Understanding the past, managing the future

Environmental science is both multi- and inter-disciplinary, providing us with the knowledge and skills to manage, assess and minimize our impact upon the environment.

CURRICULUM PHILOSOPHY
The course has been developed to provide:

- studies across a range of key science disciplines (chemistry, geography and environmental studies, biology, microbiology, marine science) necessary to provide an integrated approach to environmental science;
- development of sound science knowledge and understanding of scientific principles, along with an understanding of current environmental issues and approaches to managing real world environmental problems;
- development of data analysis and communication skills to enable the use and presentation of scientific approaches to environmental assessment and environmental management.

As a result of the different disciplines students will encounter the course provides multiple perspectives on the environment.

ENVIRONMENTAL SCIENCE LEARNING OUTCOMES
On completion of the course students will have:

- an understanding of the fate and transport of contaminants in the environment;
- the capacity to undertake environmental monitoring techniques and relate findings of monitoring to practices associated with land use and industry;
- the capacity to plan and execute small field projects associated with the above.

CAREERS
Environmental scientists are employed by government environmental departments, natural resource management agencies, water management authorities, industry and private consulting companies, and undertake duties such as:

- environmental and natural resource management
- pollution monitoring
- environmental impact assessments
- water and waste water management
- policy analysis and implementation

WHAT MAKES US DISTINCTIVE?
Tasmania is an excellent place to study environmental science, with a diversity of examples in natural resource management, industrial operations, and impacted sites. Many of the units will include field work throughout Tasmania.
COURSE STRUCTURE

YEAR 1
• The Global Geography of Change (12.5%)
• Space, Place and Nature (12.5%)
• Aquatic Biology A (12.5%)
• Aquatic Biology B (12.5%)
• Chemistry 1A (12.5%)
• Chemistry 1B (12.5%)
• Data Handling and Statistics (12.5%)
• Understanding Science (12.5%)

YEAR 2
• Introduction to Geographic Information Systems (12.5%)
• Data Analysis and Presentation (12.5%) or
• Natural Environment Field Techniques (12.5%)
• General Microbiology (12.5%)
• Conservation Biology (12.5%)
• Environmental Chemistry (12.5%)
• Analytical Chemistry (12.5%)
• Electives (25%)

YEAR 3
• Environmental Monitoring and Remediation (12.5%)
• Instrumental Chemistry (12.5%)
• At least four units from:
  • Environmental Geomorphology (12.5%)
  • Ecosystem Assessment for Policy Design (12.5%)
  • Topics in Marine Environmental Studies (12.5%)
  • Restoration Ecology (12.5%)
  • Agricultural Landscape Systems (12.5%)
  • Protected Area Management (12.5%)
• Electives (up to 25%)

ENTRY REQUIREMENTS
Minimum university entrance requirements plus TCE pre-tertiary Chemistry (CHM315109) and Mathematics (MTA315109, MTM315109 or MTS315109), or equivalent, including approved foundation units in mathematics and chemistry offered by the University of Tasmania.

A GREAT PLACE TO STUDY
Tasmania offers a unique natural environment. It has the cleanest air and water in the world, magnificent rainforests, white sand surf beaches, and snow covered mountains in winter – all very close to the University campuses.

FOR MORE INFORMATION
Full details of courses are published on the UTAS website www.utas.edu.au/courses

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Fax: (03) 6324 3368

Note: This course not currently available to international students on a student visa.

CONTACT US

AUSTRALIAN STUDENTS
For further information about the University, including course information and application processes, contact the Uni Info Centre.
Phone: 1300 363 864
Email: Course.Info@utas.edu.au
Web: www.utas.edu.au/futurestudents

INTERNATIONAL STUDENTS
For intending International students, detailed information on the content of these and other UTAS courses, campuses, facilities, fees, refund policy, rules of admission and assessment, the ESOS Framework and an overview of the local Tasmanian environment, please visit the UTAS International Students website on:
www.utas.edu.au/international
Phone: +62 3 6324 3775 Email: Your.Study@utas.edu.au

Please be advised that not all courses offered by UTAS are available to Overseas/International Students