BACHELOR OF ENVIRONMENTAL SCIENCE

Why study CSU’s Bachelor of Environmental Science?

An environmental scientist’s job is focused on creating a better future for all of us. As society grows and develops, industries like forestry, mining, tourism, transport, energy, agriculture, fisheries and manufacturing will need people with knowledge of environmental science to minimise any impact on the environment.

A career in this field offers interesting and vitally important work, attractive starting salaries, work in incredible locations, and a sense of achievement in making our earth a better place to live.

Charles Sturt University (CSU) graduates are holistic, far-sighted people who help their communities grow and flourish in a sustainable manner. As a graduate of this course, you’ll have the skills and knowledge in physical, biological and social sciences needed to address a range of complex environmental problems including: land conservation, loss of biodiversity, climate change, and environmental water management.

The emphasis is on real-world examples, field studies, and vocationally focused training so students graduate ready to play a key role in environmental management. At CSU, you will:

• be taught by dedicated professionals with many years of collective experience in the field
• gain practical experience during residential schools using industry-quality equipment and taught in facilities that emphasise sustainable design
• use online learning platforms to access a broad range of literature and learning materials.

CSU’s Bachelor of Environmental Science is recognised by every environmental management agency in Australia. CSU works in close association with industry, professionals and government to ensure courses meet and support their needs.

Some reasons for studying Environmental Science CSU:

- Designed and well recognised by managers from a growing area of employment opportunities in public and private sectors.
- Subjects focused strongly on field instruction and real-world situations.
- Study at Australia’s leading provider of online learning.
Industry recognition

Industry organisations such as Catchment Management Authorities, local government, the Department of Environment and Primary Industries (Victoria), and several businesses involved in environmental management sponsor our students.

In the first national evaluation of research strengths of all Australian universities, CSU was ranked as being above the world standard in environmental science and management.

The School of Environmental Sciences fosters working links with the following industry bodies:

- Catchment Management Authorities and the Murray Darling Basin Authority
- Department of Primary Industries (including Fisheries NSW)
- Department of Environment and Primary Industries (Victoria)
- Office of Environment and Heritage
- NSW Water and North East Water (Victoria)
- the National Water Commission and other Commonwealth departments.

Career opportunities

Graduates are employed in Australia and internationally as environmental scientists and managers, Landcare officers, catchment management officers, land and water officers, or ecologists in environmental consulting services.

Graduates work on community development projects, environmental restoration and rehabilitation programs, river and stream management, and protecting healthy, resilient ecosystems. They are involved in sustainable agriculture, nature conservation, natural resource management and integrated water resource management.

Ecological Conservation careers include:
- conservation biology
- wildlife management
- ecosystem restoration

Land and Water careers include:
- catchment management officer
- environmental scientist or manager
- hydrogeologist
- manager – water resources.

Catchment Management careers include:
- catchment management officer
- environmental scientist or manager
- implementation officer
- Landcare officer.

Landscape Analysis careers include:
- the mining industry
- water resource use
- ecosystem restoration
Immerse yourself in the environment

Our program offers a range of life-changing experiences to ensure our students have the skills necessary to gain employment when they graduate.

The people who teach this course also have roles managing or providing advice to government agencies on environmental management. This includes providing advice on nature conservation, water management, cultural heritage management, natural resource management, and private land conservation. This means each subject is designed to teach you the latest concepts and thinking regarding environmental management.

If you do not work in the industry, you will be supported in taking at least six weeks of full-time work placement in Australia or overseas. Placement opportunities in Australia include:

- businesses involved in environmental monitoring and planning
- Catchment Management Authorities
- environmental management agencies
- your own workplace (for people doing the course distance education and in a relevant workplace).

You can elect to take units of specialised study that provide you with amazing opportunities and experiences.

International experiences are offered through subjects that take you overseas to countries such as East Timor and Nepal. In Australia, there are opportunities to look at arid zone field ecology, the Australian Alps, the Murray Darling Basin, and the NSW Far South Coast.

SPECIALISATIONS

Students choose one of four areas of specialisation:

- **Catchment Management**
  Graduates of the Catchment Management specialisation have in-depth knowledge and skills of the human landscape, particularly as they interact with the biological and physical environments, so they can contribute to natural resource issues and problems on a catchment wide scale.

- **Conservation and Management**
  Graduates of the Conservation and Management specialisation have in-depth knowledge and skills needed to conserve and restore Australia’s unique ecosystems.

- **Land and Water**
  Graduates of the Land and Water specialisation have in-depth knowledge and skills in water resources, soils, geomorphology and spatial science so they can contribute to the management of these natural resources.

- **Landscape Analysis**
  Graduates of the Landscape Analysis specialisation have in-depth knowledge and skills in spatial analysis and sustainable management of landscapes.
From the moment I commenced my Bachelor of Environmental Science at CSU online, I was impressed by the well-structured delivery of the course. Students have access to a range of support material which is supported by easy access to lecturers, subject forums, an extensive library and occasional field trips.

I currently have a full-time job managing weeds issues in Victoria, yet I have loved every minute of completing my degree part-time while working full-time and having a life in between.

The course provided me with valuable knowledge and improved skills both personally and professionally, enabling me to grow and move forward in making a difference in the natural resource management industry.

Bridie Wetzel
Bachelor of Environmental Science student

Studying online

CSU provides an excellent range of support tools for online students with course materials designed to engage and promote active thinking and participation. Materials include study schedules, study modules containing activities designed to encourage participation, assignments designed to test the mastery and application of course materials, audio and video resource materials containing interesting applications of the key principles, and computer based education packages. Online forums also form part of the coursework enabling direct and rapid contact with staff and other students.

Lecturers are committed to ensuring they are readily available to assist students through the subject forum, email and telephone in addition to face-to-face contact at residential schools.

How to apply

Applicants can apply for admission to full-time on campus courses through the Universities Admissions Centre (UAC) or the Victorian Tertiary Admissions Centre (VTAC).

About CSU

CSU is a national university focusing on excellence in education for the professions, strategic and applied research, and flexible delivery of learning and teaching. We work in close association with industry, professions and government to ensure our courses meet and support industry needs, resulting in high graduate employment levels and starting salaries. We attract more than 38,000 students from Australia and around the world and are well-known for our innovative approach to education, offering practical, hands-on courses, supported online to provide our students with accessible, world class education.

For more information or to apply, visit:

1800 DEGREE (1800 334 733) (free call within Australia)
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