

Bachelor of Environmental Science and Management



Why study environmental science?

Society depends on the environment. As society grows and develops both in Australia and globally, the forestry, mining, tourism, transport, energy, agriculture, fisheries and manufacturing industries will continue to need employees with a knowledge of environmental science, and skills in environmental management to minimise the impact on the natural environment and, in turn, maximise economic and social sustainability.

Career opportunities

Government agencies and departments employ large numbers of our graduates, ensuring development of resources on public land is sustainably managed. Private industry and consultants also require our graduates to ensure businesses are environmentally responsible and sustainable. Additionally, graduates find employment as environmental scientists and ecological researchers where their careers are focused on exploration of new knowledge to address environmental issues nationally and internationally.

Graduates will find positions as field ecologists, biodiversity officers, ecological assessment officers, environmental consultants, national park rangers, sustainability officers, natural resource managers, catchment managers, fisheries officers, environmental scientists or water resource managers.

As the course involves training in international environmental issues, and includes international field experience, graduates are well placed to apply for graduate positions with the Australian government's AusAid program and other international environment and development organisations.

What is the Bachelor of Environmental Science and Management?

CSU's Bachelor of Environmental Science and Management is a four-year course offered full-time on Albury-Wodonga Campus.

The course has been developed in consultation with industry, and through involvement with the internship program that students undertake in their final year. Industry partners include the Murray Darling Basin Authority, the NSW Conservation Trust and the Murray Catchment Management Authority.

Some reasons for studying environmental science at CSU

- you can be part of the solution to the world's environmental problems
- increased environmental awareness has led to unprecedented growth in employment in a variety of disciplines
- this course includes 150 hours of field instruction and an industry internship in the final year
- students have the opportunity to participate in an international study tour in their final year



What will I study?

The Bachelor of Environmental Science and Management at CSU has a strong focus on ecological processes at the landscape scale to provide graduates with the broadest possible skills to develop solutions to some of the world's most important environmental issues.

Studies in ecology, wildlife management, vegetation management, aquatic science, geographic information systems, environmental assessment and the earth sciences are complemented by studies of the human dimension, including Indigenous land management, environmental policy and natural resource management.

How will I study?

Extended field opportunities, global perspectives and international field expeditions develop graduates who have the skills to tackle national and international environmental issues.

This course includes 150 hours of field instruction and a supported international study tour to develop graduates with the professional skills in the science and management of the environment for conservation and sustainability.

In the final year, students undertake a one session internship with an industry partner to develop the skills required for successful transition into the workplace.

The international study tour, also taken in the final year, 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.

International study tour

Best practice procedures in environmental management are rapidly becoming international rather than national. As this course incorporates an international study tour in the final year, a world of possibilities are available for graduates in terms of employment, while also presenting challenges such as interacting in different languages and with people of different cultures. Learning about these differences first-hand is one of the most rewarding experiences a student can have.

As the global economy grows, so does the need for graduates who are competent in the international arena. While few Australian students do study abroad, those who choose an international experience are rewarded with tremendous professional opportunities. An international experience is life-changing.

Study options

Meritorious students will be invited to undertake the integrated Honours option, which involves an intensive year of field-based study in a specialist area of environmental science.

After satisfactorily completing 24 specified subjects (after a minimum of three years study), students may elect to leave the course and graduate with the Bachelor of Environmental Science.



Joshua Kirby

CSU student

"I travelled to the Columbian Amazon to assist a Colombian PhD student on researching the mechanisms of co-existence of frugivorous fishes of the serrasalimid family, the family of the piranhas.

"More broadly, the project was fundamental fish ecology which involved fishing almost every day, looking at stomach contents, and sampling vegetation and fruit production. Did I mention eating piranhas?

"A secondary aim of the project was to incorporate an educational component, communicating to the indigenous communities the role of the forest in the maintenance of fish populations in the long term, and the role of fish in seed dispersal and forest dynamics.

"It was an unforgettable experience that challenged my physical and mental abilities. I gained special insight into one of the most important ecosystems on the planet, and consider the experience as one of my life highlights."

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www.csu.edu.au

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