Environmental Science in Australia & New Zealand

There is no better place in the world to study environmental-related subjects than the South Pacific. Whether it's environmental sciences, environmental studies or management, marine science, or ecology, Australia and New Zealand provide a learning environment like no other place you can go. Universities in Australia and New Zealand are some of the best on the planet at which to spend a semester or academic year abroad. State-of-the-art facilities, world-class faculty, and opportunities for field work provide an enjoyable, dynamic learning environment for students in these fields. In addition, you will find both internships and summer programs available in these fields, offering opportunities to gain valuable real-world experience in some of the most diverse ecological and environmental habitats in the world.

Semester/Year Abroad at an Australian or New Zealand University

Earn credit towards your undergraduate degree program—take classes in your major and minor, electives, or something unique to these countries.

Universities in Australia and New Zealand have some of the best curriculums in the world and offer a very wide variety of science courses you can take, including:

- Antarctic Studies
- Aquaculture
- Biodiversity
- Botany
- Coastal Resource Management
- Conservation Biology
- Ecology
- Ecosystems
- Environmental Management
- Environmental Policy
- Environmental Science
- Environmental Studies
- Geology
- Global Environmental Issues
- Marine Biology/Science
- Natural Resources
- Oceanography
- Rainforest Science
- Sustainable Development
- Tropical Marine Ecology

Graduate School in Australia or New Zealand

Earn your entire graduate degree abroad from a choice of more than 30 universities. Complete a master's degree in as little as one year or a PhD in as little as three. Universities in these countries are ranked highly on the international scale and renowned for their academics, faculty and research. The GRE exam is NOT required, you can get U.S. government financial aid, and costs are, in many cases, cheaper than comparable programs at North American universities.

AustraLearn is the designated North American contact for 31 universities in Australia and New Zealand. AustraLearn provides program and enrollment counseling as well as a range of other services (financial aid, student visa, airline tickets, accommodation, etc.) to assist you with not only applying to universities abroad, but to actually get there. To search for a university offering your preferred degree program or to learn more about graduate school abroad, go to **www.australearn.org/Science** and click on "Degree Programs".

About AustraLearn

AustraLearn is a leading provider of educational abroad programs to Australia, New Zealand, and the South Pacific. Having sent over 18,000 students abroad in the last 18 years, AustraLearn strives to offer programs that are both academically and culturally enriching for students. Semester/year study abroad, internship, degree, and summer programs are all available through AustraLearn.

AustraLearn provides a full range of services to assist students with the process of preparing for a successful abroad experience. The cornerstone of AustraLearn's program philosophy is integration with local cultures. Our overseas support center is available 24/7 to assist students while abroad, and we provide scholarship opportunities for most AustraLearn programs.

Internship Programs

International internships are an invaluable opportunity for you to expand your resume and immerse yourself in the local culture. AustraLearn offers full-time, unpaid, 10-week internships located in Australia and New Zealand, which are available during the summer, fall, or spring. You'll earn six academic credits from Chapman University upon completion of this program.

Environmental Science internships provide the opportunity to participate in a variety of research projects and/or field-based and laboratory-based tasks. Custom designed placements are also available.

Visit **www.australearn.org/Science** for more information on internship opportunities in Environmental Science.

AustraLearn: Study in Australia, New Zealand, and the South Pacific

www.australearn.org
studyabroad@australearn.org
1-800-980-0033

www.australearn.org/Science

The Australian National University - Canberra, Australia

CRICOS 00120C

The Australian National University (ANU) is one of Australia's most famous universities. Located in Canberra, the seat of the Australian federal government, the ANU offers the opportunity for students to experience life and study in the city where Australia's national environmental policies are made. With three of its seven colleges involved in research and teaching various aspects of environmental science, and with a close involvement of the Commonwealth Science and Industrial Research Organization (CSIRO) and government departments, the subject of environmental science is a strong discipline at the ANU. The subject areas covered range from environmental measurement, climate change, biology, physics, and chemistry to environmental management and policy.

Sample Environmental Science classes available at The Australian National University:

GEOL1006	The Blue Planet	SRES1001	Resources, Environment and Society: Geography of Sustainability
SRES2004	Weather, Climate and Fire	SRES2007	Economics for the Environment
SRES3021	Human Futures	SRES3007	Participatory Resource Management: Addressing Environmental Conflict
SRES1004	Australia's Environment	SRES1003	Environment and Society Research Methods
SRES4003	Sustainable Forest Planning	SRES3022	Environmental Biogeography and Global Ecology

Highlights of the Environmental Science Program at The Australian National University:

- Environmental Studies at the ANU has a multidisciplinary focus and includes some of the world's leading researchers in environmental studies including Climate Change. Students have access to world-class staff.
- Many courses have fieldwork components around Australia and overseas (e.g., Thailand and Vietnam)
- Class sizes are small enough for students to get to know their lecturers.

Study Internship Combination Available

Special Offerings in Environmental Science at The Australian National University:

- ANU is located in the Australian national capital and students can participate in the Australian National Internship Program and experience an internship with government or business lobby groups.
- Study Abroad students can enroll in any of the undergraduate Environmental Sciences (as long as they can meet pre-requisites from past study) and can participate in courses which include short and long term fieldwork and practical sessions.

AUT University - Auckland, New Zealand

The Division of Applied Sciences offers a broad, experience-based learning experience in Environmental Studies. Our teaching staff are all active researchers in fields such as Marine Ecology, Evolutionary Ecology, and Systematics. The practical focus of the Faculty resonates in all coursework and curriculum, with field trips and laboratories a major part of the learning experience in all undergraduate classes.

Sample Environmental Science classes available at AUT University:

776315	Marine Ecology	777315	Geographical Information Systems
777311	Coastal Management	776330	Biology of Marine Organisms
776316	Terrestrial Ecology	776812	Health and Nutrition of Aquatic Organisms
776811	Aquaculture Production	777313	Natural Resources Management

Study Internship Combination Available

Highlights of the Environmental Science Program at AUT University:

- Large emphasis in practical skills and experience
- Work placement in industry
- Small class sizes, allowing students to build relationships both with other students and teaching staff

Special Offerings in Environmental Science at AUT University:

Students at AUT are exposed to leading researchers in diverse research disciplines, in marine (intertidal to the deep sea), freshwater and terrestrial ecology, with research undertaken in aspects of aquaculture (shellfish, squid, algae, fish), conservation (cetacean biology, deep-sea biology), resource management, planning, and marine-invertebrate systematics (squid, sponges). Study Abroad students are encouraged to become directly involved in staff and postgraduate research, and to participate in field trips organized by the AUT Field Club to foster interest in and conservation of New Zealand's marine, freshwater, and terrestrial habitats, flora, and fauna.

View complete university profiles and more available classes at www.australearn.org/Science

Bond University - Gold Coast, Australia

CRICOS 00017B

Bond University's Faculty of Business, Technology, and Sustainable Development incorporates the first designated planning and design institute in Australia to offer high level degree programs that integrate all aspects of environmentally sustainable development with business, societal, economic, financial, legal, and information technology considerations. With the lowest staff-to-student ratio of any university in Australia, Bond students benefit from the personalized mentoring approach adopted by our teaching professionals, whose academic qualifications are complemented by practical experience consulting to major developers and government authorities.

Sample Environmental Science classes available at Bond University:

SSUD11-100 Principles of Sustainable Property	SSUD11-104 Introduction to Economics of Development
SSUD11-300 Planning Process	SSUD11-301 Sustainable Development & the Urban Environment
SSUD11-101 Understanding Buildings	SSUD12-211 Economics of Sustainable Development
SSUD11-200 Principles of Property Valuation	SSUD12-103 Managing Projects
SSUD12-100 Urban Development	SSUD12-304 Assets and Facilities Management

Highlights of the Environmental Science Program at Bond University:

- Classes are held in a 'living laboratory' – the Faculty's new state-of-the-art School of Sustainable Building which incorporates the very latest energy efficient, carbon neutral, and environmentally sustainable design principles.
- Our central location on the Gold Coast positions the School in the midst of Australia's fastest growing region where our established industry networks give students access to some of Australia's most innovative and progressive residential, commercial, and infrastructure developers.
- Bond is one of the only Australian universities that has semester intakes in January, May, and September, in line with the North American system.

Special Offerings in Environmental Science at Bond University:
Undergraduate subjects are available relevant to urban design, planning, sustainable development, and property. Postgraduate offerings complement studies in infrastructure management, project management, urban planning, and urban development.

Edith Cowan University - Perth, Australia

CRICOS 00279B

Environmental Sciences at Edith Cowan University (ECU) is housed in a new ecologically sustainable building. Situated on Joondalup campus, amidst native woodland, this state-of-the-art facility provides students and staff with the most modern science laboratories for teaching and university-based research in Western Australia.

ECU offers a wide range of learning areas including new Environment Forensics and Environmental Health options. Others include: Biological Sciences, Conservation Biology, Environmental Chemistry, Environmental Management, Sustainable Forestry, Catchment Management, Marine and Freshwater Management, Marine and Freshwater Biology, Forensic, and Biomolecular Sciences.

Sample Environmental Science classes available at Edith Cowan University:

SCI 2101 Australian Plants	SCI 2256 Coastal and Marine Management
SCI 2102 Australian Animals	SCM3202 Environmental Planning
SCI1184 Australia's Physical Environment	SCI3311 Soil Conservation and Land Management
SCI1181 Managing the Environment	SCI3356 Fisheries and Aquaculture
SCI1186 Understanding Pollution	SCM2104 Geographical Information Systems

Highlights of the Environmental Science Program at Edith Cowan University:

- Cutting edge campus facilities and laboratories.
- Practical classes with most subjects having field work as a requirement.
- Graduate feedback is very pleasing with focus being on the success of their careers being linked to the hands-on, applied nature of Environment courses at ECU.

Special Offerings in Environmental Science at Edith Cowan University:
Almost every single unit offered within Environmental Sciences is hands-on and practical offering students the opportunity of field trips and field work.

View complete university profiles and more available classes at www.australearn.org/Science

Griffith University - Brisbane and Gold Coast, Australia

Griffith UNIVERSITY
Queensland, Australia
CRICOS 00233E

In 1975, Griffith University had the foresight to launch Australia's first environmental studies program. Since that time, the environment has been catapulted from a fringe issue to the top of political and industry agendas around the world, bringing with it an ever-increasing demand for the services of environmental specialists. The School of Environment at Griffith University is the largest group of environmental professionals in any university in Australia, and amongst the largest in the world. It is a world leader in the training of environmental professionals. The Faculty continues to be at the cutting edge in developing new and innovative degree programs.

Sample Environmental Science classes available at Griffith University:

1602EAS	Botany and Zoology	1037EVP	Environmental Planning
2802EAS	Marine Vertebrates	3606EAS	Conservation Biology
2604EAS	Wildlife Management	2111AES	Air Pollution and Noise
1301EAS	The Global Environment	1121AES	Understanding Environmental Issues
2804EAS	Coastal Environments	1181AES	Sustainable Development

Highlights of the Environmental Science Program at Griffith University:

- Griffith established the first (and largest) Environmental Science Faculty in Australia, which boasts links to top institutions around the world.
- The courses offered through Griffith's School of Environment are unique because they are inter-disciplinary in nature. This means they combine and integrate study of the many traditional subject areas required for understanding and solving environmental problems.

Special Offerings in Environmental Science at Griffith University:
3403EAS: Ecotourism Field Course: This course uses lectures, field visits, case studies, field classes, guest lecturers, and workshops to provide an appreciation of the practicalities of ecotourism from the perspectives of operators, guides, land managers, marketing, and promotion agencies, and conservation and community interests.

James Cook University - Townsville and Cairns, Australia

JCU
JAMES COOK UNIVERSITY
CRICOS 00117J

The Faculty of Science, Engineering and Information Technology at James Cook University (JCU) is amongst the best in Australia and is recognized internationally for its areas of strength in tropical and conservation biology, earth sciences, environmental science, fluid dynamics, advanced materials, and marine science. The Faculty is ranked highly both nationally and internationally, being listed in the top ten universities in Australia for Science (Melbourne Institute 2006) and as the highest ranked Australian university for citations in Ecology/Environment over a 10-year period.

Sample Environmental Science classes available at James Cook University:

AQ3007	Aquatic Animal Ecophysiology	EV2360	Cradle to Grave: Population Economy & Environment
BT3400	Tropical Flora of Australia	EV3201	Managing Coastal and Marine Environments
BZ2430	Life at the Land/Sea Interface	BT3280	Tropical Rainforest Ecology
EV2452	Biogeography and Climatology	MB3200	Marine Conservation Biology
MB2060	Marine Ecology and Environmental Assessment		

Highlights of the Environmental Science Program at James Cook University:

- Most courses within the sciences at JCU incorporate hands-on and practical learning with nearly all science classes through field trips.
- Research facilities available to Study Abroad students include island, rainforest, and outback field stations; research vessels; and excellent laboratories.
- The location in the tropics of Australia allows students to study quality subjects in a unique environment, with two World Heritage listed natural wonders of the world on its doorstep!

Special Offerings in Environmental Science at James Cook University:
The highlight within the Faculty of Science are its popular subjects offering field components which get you out in the natural environment for study and research. For those students who would like to really get out and see North Queensland, the Faculty offer intensive (fast track) subjects during winter and summer months.

View complete university profiles and more available classes at www.australearn.org/Science

Lincoln University - Christchurch area, New Zealand

Environmental subjects are available at both the undergraduate and postgraduate level within the Environment, Society, and Design Division at Lincoln University, with particular strengths in Environmental and Resource Studies, Recreation Social Science, and Tourism. Lincoln also offers many other relevant classes in the areas of agriculture, agronomy and plant science, biochemistry, biodiversity, conservation and wildlife biology, entomology, food science, fungal genetics, horticulture, microbiology, plant pathology, soil health, toxicology, urban and forest ecology, and viticulture and oenology.

Sample Environmental Science classes available at Lincoln University:

ERST202 Resource Analysis with Geographic Information Systems
ERST203 Enviro Monitoring & Resource Assessment
ERST204 Issues in Sustainable Rural Land Use
ERST312 Environmental Management Systems
ERST340 Environmental Planning
ECOL 202 Biological Diversity
ECOL 304 Nature Conservation
SOSC 021 Soils and Soil Management
FORS 204 World Forestry
MICR 327 Environmental Microbiology

Highlights of the Environmental Science Program at Lincoln University:

- Interdisciplinary approach
- Innovative and engaging teaching and accessible staff
- Smaller class sizes
- A friendly and welcoming campus in park-like setting, about 12 miles from Christchurch

Special Offerings in Environmental Science at Lincoln University:

The Environment, Society, and Design Division offers many exciting opportunities in postgraduate and undergraduate study and in research. Staff are involved both in the teaching of a wide range of courses within the academic programs of the university and are all actively involved in research. The Division also runs two research centers: Isaac Centre for Nature Conservation (ICNC) and Tourism and Recreation Research and Education Centre (TRREC).

Murdoch University - Perth, Australia

CRICOS 00125J

Murdoch is recognized as the leader and pioneer of Environmental Science in Australia, after being the first university to offer this discipline. With leading academic staff in the areas of Marine Science, Conservation Biology, Environmental Restoration, and Environmental Management, students are taught a curriculum that is relevant both in Australia and overseas. Murdoch's excellence in this field is not limited to its academic staff but span its teaching, state-of-the-art facilities, and research centers. With a strong tradition in the area of Environmental Science and with over 100 classes to choose from, it is no wonder students continue to choose a semester abroad at Murdoch.

Sample Environmental Science classes available at Murdoch University:

ENV104 Australian Environmental Issues
ENV268 Ecology
ENV210 Environmental Technology for Sustainable Development
BIO384 Marine Estuarine Biology
ENV222 Pollutants and the Human Environment
ENV282 Oceanography and Marine Pollution
ENV281 Water and Earth Science
ENV381 Coastal and Marine Management

Highlights of the Environmental Science Program at Murdoch University:

- Classes are practically based with many field studies.
- The School's well-equipped laboratories include facilities to study environmental problems through model simulations.
- The School hosts the United Nations Environment Programme International Environmental Technology Centre (UNEP-IETC) Asia Pacific Cooperation Research Centre, which is one of only five in the world.

Special Offerings in Environmental Science at Murdoch University:

Study Abroad students have the opportunity to undertake classes that include excursions and field trips, which enable students to experience the unique environment of Western Australia. Marine Estuarine Biology is one such class that includes an extensive one-week field trip to Point Peron. Students study marine communities in an unique environment ranging from sea grass beds through to freshwater aquatic systems unique to Western Australia. The field trips incorporate the opportunities for students to dive, snorkel, and boat while collecting laboratory ready samples.

Queensland University of Technology (QUT) - Brisbane, Australia

CRICOS 00213J

Learn about Australia's unique and delicate ecosystem through QUT's Faculty of Science. QUT's Faculty of Science offers units that represent an exciting blend of academic knowledge with field work to ensure students are job-ready. Choose from units in Ecology and Environmental Science and combine these with some of the many other science units available. QUT science courses equally balance theory and practical experience, which allows international students to absorb, understand, and treasure the unique surrounds of Australia during their stay.

Sample Environmental Science classes available at QUT:

NRB100	Environmental Science	NRB240	History of Life on Earth
NRB301	Earth Surface Systems	NRB270	Animal and Plant Structure and Function
NRB311	Population Ecology	NRB412	Experimental Design

Highlights of the Environmental Science Program at QUT:

- Fully-equipped scientific and computing laboratories and state-of-the-art multimedia class environments to enhance learning.
- Facilities such as the Geoscience Analytical Laboratory, which uses the latest technologies to analyze earth materials for geoscientific and environmental purposes.
- Access to state-of-the-art facilities like the Molecular Population Genetics Research Laboratory and the Reticulated Freshwater Aquaculture Facility.

Special Offerings in Environmental Science at QUT:
Studies will provide you with both the strong scientific base and the generic skills that will allow you to apply your scientific knowledge to a wide range of environmental problems. Rather than learning simply to describe the different environmental systems, you will gain an understanding of the mechanisms that control these systems and the interaction between the various components. Curriculum design integrates critical thinking, problem-solving, and information literacy with facts and processes of science.

University of Adelaide - Adelaide, Australia

THE UNIVERSITY OF ADELAIDE AUSTRALIA

CRICOS 00123M

The University of Adelaide is a member of the 'Group of Eight' – Australia's leading Universities. The Faculty of Sciences offers a range of exciting courses which are concerned with understanding, managing, and conserving the natural systems of the Australian continent. Study Abroad students can choose from courses in ecology, evolutionary biology, marine biology, marine ecology, geology and geophysics, and soil and land systems. Their academic staff enjoy world-class reputations for their research and this experience helps to guide and inform their teaching both in the classroom and the field.

Sample Environmental Science classes available at University of Adelaide:

ENV BIOL 2001	Evolutionary Biology	ENV BIOL 3010	Marine Ecology
ENV BIOL 2006	Botany	ENV BIOL 3011	Evolution and Diversity of Insects
ENV BIOL 3003	Ecophysiology of Animals	ENV BIOL 3121	Concepts in Ecology
ENV BIOL 3004	Freshwater Ecology III	GEOLOGY 2008	Landscape Processes and Environments
ENV BIOL 3008	Conservation and Restoration	GEST 2009	Introduction to Environmental Impact Assessment

Highlights of the Environmental Science Program at University of Adelaide:

- Marine study at field stations on York Peninsula, West Island, and Kangaroo Island gives you hands-on, practical experience and provide access to some of the unseen wonders of the globe.
- Arid-Lands focus allows for a unique range of research possibilities; from the driest state in the driest continent, University of Adelaide provides you the opportunity to study arid and semi-arid systems.

Special Offerings in Environmental Science at University of Adelaide:
World-class research in ecology and evolutionary biology combines with the use of marine and coastal systems, natural and constructed wetlands, estuaries, woodlands, and the arid. This equips students with skills to pursue careers associated with the management and restoration of marine, terrestrial, and freshwater systems, including the conservation of flora and fauna. Professors have strong links with state departments and cooperative research centers. Their teaching not only provides an evolutionary background to Australia's unique wildlife, but also outlines the threats caused by excessive resource use and climate change and solutions.

University of Canterbury - Christchurch, New Zealand

University of Canterbury's (UC's) College of Science prides itself on underpinning its teaching with research excellence. It is commonplace for our students to be taught by leaders in their fields either from the College or as part of significant academic exchange programs that it runs with the USA and UK. UC's College of Science offers a wide range of subjects of interest to Environmental Science students, including a full selection of courses in foundation subjects such as the Biological Sciences, Chemistry, Geography, and Geological Sciences alongside specialised offerings in supporting subject areas like Antarctic Studies and Forestry.

Sample Environmental Science classes available at University of Canterbury:

ANTA102 Antarctic Studies: The Cold Continent
BIOL270 Ecology
BIOL374 Marine Ecosystems
FORE 121 Forests and People
GEOG206 Resource and Environmental Management
BIOL112 Ecology, Evolution and Conservation
BIOL114 New Zealand Biodiversity and Biosecurity
BIOL378 Population Ecology and Conservation
GEOG108 Resources and Sustainability

Highlights of the Environmental Science Program at University of Canterbury:

- UC has more field stations than any other NZ university, from the high country to the ocean.
- The facilities for science at UC are world class, including cutting-edge laboratories and access to 24-hour computer labs and several libraries.
- The University of Canterbury is host to Gateway Antarctica, a major international centre for Antarctic research, with Antarctic Studies courses available to Study Abroad students.

Special Offerings in Environmental Science at University of Canterbury:

The School of Biological Sciences has particular strengths in terrestrial, freshwater, and marine ecology, with the University hosting a Centre of Excellence in Aquaculture and Marine Ecology (CEAME) and a Biomathematics Research Centre. The University operates field stations at Cass (in the Canterbury high country), Kaikoura, Harihari (South Westland), and Westport that are particularly well-equipped for Environmental Science teaching and research.

University of Melbourne - Melbourne, Australia

The Faculty of Science provides you with the opportunity to study science and technology from a different perspective. Programs are offered in marine biology, botany, geology, zoology, astrophysics, and environmental science and take advantage of Melbourne's proximity to Australian wildlife and geological formations. Environmental Studies in the Faculty of Arts combines scientific knowledge of natural environments with an understanding of how human societies relate to the natural world. Areas of study include environmental management, biogeography, sustainability, and indigenous land and resource issues.

Sample Environmental Science classes available at University of Melbourne:

121-017 Society and Environments
121-028 Sustainable Development
654-309 Field Biology of Australian Wildlife
121-172 Global Ecology and Biodiversity
625-201 Geology of Southeast Australia
121-022 Development and Urban Environments
166-038 Indigenous Rights: Land and Heritage
121-021 Environmental Politics and Management
654-302 Experimental Marine Ecology
650-111 Biology of Australian Flora and Fauna

Highlights of the Environmental Science Program at University of Melbourne:

- Widest range of science disciplines in Australia, offering students new areas to explore or the ability to continue their major.
- Interdisciplinary approach to Environmental Studies, with academic staff from a variety of backgrounds including Geography, Anthropology, and Development Studies.
- Many of the classes on offer have a unique Australian or indigenous focus.

Special Offerings in Environmental Science at University of Melbourne:

Many classes include laboratory or fieldwork components providing the opportunity to get away from the campus environment and to put your skills into practice. Laboratory internships can be taken as credit towards your degree or completed for interest only. Environmental Studies also includes Australian Indigenous Studies, offering field and classroom-based options. Areas covered include indigenous land and resource issues; native title; indigenous issues in anthropology, geography, and environmental studies; and indigenous Australian political issues.

University of Newcastle - Newcastle, Australia

THE UNIVERSITY OF NEWCASTLE AUSTRALIA
CRICOS 00120C

The Faculty of Science and Information Technology at the University of Newcastle is one of Australia's most innovative faculties for research into climate change, sustainability, and the environment. The curriculum is progressive, forward-thinking, and inspired by contemporary themes in environmental science and sustainable resource management. An extensive range of subjects are available to enhance your understanding of all aspects of the environment. Examples include exploring some of Australia's foremost natural and diverse landscapes, discovering the rich biodiversity with Australia's unique flora and fauna, investigating the impacts of development on our communities and landscape, or debating the concepts of sustainability and renewable energy resources.

Study Internship Combination Available

Sample Environmental Science classes available at University of Newcastle:

EBIOL2070	Ecology
CHEM2610	Environmental Chemistry 1
ENVS2040	Energy & the Environment
GEOS2070	Climatology and Soils
EMGT2020	The Sustainable Society
MARI2300	Marine Biology
ENV1020	Environmental Ethics
EMGT1020	Social Development & the Environment
EMGT2040	Conservation and Management of Australian Flora
GEOS2161	GIS and Remote Sensing

Highlights of the Environmental Science Program at University of Newcastle:

- Emphasis on the holistic nature of science and the relationships between ecological, economic, and social sustainability.
- Emphasis on practical hands–on experience; most classes have labs and field trips as an integral part of the learning experience.
- Opportunity to study under the leadership of academic staff who have won awards for teaching excellence and are at the forefront of research into Environmental Science in Australia.

Special Offerings in Environmental Science at University of Newcastle:

Newcastle's classes are underpinned by a strong link between theory and practice. University of Newcastle believes in developing environmental professionals who are equipped to help manage and sustain our environment for future generations. Study Abroad students will have the opportunity to undertake practical field trips to diverse ecosystems from estuaries and rainforests to the World Heritage-listed Barrington Tops, which is home to both temperate and tropical species.

University of Otago - Dunedin, New Zealand

UNIVERSITY of OTAGO
SAPERE AUDE
Te Whare Wānanga o Otāgo

The University of Otago is situated minutes from many unique wildlife and ecological research fields - home to Royal Albatross, Yellow-eyed Penguins, Seals and Sea Lions, Geckos and Skinks, Royal Spoonbills, and various shag species. A little further afield there are widely diverse areas such as Central Otago's cryptic ecosystem and the lush and untouched rainforest of the Catlins. Offshore there is a deep sea trough that also opens up a huge range of fieldwork possibilities. The University also has a new research vessel, the Polaris II, which has further extended the range of marine research - now to the sub-Antarctic.

Sample Environmental Science classes available at University of Otago:

ECOL111	Ecology and Conservation of Diversity
BTNY223	New Zealand Plant Ecology
BTNY225	Marine Botany
GEOL112	Dynamic Earth, a New Zealand perspective
GEOL252	Field studies and New Zealand Geography
GEOL272	Evolution of New Zealand Biota
MARI201	The Marine Environment
SURV216	Land Tenure Studies

Highlights of the Environmental Science Program at University of Otago:

- The Environmental Sciences department makes the most of the huge lab space on its doorstep. Field trips are a very welcome component of courses in Botany, Zoology, Ecology, Geology, Geography, Chemistry (sometimes), and Surveying.
- The sciences at Otago are very lab-based and hands-on, and the passionate staff has an infectious enthusiasm for science.
- Geologically, New Zealand is much younger than most countries, and because of its place on the Pacific /Australian plates, New Zealand offers an exciting and very active geology. Students get up close and personal with the Alpine fault line, glaciers, and the sharp mountain ranges and valleys they have formed.

Special Offerings in Environmental Science at University of Otago:

- Unique environments, rare species, and exploring the wide open spaces of a new land are all part of the package.
- Class sizes are small and teaching and tutoring staff welcome active learning from students.
- Otago is able to offer a number of classes with specific New Zealand content which make the most of the natural environment surrounding Dunedin.

The University of Queensland - Brisbane, Australia

THE UNIVERSITY OF QUEENSLAND
AUSTRALIA
CRICOS 00025B

The University of Queensland's (UQ) Faculty of Biological and Chemical Sciences is unique in combining chemistry with a comprehensive range of biological sciences, including biomedical sciences. The faculty has extensive study and research opportunities in plant and animal biology with research programs spanning environmental science, conservation biology, marine science, ecology, plant and animal physiology, insects, genetics, and evolution. Study Abroad students can enroll in a range of exciting courses with field work components. Field courses take students to the Great Barrier Reef, Moreton Bay, Lamington National Park, Fraser Island, Australia Zoo, and Outback Australia, providing up-close encounters with the Australian environment.

Sample Environmental Science classes available at The University of Queensland:

BIOL 2001 Australia's Terrestrial Environment
MARS 2005 Australia's Marine Environment
BIOL 3016 Outback Ecology Field Studies
BIOL 3015 Rainforest Ecology Field Studies
BIOL 3000 Conservation and Wildlife Biology
MARS 3001 Coral Reefs
ERTH 3110 Marine Geology & Oceanography
BIOL 1016 Ecology and Environment

Highlights of the Environmental Science Program at The University of Queensland:

- UQ is a major hub for science research and teaching in Australia. It has one of the largest groupings of environmental experts in Australia with more than 170 environment experts.
- UQ has world-class facilities, including the Marine Research Stations on the Great Barrier Reef and Moreton Bay.
- UQ's proximity to local environments such as the Great Barrier Reef and unique rainforests enables students to have access to and study a vast number of ecosystems.

Special Offerings in Environmental Science at The University of Queensland:

The University of Queensland offers a stimulating and challenging environment in which to study and provides comprehensive coverage of a range of disciplines. Study Abroad students are welcomed into the UQ community and have the opportunity to participate in the Buddy Program exposing students to many exciting Australian cultural activities.

University of South Australia - Adelaide, Australia

University of South Australia
CRICOS 00121B

Environmental management and sustainability education at the University of South Australia (UniSA) reflects a broad approach to the concept of environmental sustainability. Within this approach, UniSA has designed four individual award programs specializing in different areas of environmental management and sustainability. All specializations emphasize a systems approach to environmental management and the use of technologies such as geographical information systems and remote sensing as core tools.

Sample Environmental Science classes available at University of South Australia:

BIOL 1015 Sustainable Ecosystems
ENVT 4026 Environmental Planning and Policy
PHYS 1015 Earth and Space
EART 1010 Earth Systems
ENVY 1015 Scientific Analysis and Communication
ENVT 2004 Park and Wilderness Management
BIOL 1014 Biodiversity for the Environment
ENVT 1013 Environment: A Human Perspective

Highlights of the Environmental Science Program at University of South Australia:

- There is a strong emphasis on practical skills, reinforced by laboratory work, field trips, camps, and industry-based assignments.
- This practical and field-based approach is supported by a balance of natural and social science courses as well as management courses providing the knowledge for sustainable management of our natural resources.
- The programs provide a broad understanding of environmental issues, focusing on the issues of environmental pollution, impact assessment, and environmental law.

Special Offerings in Environmental Science at University of South Australia:

- UniSA's programs have been designed in consultation with industry and the professions and incorporate real world professional experience so graduates can be immediately effective in the workplace.
- UniSA's continued close work with industry has helped us establish some of the most relevant programs in Australia.
- Adelaide is one of Australia's most affordable and livable cities. Straddling the rich, fertile plains between the Mount Lofty Ranges and clean, sandy beaches, Adelaide offers a welcoming multicultural setting with a pleasant, relaxed lifestyle.

View complete university profiles and more available classes at www.australearn.org/Science

University of Sydney - Sydney, Australia

CRICOS 00026A

The Faculty of Science's School of Geosciences is a leader in the development and application of geo-scientific solutions. With links to government departments, other universities, and research institutes including our own Institute of Marine Science, the courses offered at the University of Sydney provide a unique opportunity for students to broaden their knowledge of the environmental sciences. Related areas include: Geology, Geography, Marine Biology and Ecology, Coastal Studies, Geophysics, and Environmental Studies.

Sample Environmental Science classes available at University of Sydney:

GEOS 1001 Earth, Environment and Society
GEOS 1003 Introduction to Geology
MARS 2005 Global Oceans
GEOS 3014 GIS in Coastal Management
GEOS 3007 Remote Sensing: Imaging the Earth
GEOS 1002 Introduction to Geography
GEOS 2111 Natural Hazards: a GIS approach
MARS 2006 Marine Ecosystems and Geomorphology
GEOS 2121 Environmental & Resource Management

Highlights of the Environmental Science Program at University of Sydney:

- The Faculty of Science administers a large number of subjects enabling students to either focus their studies on a particular area of science or to undertake a wide range of subject areas to broaden their general knowledge and experience.
- Many of the courses available in the Faculty of Science are field sciences and emphasis is placed on the analysis of objects in their real world setting. Fieldwork and field excursions are an integral part of both undergraduate and postgraduate study.

Special Offerings in Environmental Science at University of Sydney:
The School of Geosciences has close links with a number of state-of-the-art facilities that students have the chance to visit and utilize in their studies. Among these are the University of Sydney Electron Microscope Unit which is located on campus and the University's Marine Studies Centre Coral Reef Field Station on the Great Barrier Reef.

University of Tasmania - Hobart, Australia

CRICOS 00586B

The University of Tasmania draws upon Tasmania's unique environment, its wilderness, and wildlife to provide specialist and distinctive programs of the highest quality including courses in Natural Environment and Wilderness, Zoology and Marine Science, Antarctic and Southern Ocean Studies, Plant Science, and Forest Ecology. The Faculty of Science, Engineering, and Technology is internationally regarded for its highly qualified and dedicated staff, research achievements, and the high standard of courses. Many of the Faculty's schools are connected with world-class research centers.

Sample Environmental Science classes available at University of Tasmania:

KGA323 Environmental Management
KGA333 Forest Ecosystems
KGA381 Environmental Impact Assessment
KPA379 Plant Ecology
KZA356 Marine Ecology
KGA332 Fauna Conservation Management
KGA378 Wilderness and Natural Area Management
KPA302 Australian Landscape Change
KZA351 Antarctic Ecology
KZA350 Reproduction and Endocrinology for Conservation

Highlights of the Environmental Science Program at University of Tasmania:
Tasmania is the 'natural place to study in Australia' – it has the cleanest air and water in the world, spectacular landscapes, magnificent rainforests, brilliant white beaches and snow-covered mountains in winter, all within easy access to the University. It is the only Australian university with alpine habitats on its doorstep – you can be at the top of a mountain in 20 minutes!

Over a third of the island state is reserved in a network of national parks and the Tasmanian Wilderness World heritage area, a refuge and habitat for rare plants and animals. Many of Tasmania's courses involve excursions and fieldwork, taking advantage of the abundance and diversity of natural ecosystems and wilderness areas.

University of Waikato - Hamilton, New Zealand

Environmentally-focused courses taught at Waikato are highly interdisciplinary and targeted to students pursuing careers in environmental management, planning and engineering, and research related to the environment. Courses cover a range of areas including biology, chemistry, earth and ocean sciences, engineering, geography, mathematics, and physics. Significant areas of research at Waikato include resource and environmental planning, lake ecosystem restoration, climate change, biodiversity and ecology research, and coastal marine research. Academic staff have strong linkages with the New Zealand government and international environmental research organizations.

Sample Environmental Science classes available at University of Waikato:

ERTH104 Dynamic Earth Environments
GEOG206 Principles of Environmental Planning
ENMP241 Environmental Technology
ERTH242 Oceanography
ERTH282 Geohazards
GEOG306 Hazards, Risk and Impacts
TOST 306 Geographies of Tourism Planning and Development
BIOL312 Applied Terrestrial Ecology
BIOL314 Marine Biology and Monitoring
ERTH321 Volcanology

Highlights of the Environmental Science Program at University of Waikato:

- Fieldwork is a major component of many of the University's environmentally focused courses, given the university's proximity to both North Island coasts, the active central volcanic region, and New Zealand's richest farming area.
- Group exercises are designed to help international students mix and learn with Kiwi students. Staff have an excellent reputation for an open door policy for students and international students are very welcome.
- Peri-urban, rural, tourism, and environmental planning courses focus on effects-based planning, differentiating them from traditional town planning programs.

Special Offerings in Environmental Science at University of Waikato:

Waikato's environmental courses nearly always offer real life, current, controversial case studies as student topics. Outside practitioners give guest lectures to most courses. There is a strong emphasis on experience within the field. Suitably qualified students at or approaching graduate study may be eligible for Antarctic research opportunities.

University of Wollongong - Wollongong, Australia

CRICOS 00102E

The Faculty of Science at the University of Wollongong (UOW) is internationally recognized for its excellence in scholarship, research and teaching with leading researchers lecturing in undergraduate subjects. This strong integration of teaching and research enables students to learn about the cutting edge research taking place in a range of science disciplines. With the UOW campus located on the coast approximately one hour south of Sydney, UOW is ideally located for environmental science studies as students are exposed first-hand to a wide range of urban, rural, coastal, and ecological issues.

Sample Environmental Science classes available at University of Wollongong:

BIOL241 Biodiversity: Classification and Sampling
CHEM214 Analytical and Environmental Chemistry
EESC208 Environmental Impact of Societies
MARE300 Fisheries and Aquaculture
PHYS233 Introduction to Environmental Physics
BIOL351 Conservation Biology: Marine and Terrestrial Populations
EESC203 Biogeography and Environmental Change
EESC308 Environmental and Heritage Management
PHIL256 Ethics and the Environment
STS300 The Environmental Context

Highlights of the Environmental Science Program at University of Wollongong:

- Close proximity to a variety of field study areas ranging from beaches to temperate rainforest and numerous national and marine parks providing an excellent living classroom for comparative studies to the North American environment.
- Strong integration of theory and practical components through lectures, lab classes, and field-based research.
- High staff-to-student ratios in practical components so that students have plenty of assistance completing their lab exercises and field research.

Special Offerings in Environmental Science at University of Wollongong:

High achieving students may apply for admission into the Science Research Internships Program which will enable successful applicants to earn credit while they gain practical research experience in their field of study. Research Internships are offered at 200-level (6 credit point subject) and 300-level (8 credit point subject). Students must be completing a Science degree at their home University and need to register their interest when they apply to AustraLearn so that their application can be assessed.

Victoria University of Wellington - Wellington, New Zealand

Victoria
UNIVERSITY OF WELLINGTON
Te Whare Wānanga o te Ūpoko o te Ika a Māui

Victoria is in a unique and ideal position to offer study in Earth Sciences. Situated at the midpoint of New Zealand, Wellington is within easy access of the volcanic plateau to the north, a major faulted region to the south and many other interesting geological, geographic, and climatic features of world-wide interest. Fieldwork, in which students are actively involved, underpins all activities within the School. With the expertise in the School of Geography, Environment, and Earth Sciences and that of the School of Biological Sciences and their facilities, Victoria is among the best at which to study environmental studies.

Sample Environmental Science classes available at Victoria University of Wellington:

ESCI 132	Antarctica: Unfreezing the Continent
GEOG 112	Development in the Asia Pacific
MAOR 124	The Science of the Maori
GEOL242	Field Ecology and Landscape Evolution
ESCI 201	Climate Change and New Zealand's Future
ENVI 214	Environment and Resources: New Zealand Perspectives
BIOL 219	New Zealand Flora and Fauna
ENVI 314	Advanced Environment and Resources: Global Issues
BIOL 371	Marine Ecology
GEOG 311	Geography of New Zealand and Australia

Highlights of the Environmental Science Program at Victoria University of Wellington:

- Victoria hosts The Antarctic Research Centre in collaboration with GNS-Science – the Government Research Institute for the Geological Sciences.
- Victoria has the closest Science Faculty to the sea in New Zealand, and as such, has strength in the study of marine conservation, marine studies, and marine resources.
- Victoria offers the only programs in ecological restoration and conservation biology in New Zealand and has unique relationships with the Department of Conservation.

Special Offerings in Environmental Science at Victoria University of Wellington:
Areas of study offered by the School of Geography, Environment, and Earth Sciences include Development Studies, Environmental Studies, Geography, Geology, and Geophysics.

View the complete university profile and more available classes at **www.australearn.org/Science**.

Summer and January Short Courses in Australia and New Zealand

If you are unable to spend an entire semester abroad, a short course is the perfect opportunity to still experience these incredible countries while learning a new skill or enhancing an interest.

A sampling of the Science programs available to you:

Tropical Marine Ecology – 4-week program in May/June. The course will provide an introduction to tropical marine ecosystems and the interactions of humans with these systems as well as opportunity for snorkeling, scuba diving, reef walking, wildlife observation, nature photography and hiking. Through lectures, hands-on research and exploration you will see a fascinating world that until now you may have only imagined.

Coral Bay: Marine Science in Western Australia – 3 weeks in June/July. AustraLearn and Murdoch University offer this program on one of the most pristine coral reefs in the world: The Ningaloo Reef. The course covers three main areas: the diversity and physical processes of marine habitats, with a focus on coral reef environments; the biodiversity of reef organisms; and biological processes, with a focus on coral reefs ecosystems.

Great Barrier Reef Studies Courses – 10 days, various topics, various dates in June and July. In partnership with the University of Queensland, AustraLearn offers six different field-intensive programs in marine science.

Study opportunities in other destinations: Fiji, Asia, or Europe

AustraLearn also offers a semester or year abroad progam to the **University of the South Pacific in Suva, Fiji**. Fiji's natural island landscape makes for an ideal place to study environmental and marine sciences.

Interested in studying in another part of the globe? Through **AsiaLearn** and **EuroLearn**, sister organizations to AustraLearn, you can spend a summer or semester in Asia in **China, Hong Kong, Malaysia, Singapore,** or **South Korea**, or undertake an undergraduate **research program** at one of 12 prestigious European universities through the **EuroScholars** program.

AsiaLearn
www.asialearn.org

EuroLearn
www.eurolearn.org

AustraLearn: Study in Australia, New Zealand, and the South Pacific

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Learn more about these other study abroad opportunities at www.australearn.org/Science