNITIES

Government, non-government organisations, not-for-profits, private consultancy firms, industry employers, and academia, including postdoctoral research facilities and institutes employ staff as environmental practitioners; natural resource managers; environmental consultants; technicians; and advisors.

INTENSIVE DELIVERY

Courses in the Graduate Certificate in Climate Change Adaptation are run in an intensive mode which enable students to complete the program in one semester (if commencing in Study Period 1). Students should refer to the Faculty of Science, Health, Education and Engineering course schedule, and the USC published timetable each study period as sessions can vary from year to year.

Courses require a student activity investment of 120 hours. Approximately 60 hours will be undertaken over 6–7 consecutive days on campus for lecture-based courses. In most cases, courses run for a week including weekends for lecture-based courses. The remaining 60 hours is required for independent student-learning activities, both before and after the on campus component which may include readings, exercises and the preparation of assessment items.

**ADMISSION REQUIREMENTS**

A student entering the Graduate Certificate in Climate Change Adaptation will normally be required to hold a Bachelor of Science degree, or equivalent, that includes a major study in a science discipline (with the major typically constituting at least one-third of the degree), from a recognised higher education institution. Entry by non-graduates who have extensive relevant climate change adaptation industry experience may be considered on a case-by-case basis by the Executive Dean, Faculty of Science, Health, Education and Engineering.

PROFESSIONAL RECOGNITION

Completing the Graduate Certificate in Climate Change Adaptation may contribute towards application for accreditation as an environmental practitioner from the Environment Institute of Australia and New Zealand (EIANZ), or equivalent overseas accreditation body.

ADVANCED STANDING

Advanced standing up to a maximum of 50 percent (24 units) will be offered to students with approval from the Executive Dean. Prior learning, relevant work experience and overseas qualifications are recognised.

FEES

For the most up-to-date information on postgraduate coursework fees visit the website: www.usc.edu.au/fees

■ Graduate Certificate in Climate Change Adaptation

Duration: 6 months minimum full-time, 2 years part-time

Commence: Study Period 1 or 2 (note full-time enrolment only available for Study Period 1 commencement)

Study mode: on campus; on campus (intensive)

Total courses: 4

CRICOS code: 063681D

Semester 1 commencement only for International students on a Student visa, due to full-time enrolment requirement. Only a full-time option is available to international students on a Student visa.

Comprehensive program information: www.usc.edu.au/SC508

ENQUIRIES**Application and admission information:**

Student Administration

Tel: +61 7 5430 2890

Email: information@usc.edu.au

In person: Student Central, ground floor, Building C

Program advice:

Faculty of Science, Health, Education and Engineering

Tel: +61 7 5430 2869

Fax: +61 7 5456 5010

Email: sheinfo@usc.edu.au

- Develop advanced skills in critical thinking and practical adaptation strategies
- Intensive course delivery allows you to focus on specific learning outcomes
- Engage and interact with international and national colleagues and practitioners

Proactively address the implications of climate change.

In this suite, you gain an in-depth knowledge of the natural and human-induced factors responsible for the rapid rates of environmental and climate change. You examine the science, the types of management, governance and community-based responses required to address potential impacts and vulnerabilities. You acquire practical problem-solving skills in adaptive environmental assessment and integrated management.

You will explore the theoretical and scientific basis underlying the practical application of technology. These skills enable you, as a practitioner, to integrate best-practice vulnerability assessment practices and techniques effectively with nationally and internationally endorsed environmental management systems. The purpose is to recognise and plan for the effects of climate change and manage project outcomes to enable resilient ecosystems and communities. You will examine the principles of data gathering and synthesis. You will practice communication skills for target audiences.

You acquire skills through a combination of lectures, readings, interactive panels, group discussions and practical projects. Research skills, creative and critical thinking are demonstrated, practiced and feedback provided. Your assessment is based on a combination of individual and collaborative project activities and tasks, completed using a variety of media.

If you choose to exit the masters program after completing eight courses, you may be awarded a Graduate Diploma in Climate Change Adaptation. Students must have completed all the requirements of the Graduate Diploma to be awarded this program. Please note that there is no direct entry into the Graduate Diploma.

CAREER OPPORTUNITIES

Government, non-government organisations, not-for-profits, private consultancy firms, industry employers, and academia, including postdoctoral research facilities and institutes that employ staff as environmental practitioners; natural resource managers; environmental consultants; technicians and advisors; project managers: environmental, corporate, engineering, forestry, urban, rural, assets; policy makers; investment analysts; insurers; brokers; traders.

ADMISSION REQUIREMENTS

To be eligible for entry into this program, a student entering the Masters program will normally be required to hold a Bachelor of Science degree or equivalent, that includes a major study in a science discipline (with the major typically constituting at least one-third of the degree), from a recognised higher education institution or have completed the Graduate Certificate in Climate Change Adaptation.

The Graduate Diploma of Climate Change Adaptation will not be an entry point. Students who are unable to complete the Masters of Climate Change Adaptation may exit the program via the Graduate Diploma of Climate Change Adaptation. Students must have completed all requirements of the Graduate Diploma program.

PROFESSIONAL RECOGNITION

Graduates of the Master of Climate Change Adaptation can work towards accreditation as an environmental practitioner from the Environment Institute of Australia and New Zealand (EIANZ), or equivalent overseas accreditation body.

FEES

For the most up-to-date information on postgraduate coursework fees visit the website: www.usc.edu.au/fees

■ Master of Climate Change Adaptation

Duration: 18 months minimum full-time, 6 years maximum part-time

Commence: Full-time and international students can commence at the beginning of either Study Period 1 (January) or Study Period 2 (July). Part-time students can commence at any session.

Study mode: on campus (intensive)

Total courses: 12

CRICOS code: 063013G. Only a full-time option is available to international students on a Student visa.

Comprehensive program information: www.usc.edu.au/SC708

ENQUIRIES

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Student Administration

Tel: +61 7 5430 2890

Email: information@usc.edu.au

In person: Student Central, ground floor, Building C

Program advice:

Faculty of Science, Health, Education and Engineering

Tel: +61 7 5430 2869

Fax: +61 7 5456 5010

Email: sheinfo@usc.edu.au



- Develop advanced skills in engineering transport technologies
- Intensive course delivery allows you to qualify faster
- Regular interaction with recognised industry specialists

Develop skills to design, construct, operate and maintain transport infrastructure.

The Master of Engineering (Transport Technologies) is a coursework degree that provides practising engineers with skills in applying an advanced body of knowledge to solve complex problems in a range of contexts, at the level of professional practice. The program provides higher level skills in the design, construction, operation and renewal, and maintenance of transport infrastructure. A key component is interactions with recognised specialists teaching each course. The degree is designed to interface with a Continuing Professional Development (CPD) Seminar series that utilises international specialists and helps engineers stay current in their knowledge and skills.

CAREER OPPORTUNITIES

The Master of Engineering (Transport Technologies) will qualify students to practice at an advanced level in a range of contexts for the professional practice of Transport Technologies.

ADMISSION REQUIREMENTS

The minimum requirement is the completion of an AQF Level 8 Bachelor of Engineering degree.

PROFESSIONAL RECOGNITION

This program complies with Type 1 Continuing Professional Development as defined by the National Engineers Registration Board of Australia. Registered professional engineers can use it to maintain registration and graduate engineers can use it to achieve registration.

FEES

For the most up-to-date information on postgraduate coursework fees visit the website: www.usc.edu.au/fees

■ Master of Engineering (Transport Technologies)

Duration: 2 years part-time

Commence: Semester 1 and 2

Study mode: on campus (intensive)

Total courses: 8

CRICOS code: Not available to international students on a Student visa.

Comprehensive program information: www.usc.edu.au/SC751



ENQUIRIES

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Student Administration

Tel: +61 7 5430 2890

Email: information@usc.edu.au

In person: Student Central, ground floor, Building C

Program advice:

Faculty of Science, Health, Education and Engineering

Tel: +61 7 5430 2869

Fax: +61 7 5456 5010

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