



# Bachelor of Environmental Science and Management



## Why study environmental science and management?

People with the ability to make our environment more enjoyable, productive, and sustainable will always be in need. Unfortunately the scale of the human activity around the globe is leading to widespread environmental degradation. In some cases where land is being eroded, rivers polluted, or wildlife destroyed, the damage is obvious. In other cases, it is less obvious and questions arise about whether a resource is being used at sustainable rates. We need people with the skills and abilities to help us understand the scale of the impact we are having on the planet and how we can minimise our impact.

If you have a genuine passion for the natural environment and want to ensure we can enjoy this planet's precious resources forever, then a career in environmental science and management is for you. A career in this field offers interesting and vitally important work, attractive starting salaries, work in incredible locations, and being part of a team working for the greater good.

## Why study CSU's Bachelor of Environmental Science and Management?

Students completing this course have skills and knowledge in the physical, biological, and social sciences needed to restore damaged environments and create healthy and resilient ecosystems. Graduates have interdisciplinary knowledge to help 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. You will be given opportunities to travel overseas to look at environmental issues in other countries. Final-year students may be eligible to undertake an integrated Honours, or complete an internship with an environmental company, where they apply the principles and theories taught at university to a real-world problem.

Graduates work as environmental scientists and managers, catchment management officers, land and water officers, with environmental consulting companies, catchment management authorities and a range of other government departments across Australia.



“Using the skills and knowledge I obtained in my Environmental Science and Management degree, I will venture out into the world with the confidence that I can achieve my goal of contributing to conservation of the environment and the wellbeing of people.”

Peter, CSU graduate

### Industry recognition

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

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 Sustainability and Environment (Victoria)
- Office of Environment and Heritage
- State Water (NSW) and North East Water (Victoria)
- the National Water Commission and other Commonwealth departments.

Many of 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.

### Career opportunities

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

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

Career opportunities include:

- catchment management officer
- environmental manager
- environmental scientist or environmental manager
- extension officer
- hydrogeologist
- implementation officer
- Landcare officer
- manager – water resources
- natural resource manager.

Organisations that regularly employ CSU graduates include:

- Catchment Management Authorities
- Office of Environment and Heritage
- Department of Primary Industries (including Fisheries NSW)
- Department of Sustainability and Environment (Victoria)
- various agriculture and mining businesses
- Murray Darling Basin Authority.



“An amazing journey, a positive learning experience. This course offers the development of knowledge, a chance to meet amazing people, supportive staff, field work and trips both local and global. It provides rewarding challenges and a fun, supportive environment with like-minded people.”

Kim, CSU graduate



## Immerse yourself in the environment

Our program offers a range of life changing experiences. This ensures our students have the skills necessary to gain employment when they graduate. Extended field opportunities, global perspectives and international field expeditions are used to provide you with the skills to tackle national and international environmental issues.

This course includes 150 hours of field instruction and a supported international study tour that focuses on teaching students professional skills in the science and management of the environment for conservation and sustainability.

In the final year of this four-year course, students undertake a one-session internship with an industry partner to develop the skills required for successful transition into the workplace. Alternately they can undertake an integrated Honours program.

An international study tour, to places like Nepal and East Timor, is taken in the final year of study. This encourages students to learn about themselves and the world, while absorbing the nuances of different cultures and providing the opportunity for personal and professional development.

In addition, you can elect to take units of specialised studies, which provide you with amazing opportunities such as the arid zone field ecology course and voluntary or paid field expeditions to areas like the Australian Alps, the Murray Darling Basin and the NSW Far South Coast.

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



Some reasons for studying environmental science and management at CSU:

- a course designed and well recognised by environmental managers that gives you the opportunity to gain the skills and knowledge needed to address many of the world's environmental problems
- subjects focused strongly on field instruction and real-world situations
- life-changing experiences with professional placements in Australia and overseas
- a growing area of employment opportunities.



## Erin Szantyr

### CSU graduate

"With my course I went on a two-week trip through the Australian desert, spent over a month travelling through Nepal, and had an amazing three months working as an intern in the remote rainforests of Ecuador. My university degree certainly didn't leave me sitting at a desk for four years. Where else can you do this and call it study!

"CSU provided me with a supportive, enthusiastic and connected community of academics, students and staff who have enabled me to successfully complete my degree, and provided me with opportunities to expand networks and build relationships with inspirational people. I have made lifelong friends, gained a greater appreciation for the world around me, and am inspired to travel the world.

"The degree gave me a broad knowledge base related to land management, conservation, and social sciences, and also gave me the opportunity to apply this knowledge in the workplace.

"Environmental science is a dynamic field, which is constantly changing and increasing in importance. The more I learnt, the more I discovered how much there really was to learn!

"Some day I hope to make a difference to people all over the world who do not have the same freedoms and love of life that I have. We live on an amazing planet, but there are still so many people trapped in poverty. It is time we started changing people's lives for the better through the protection and conservation of the environment around them."

**For more information about courses and how to apply, please contact info.csu:**

Free call in Australia: 1800 334 733  
International callers: +61 2 6338 6077  
Facsimile: +61 2 6338 6001

**[www.csu.edu.au](http://www.csu.edu.au)**

## CSU Global

CSU's student exchange program, CSU Global, allows you to study and gain credit at an international institution for up to two sessions. Some of the international institutions we have a relationship with include the Lakehead University (Canada), University of Montana (USA), and Humboldt University (USA).

## About Charles Sturt University

Charles Sturt University 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 35,000 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.

## Albury-Wodonga Campus

Charles Sturt University in Albury-Wodonga is a dynamic and expanding campus, recognised for its innovative design and leadership in environmentally sustainable development. The Campus' commitment to the environment can be seen in a wide range of design features, including buildings made from rammed earth and recycled building materials, plus artificial creeks and wetlands, windmills and solar collectors.

CSU's School of Environmental Sciences, located on Albury-Wodonga Campus, conducts teaching and research into the management and sustainable use of the environment. Focus areas include ecotourism, wildlife ecology, catchment management, protected area management, river health, ecosystem conservation and outdoor recreation.

The Campus offers modern, affordable, self-catered and eco-friendly student accommodation. Fully furnished single student bedrooms, with a bar refrigerator are available, along with a common room with TV, kitchen, with food cupboards for each student and shared bathrooms.

## 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).

For further information call 1800 334 733 or visit: [www.csu.edu.au/courses/undergraduate/environmental\\_science\\_management](http://www.csu.edu.au/courses/undergraduate/environmental_science_management)

