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In many areas of science, it is now essential that students undertake postgraduate study in order to ensure comprehensive coverage of a discipline. The faculties of science at the University of Sydney consistently deliver the breadth and depth of scientific knowledge necessary to produce world-class scholars and academics.

Postgraduate coursework at the University of Sydney is directed at those who will become the scientists and science-based professionals of the 21st century. The sciences play a key role in the sustainable development of our planet and our society. Those trained in environmental and marine science courses will be invaluable contributors to preparation for, and response to, future challenges.
THE SYDNEY ADVANTAGE

GREAT REASONS TO STUDY AT THE UNIVERSITY OF SYDNEY

Research excellence
The University of Sydney is ranked in the top 40 universities in the world (QS Ranking 2011/12). In terms of scientific output, the University of Sydney has been ranked first in Australia and first in the Oceania region in the SCImago Institutions Rankings World Report 2011 and 2010, which measures international research rankings. Our reputation for scientific excellence attracts the best researchers, significant research funding and prestigious prizes.

The Division of Natural Sciences is home to numerous centres of excellence and is an integral part of new multidisciplinary research hubs at the University such as the new Charles Perkins Centre, the Centre for Carbon Water and Food, and the Australian Centre for Microscopy and Microanalysis.

Excellence in teaching and learning
The University of Sydney attracts some of the best students in Australia and the world.

We provide the highest quality learning and teaching, and foster intellectual inquiry, academic freedom and integrity, and ethical practice in academic endeavors. At the heart of all of this is an exciting and stimulating student-centred learning and teaching environment.
Supporting our students
At Sydney we offer a number of programs and options that will really add value to your course and career prospects, such as professional development activities, specialist postgraduate study skills workshops, and networking events. We also want to ensure you are supported, so we offer a range of services including: the Careers Centre, accommodation information service, financial assistance and disability services to name a few.

We create leaders
Many of our graduates have gone on to become inspirational leaders, making a positive difference in Australia and around the world. Our alumni have changed the face of global science and continue to change our national and worldwide agendas.

A rich and vibrant student life
With hundreds of clubs and societies, cafes, bars, bands, theatre productions, sports, three sporting complexes, and Australia’s oldest student newspaper, Honi Soit, you will be a part of Australia’s most vibrant and active student community.

Our campus
As a student in the natural sciences you will have access to the latest research facilities and specialist equipment. Choose from facilities located across several campuses and centres. Take advantage of the University of Sydney’s beautiful campus, a combination of rich heritage and modern architecture located in inner Sydney, one of the world’s most livable cities!
Environmental science is an applied science concerned with the environment around us, regardless of whether it is natural or human-made, and how we can utilise or manage it for our benefit. It draws on a wide range of science-based disciplines and applications, from ecology to solar power, analytical chemistry to remote sensing. Environmental science is also concerned with the social issues that shape environment outcomes, including environmental law and policy, sustainability, and resource economics.

OVERVIEW
Environmental scientists and managers need to have a broad interdisciplinary knowledge base as well as the ability to be flexible and innovative in their application of such knowledge. Consequently, the emphasis of this environmental science program is placed upon studies that span and integrate several disciplines, involve adaptive problem solving and develop new skills and expertise. Our environmental science program has been designed to accommodate both the ‘professional’ environmental scientist (seeking a qualification to go with your experience) and those students seeking a new career direction (with a background in science, but interested to develop specific environmental expertise). A range of specialist streams are available if you wish to target specific areas of study.

RESEARCH PATHWAY
Students who are achieving with distinction may apply to complete the research pathway of the degree. This involves completion of an individualised research project under the direct supervision of an academic member of staff. If you complete this research project in the Master of Science in Environmental Science, you will be eligible to apply for enrolment in a research program such as an MSc or PhD.

SYDNEY ADVANTAGE
This program is unique in providing an interdisciplinary understanding of environmental science as well as specialist streams allowing you to customise your area of study. As a Sydney student, you will have access to world-class researchers and teachers enabling you to develop a wide professional network which is essential in today’s competitive employment market.

As recognition for the University’s outstanding research quality in the area of Environmental Science and Management, we were rated 5: ‘Well above world standard’, in the 2012 Excellence in Research for Australia (ERA) rankings.

PROGRAM EXPECTATIONS
The aim of the program is to provide you with an understanding of the scientific basis of environmental issues, of how environmental issues are embedded within social systems, and to develop practical skills to solve environmental problems. This knowledge will include competency in research and applied practical skills.

MODE OF DELIVERY
The majority of units are held on the University’s Camperdown campus. Science-based units such as ecology and analytical chemistry are generally run during business hours, while some units, like environmental law, are run after working hours. Although teaching times vary, most units are taught as a three hour block once per week for at least six weeks. Other units, however, are field-based and are taught more intensively, all day, and some even
over a period of just one week. Currently, field-based units are offered to places such as the Great Barrier Reef, Southeast Asia, the Snowy Mountains, and Central Australia. Assessment is primarily by essay, assignment and presentation, and sometimes by examination. Please check the website for further details on individual units of study.

ADMISSION REQUIREMENTS
Although you do not specifically need to hold a bachelor’s degree in environmental science to apply, you should hold either a bachelor of science degree, or a similar tertiary qualification, where there is an emphasis on subjects related to the environment. For instance, you may hold an arts degree majoring in geography, an environmental engineering degree, or a degree in resource or environmental economics. Alternatively, you could have substantial professional experience in the workplace related to environmental science and some type of tertiary qualification. Each application will be assessed on its individual merits.

UNITS OF STUDY
For an up to date list of the units of study offered, please visit our website.

Some of the major themes addressed by these units include:

– environmental sciences (alternative energy, ecology, climate science, environmental chemistry, among others)
– environmental management, sustainable development and the social science of the environment
– environmental modelling and Geographic Information System (GIS).

The program includes some core units of study that are mandatory for all students to ensure fundamental learning outcomes in environmental science are attained. It is possible, however, for you to specialise in certain areas, such as environmental management or GIS, by studying specific units in addition to the core units. For more details please contact the course coordinator.

AFTER GRADUATION
Depending on your background and the areas in which you choose to study, your environmental science qualification can allow you to be employed in a variety of jobs, ranging from analytical scientist and environmental indicator monitor to policy-maker and environmental or catchment manager. For example, you might be employed to undertake a survey of endangered species in a wilderness area slated for development or clearing, or to develop policy and management procedures for the allocation of scarce water resources in arid regions. Within Australia, our graduates have acquired jobs with federal, state and local government bodies including State Forests NSW, the Roads and Transport Authority, and the National Parks and Wildlife Service, as well as with private consultancies and industry.

CREDIT FOR PREVIOUS STUDY
Credit is not available in this program unless it is for units of study undertaken within embedded programs at the University within the past two years, except at the discretion of the dean.

ANNUAL INTAKE
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Environmental science and law is the merger between the applied science that is environmental science and the social aspect of law and policy that regulates our interactions with the environment.

OVERVIEW
The Master of Environmental Science and Law program allows you to undertake complementary units in the fields of environmental science and environmental law. It provides science graduates with the opportunity to extend your scientific knowledge into the area of the environment, as well as providing an introduction to the field of environmental law and policy. For law graduates, the opportunity is to extend your knowledge into environmental aspects of law, as well as to gain an understanding of some of the concepts underpinning environmental science. The program integrates disciplines which are normally considered separately and which are difficult to study concurrently outside of this program.

It also provides the opportunity for scientists to gain a qualification to complement your environmental experience and to acquire knowledge in areas of policy and management. It introduces lawyers to a more comprehensive knowledge of the laws and policies relating to the environment and an introduction to the science that underpins them.

SYDNEY ADVANTAGE
The Master of Environmental Science and Law program at the University of Sydney is unique. While there are environmental law and environmental science programs available through other universities around Australia, only the University of Sydney offers the blend of law and environmental science that characterises this program. We have access to the outstanding resources of the Australian Centre for Environmental Law, which is well known around the world in this field, as well as to all of the scientific resources available to the environmental science program.

As recognition for the University’s outstanding research quality in the area of Environmental Science and Management, we were rated 5: ‘Well above world standard’, in the 2012 Excellence in Research for Australia (ERA) rankings.

PROGRAM EXPECTATIONS
Upon graduating from this program, you will possess a practical and theoretical background in aspects of environmental science and environmental law. This knowledge will include competency in research and general practical skills in these areas.

MODE OF DELIVERY
The majority of units are held on the University’s Camperdown campus. Science-based units such as ecology and analytical chemistry are generally run during business hours, while some units, like environmental law, are run after working hours. Although teaching times vary, most units are taught as a three hour block once per week for at least six weeks. Other units, however, are field-based and are taught more intensively, all day, and some even over a period of just one week. Currently, field-based units are offered to places such as the Great Barrier Reef, Southeast Asia, the Snowy Mountains, and Central Australia. Assessment is primarily by essay, assignment and presentation, and sometimes by examination. Please check the website for further details on individual units of study.

ACADEMIC QUERIES Dr Jeffrey Neilson, Course Coordinator, Madsen Building F09
P +61 2 9351 4733 F +61 2 9351 3644 E jeffrey.neilson@sydney.edu.au sydney.edu.au/envsci
ADMISSION REQUIREMENTS
You must have a bachelor’s degree in either science or law, or be a graduate with subsequent experience which demonstrates the knowledge and aptitude required to undertake the program. Each application will be assessed on its individual merits.

UNITS OF STUDY
For an up to date list of units of study offered in this program, please visit our website.

The unit of study titled Environmental Law and Policy is compulsory for all students, while Legal Reasoning and the Common Law System is compulsory for students without a law degree. Students are able to select environmental science units to suit their specific needs and interests, but these must be completed alongside a research-oriented capstone unit.

AFTER GRADUATION
Employment opportunities depend largely on your background and the areas in which you have chosen to study, but for the most part you will be best qualified for employment in the area of environmental management and/or policy development, or in private consultancies. If you have a science background and achieve this qualification you will not be qualified to be a practising lawyer, but will have the knowledge and capabilities for jobs where the development of policy and management schedules are required. Likewise, if you have a background in law, you will not get work as a technical scientist but can work in jobs where the use and analysis of scientific data is required.

CREDIT FOR PREVIOUS STUDY
Credit is not available in this program unless it is for units of study undertaken within embedded programs at the University within the past two years, except at the discretion of the dean.

ANNUAL INTAKE
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OVERVIEW

The postgraduate program of marine science and management offers a unique opportunity to gain in-depth knowledge in a multidisciplinary curriculum. This program has been developed in collaboration with the Sydney Institute of Marine Science and its partner universities. It has been designed to give you in-depth knowledge in a range of marine science and management disciplines including units in the science and management of coasts, marine ecology and conservation, coral reefs, climate change, oceanography (physical, geological and biological) and engineering (coastal and marine).

This program is suitable for you if you are a local or international student who seeks a marine science qualification for entry into the field, or if you wish to gain new and specialised skills in a range of theoretical and practical applications to extend your area of expertise.

SYDNEY ADVANTAGE

The coastal expertise at the University of Sydney is one of the best in Australia. In the latest QS World University Rankings, Earth and Marine Science at Sydney were ranked as 17th in the world (www.topuniversities.com). We have international leaders in areas that go from coastal science and management to coastal ecology and biology. We have a tropical research station in the Great Barrier Reef and several units of study that take place there.

Sydney is an outstanding location to undertake Marine Science and Management studies, due to our extensive coastline, Harbour and unique marine ecology. The Sydney Institute of Marine Science is located in recently refurbished heritage buildings by Sydney Harbour, with state-of-the-art laboratories and facilities. Some of the units of study will be taught there, including Topics in Australian Marine Science which provides a capstone experience by introducing you to the Integrated Marine Observing System (www.imos.org.au), a national infrastructure facility that monitors the coastal and marine environment in Australia. You will work with data from the Integrated Marine Observing System to solve real-world problems and learn how to tackle multifaceted problems concerning our coasts and the ocean.
PROGRAM EXPECTATIONS
The aim of the program is to equip you with the skills, knowledge and confidence to work in the multidisciplinary field of marine science. You will gain both a theoretical understanding and applied skills to connect marine processes and the challenges that are associated with managing such a dynamic environment. Topics include coastal management, modelling, geographic information systems, ecological statistics, remotely sensed data analysis and environmental law amongst others. This will allow you to progress in your career, to refresh your skills or to undertake a career change.

MODE OF DELIVERY
The program requires one year of full-time study. If you are a local student you have the option of part-time enrolment. If you are an international student you must enrol full-time due to visa conditions. Units are offered in weekly sessions or in intensive mode. This program also gives you the opportunity to study at other participating leading universities throughout the year and you are expected to take at least two elective subjects within the degree at one of these institutions.

AFTER GRADUATION
If you were already working in a related area, the Marine Science and Management degree will enable you to progress in your career by upgrading your skills. If you had been working in a different area, the degree will allow you to undertake a career change by moving towards a position more oriented to marine science and management. After graduating, you can take up career opportunities in the government agencies that manage coastal and marine resources and environments and also in consulting companies that seek coastal and marine specialists. With climate change predictions that impact on ocean levels and marine ecology, there will be a need for more coastal and marine experts to deal with the associated impacts and effects.

With climate change predictions that impact on ocean levels and marine ecology, there will be a need for more coastal and marine experts to deal with the associated impacts and effects.

ACADEMIC QUERIES Dr Eleanor Bruce, Course Coordinator, School of Geosciences, Madsen Building F09
P +61 2 9351 6443 E eleanor.bruce@sydney.edu.au sydney.edu.au/science/marine
HOW TO APPLY

STEP 1
Select the course that you want to study
Consult this guide and the faculty websites for course details. Make a note of the full course title, course code and CRICOS code. You can apply for up to three courses, in order of preference. If you are not accepted for your first choice, you will automatically be considered for your other preferences.
sydney.edu.au/courses

STEP 2
Check the entry requirements
i) International students: To be considered for entry as an international student you must not be one of the following: a citizen of Australia or New Zealand (including joint citizenship), or a permanent resident of Australia.
sydney.edu.au/internationaloffice/student/international

ii) English language requirements:
Environmental Science and Marine Science and Management:
IELTS 6.5 (6.0)  IBT 90 (23/22)

Master of Environmental Science and Law:
IELTS 7.0 (6.0)  IBT 100 (23/22)
Scores over two years old will not be accepted.

iii) Specific academic requirements: There are specific academic requirements for each course. See the course description in this guide or visit the website below.

iv) Additional entry requirements: Some courses have additional entry requirements, such as an audition or interview. Health and security checks are also required for courses involving fieldwork in the New South Wales hospital and education systems.

For more information on entry requirements at the University of Sydney, visit sydney.edu.au/pg-int-entry

Domestic application deadlines
Semester 1: 31 October
Semester 2: 28 June

International application deadlines
Semester 1: 31 October
Semester 2: 30 April

The Faculty of Science cannot guarantee that late applications will be processed for the proposed start date.
STEP 3
Submit your application
You have two different ways of applying to study at the University of Sydney. Choose which option is most suitable for you.

i) Apply direct to the University: International students can apply direct to the University from anywhere in the world via our online application form.

Simply register with the apply online application service, select your preferred course, complete the application form and upload all relevant supporting documentation.

Alternatively, you can download and complete an application form and submit it via mail, fax or email.

[sydney.edu.au/courses](http://sydney.edu.au/courses)
[sydney.edu.au/future_students/international_postgraduate_coursework/admissions](http://sydney.edu.au/future_students/international_postgraduate_coursework/admissions)

ii) Apply through a University representative:

We have representatives in more than 50 countries who offer assistance in all aspects of the application procedure. To locate a representative near you refer to [sydney.edu.au/internationaloffice/agents](http://sydney.edu.au/internationaloffice/agents)

Make sure you read all course and application information carefully and follow instructions provided when completing your application.

This will help ensure your application can be processed efficiently and with minimal delays.

Please note that Study Abroad students can also apply direct or through a representative.

[sydney.edu.au/studyabroad](http://sydney.edu.au/studyabroad)

WHAT HAPPENS NEXT?
When we receive your application we will assess it. This usually takes four to six weeks. You will be considered for admission if you meet the University’s minimum eligibility criteria. The offer of a place also depends upon the number of places available and the quality of those competing. The University will communicate with you or your agent regarding your application via email, including offers and requests for further information.
<table>
<thead>
<tr>
<th>COURSE NAME</th>
<th>COURSE CODES</th>
<th>REQUIREMENTS</th>
<th>ENGLISH EXAMS</th>
<th>FEES/DURATION &amp; ENTRY</th>
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<tbody>
<tr>
<td><strong>ENVIRONMENTAL SCIENCE</strong>*</td>
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<tr>
<td>Master of Science in Environmental Science</td>
<td>COURSE LC056 CRICOS 074174K</td>
<td>ACADEMIC REQ: Relevant bachelor’s degree with credit average, or any bachelor’s degree plus substantial relevant work experience. PROGRAM REQ: 8 units of study, including optional research project.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $490 per cp INT $18,400 per sem DUR 2 sems ENTRY March or July</td>
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<tr>
<td>Graduate Diploma in Environmental Science</td>
<td>COURSE LF044 CRICOS 074173M</td>
<td>ACADEMIC REQ: Bachelor’s degree. PROGRAM REQ: 6 units of study.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $490 per cp INT $18,400 per sem DUR 2 sems ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Certificate in Environmental Science</td>
<td>COURSE LG028 CRICOS 074172A</td>
<td>ACADEMIC REQ: As above. PROGRAM REQ: 4 units of study.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $490 per cp INT $18,400 per sem DUR 1 sem ENTRY March</td>
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<tr>
<td><strong>ENVIRONMENTAL SCIENCE AND LAW</strong>*</td>
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<tr>
<td>Master of Environmental Science and Law</td>
<td>COURSE LC040 CRICOS 040350B</td>
<td>ACADEMIC REQ: A bachelor’s degree in either science or law with a credit average; or bachelor’s degree with relevant work experience. PROGRAM REQ: 8 units of study – 4 each from Faculty of Science and Faculty of Law.</td>
<td>IELTS 7.0 (6.0) IBT 100 (23/22)</td>
<td>DOM $530 per cp INT $18,150 per sem DUR 2 sems ENTRY March or July</td>
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<tr>
<td><strong>MARINE SCIENCE AND MANAGEMENT</strong>*</td>
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<tr>
<td>Master of Marine Science and Management</td>
<td>COURSE LC063 CRICOS 074730J</td>
<td>ENTRY REQ: Bachelor’s degree with a credit average in science or engineering with a credit average, or equivalent qualification. PROGRAM REQ: 4 core units of study; 2 elective units from the University of Sydney; and 2 elective units taken from the other partner universities under the equivalent master program (University of NSW, University of Technology Sydney, Macquarie University) via cross institutional study.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $490 per cp INT $18,150 per sem DUR 2 sems ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Diploma in Marine Science and Management</td>
<td>COURSE LF051 CRICOS 074731G</td>
<td>ENTRY REQ: Bachelor’s degree in science or engineering or equivalent. PROGRAM REQ: 4 core units of study; 2 elective units.</td>
<td>IELTS 6.5 (6.0) IBT 90 (23/22)</td>
<td>DOM $490 per cp INT $18,150 per sem DUR 2 sems ENTRY March or July</td>
</tr>
<tr>
<td>Graduate Certificate in Marine Science and Management</td>
<td>COURSE LG035</td>
<td>ENTRY REQ: As above. PROGRAM REQ: 2 core units of study plus 2 elective units of study.</td>
<td>Not available to international students</td>
<td>DOM $490 per cp DUR 2 sems (part-time only) ENTRY March or July</td>
</tr>
</tbody>
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DOM: Domestic fees  INT: International fees  DUR: Duration of study  ENTRY: Starting semester

Full time study requires enrolment in 24 credit points of study per semester.

All fees stated in this booklet are in Australian dollars.

All fees stated in this booklet for both domestic and international applicants are subject to change.

All fees stated in this booklet do not include additional program costs such as text books or additional programs/equipment.

The University’s tuition fees are reviewed annually and may be varied during the period of study. The exact tuition fee for your program may also depend on the specific units of study in which you enrol.