Overview

The Bachelor of Environmental Management program contains a core sequence of compulsory courses, a choice of disciplinary Majors and choices from a group of Directed Electives. The Majors include Biology, Earth Science, Ecology, Environmental Chemistry, Geography and Marine and Coastal Science.

The aim of the program is to provide a strong education in the skills and knowledge necessary to work or carry out research as an environmental scientist. In addition to the graduate attributes applicable to 3970 Bachelor of Science, graduates of the B. Env. Mgmt. will need to be able to place their understanding of the scientific aspects of the environment within the general context of the policy and legal framework of environmental regulations, as well as economic and social dimensions to environmental policy and management. The B. Env. Mgmt. is designed as a 3 year (full-time) program. There is also an opportunity for students to continue onto an Honours year in Program 4500 Science (Honours), if they satisfy the entry requirements (usually a Credit WAM) or to combine the B. Env. Mgmt. with the Masters of Environmental Management (Program 8623).
<table>
<thead>
<tr>
<th><strong>Faculty</strong></th>
<th>Faculty of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Campus</strong></td>
<td>Kensington</td>
</tr>
<tr>
<td><strong>Study Level</strong></td>
<td>Undergraduate</td>
</tr>
<tr>
<td><strong>Typical duration</strong></td>
<td>3 Years</td>
</tr>
<tr>
<td><strong>Delivery Mode</strong></td>
<td>Face-to-face</td>
</tr>
<tr>
<td><strong>Intake Period</strong></td>
<td>Term 1, Term 3</td>
</tr>
<tr>
<td><strong>Academic Calendar</strong></td>
<td>3+ Calendar</td>
</tr>
<tr>
<td><strong>Minimum Units of Credit</strong></td>
<td>144</td>
</tr>
<tr>
<td><strong>Award type</strong></td>
<td>Bachelors Pass</td>
</tr>
<tr>
<td><strong>Award(s)</strong></td>
<td>Bachelor of Environmental Management - BEnvMgmt</td>
</tr>
<tr>
<td><strong>UAC Code</strong></td>
<td>429540</td>
</tr>
<tr>
<td><strong>CRICOS Code</strong></td>
<td>080468A</td>
</tr>
</tbody>
</table>
Learning Outcomes

1. Apply critical thinking and problem-solving skills to the study of the environment, to environmental management and to the solution of environmental problems.

2. Demonstrate depth of advanced knowledge in a specialisation of environmental science and management such as Biology, Earth Science, Ecology, Environmental Chemistry, Geography or Marine and Coastal Science.

3. Work professionally and ethically both as an independent scientist and within teams.

4. Use a range of quantitative methods and technologies relevant to environmental science and management and critically evaluate and systematically analyse data for the purpose of solving environmental problems.

5. Demonstrate broad knowledge of environmental science including interdisciplinary and cross-disciplinary competency across the physical and biological sciences and apply this to a wide variety of situations.

6. Review and cogently synthesize relevant literature, and write documents commonly used in environmental science and management.

7. Consider the impact of global diversity and international perspectives on the discipline and practice of environmental management.

Graduate Capabilities:

For more information on Graduate Capabilities, please click on this link.
Program Structure

Students must complete 144 UOC as a standalone program.

Students in the Environmental Management program are expected to complete 144 UOC of courses.

120 UOC Environmental Management courses:
- 60 UOC of core Environmental Management courses.
- One approved major
- Prescribed electives

A course can only count once as 6 UOC towards the 144 UOC: if a course is in both the compulsory course list and within an approved Major, then additional Prescribed Electives must be taken so that the compulsory courses, approved Major and Prescribed Electives totals 120 UOC.

12 UOC Free Electives. These courses can be taken from any Faculty of the University at any stage of your program.

12 UOC General Education courses. These courses cannot be Science courses. These courses can be taken from any Faculty of the University at any stage of your program.

Please click the Sample Programs link below to view a typical enrolment pattern for this program.

Specialisation Requirements

Students must complete at least one of the specialisations below.

MAJOR:

BIOSG1 | 78 UOC
Ecology

BIOSJ1 | 78 UOC
Biology

ENVST1 | 60 UOC
Environmental Chemistry
Level 1 Core Courses

Students must take 24 UOC of the following courses.

BIOS1301 | 6 UOC
Ecology, Sustainability and Environmental Science

ECON1107 | 6 UOC
Elements of Environmental Economics

GEOS1211 | 6 UOC
Earth and Environmental Science

GEOS1701 | 6 UOC
Environmental Systems, Processes and Issues

Level 2 Core Courses

Students must take 18 UOC of the following courses.

BEES2041 | 6 UOC
Data Analysis for Life and Earth Sciences

GEOS2821 | 6 UOC
Introduction to GIS and Remote Sensing

LAWS9801 | 6 UOC
Aspects of Environmental Policy and Law
**Level 3 Core Courses**

Students must take 18 UOC of the following courses.

BIOS6671  |  6 UOC  
Biodiversity and Conservation of Natural Resources

GEOS3911  |  6 UOC  
Environmental Impact Assessment

One of the following:

BIOS3061  |  6 UOC  
Plant Ecology

BIOS3161  |  6 UOC  
Life in Arid Lands

BIOS3601  |  6 UOC  
Advanced Field Biology

GEOS3761  |  6 UOC  
Environmental Change

**Free Electives**

Students must take 12 UOC of the following courses.

any course

**General Education**

Students must take 12 UOC of the following courses.

Any course defined as a Science course cannot be taken as General Education (GE). All other courses can be used to fulfil the GE requirement of this program, including GEN# coded courses. Any exceptions to these rules must be approved by the Associate Dean (Academic Programs) or nominee.

any General Education course
Course Information Rule

GEN# courses cannot count towards the free elective component, or towards science core courses or science electives in the program. Any exceptions to these rules must be approved by the Associate Dean (Academic Programs) or nominee.

Excluded General Education Courses

Students may not undertake any of the following excluded courses.

any Computer Science course

any Food Technology course

any course offered by School of Medical Sciences

any course offered by Faculty of Science

any General Education - Faculty of Science course

Prescribed Electives

Students complete up to 18 UOC of the following courses.

Please Note: Students who do not undertake the Geography Major may also use:
- GEOS2241 Peak Carbon: Climate Change and Energy Policy (6 UOC)
- GEOS2641 Urban Environments (6 UOC)
- GEOS3921 Coastal Resource Management (6 UOC)
towards their Prescribed Electives.

ARTS1240 | 6 UOC
Environment and Society

ARTS1241 | 6 UOC
Environmental Advocacy and Activism

ARTS2240 | 6 UOC
Environment, Sustainability and Development
Rethinking Wildlife: Philosophy, Biodiversity, Extinction

Environmental Justice

Environmental History

Managing People

Business Ethics and Sustainability

**Maximum Level 1 UOC**

A maximum of 72 UOC of Level 1 courses can be taken throughout the entire program, including any General Education or mainstream Level 1 course taken to fulfil either the General Education or the Free Elective requirement.

any level 1 course

**Level 2 Maturity Requirement**

Students must have completed 24 UOC before taking any of the following courses.

any level 2 course

**Double Counting**

Students can only count a course once as 6 UOC towards the 120 UOC: if a course is in both the compulsory course list and within an approved Major, then additional Prescribed Electives must be taken so that the compulsory courses, approved Major and Prescribed Electives totals 120 UOC.

**Major Declaration**

The approved Major must be declared before enrolling in level II courses. (Students
do not need to declare a Major in their first year as they are encouraged to try a variety of level 1 Science courses to enable them to select an appropriate Major before commencing level II courses).

It is not possible to complete a 'double major' in this Program: if you wish to attempt more than one Major you should consider Program 3970.

**Recommended Courses**

The following courses are not required, but are recommended as good complementary courses when students are selecting electives.

**Level 1:**
- BIOS1101 Evolutionary & Functional Biology
- CHEM1011 Chemistry A or CHEM1031 Higher Chemistry A
- CHEM1021 Chemistry B or CHEM1041 Higher Chemistry B

**Level 2:**
- BIOS2011 Evolutionary and Physiological Ecology
- GEOS2291 Earth's Interconnections

**Sample Programs**

To access sample program(s), please visit:

[Sample Science Programs](#)

**Enrolment Disclaimer**

Unless advised otherwise by your program authority, you should follow the rules for the handbook for the year you commenced your program. You are also responsible for ensuring you enrol in courses according to your program requirements. myUNSW enrolment checks that you have met enrolment requirements such as pre-requisites for individual courses but not that a course will count towards your program requirements.
Related Programs

Related Double Degree Programs

Bachelor of Environmental Management - BEnvMgmt
Bachelor of Arts - BA

3955 Environmental Management / Arts

Faculty: Faculty of Science, Faculty of Arts and Social Sciences
Campus: Kensington
Units of Credit: 216
Typical Duration: 4.7 Years

Read More
Program Requirements

Recognition of Prior Learning

UNSW Students may be granted Recognition for Prior Learning (RPL) which may or may not reduce the amount of learning required to achieve a degree at UNSW. Generally, RPL is only granted based on the completion of tertiary-level studies, but in exceptional circumstances may also include non-formal or informal learning such as professional experience. RPL will not be granted based on partly completed tertiary courses. All applications for RPL at UNSW are subject to UNSW Recognition of Prior Learning (Coursework Programs) Policy and Procedures. Students seeking credit for courses completed at another university are required to submit documentary evidence (course outlines, academic transcripts) to support their application, and to nominate the course(s) for which they seek credit. In addition, the following conditions apply for all UNSW Science programs (including the Science component of dual award programs): Specified course credit, i.e. credit granted for an exact or near exact equivalence to a course at UNSW, will not be granted when more than 7 years has elapsed from the successful completion of the course (or other learning) and the student’s commencement in the Science program. Where this time period is shorter it will be stipulated in the individual rules for the relevant program. Unspecified course credit (e.g. General Education or free electives) will not be granted when more than 10 years has elapsed from the successful completion of the course (or other learning) and the student’s commencement in the Science program. Students may only receive credit of up to a maximum of 50% of the coursework component of their Science program, excluding Honours. For most undergraduate programs this will be 72 UOC. For dual award programs that include a Science component, it will be a maximum of 50% of the Science component of the dual degree, excluding Honours. Credit for the other program will be assessed by the Faculty that administers that program. Applications for RPL will only be assessed for students who have accepted a place to study in a UNSW Science program. Students must formally apply for RPL unless they become a UNSW student as part of a formal Articulation Agreement. Applications for RPL should be made as early as possible in the student’s program. Students who are readmitted into a Science program after a period of unapproved absence or deferment, or after exclusion, will not necessarily retain credit for all units completed at UNSW prior to the absence if the date of completion of the units of study is greater than the 7 and 10-year rules outlined in points 1 and 2 above. In these cases, the credit retained will be decided by the Associate Dean (Academic Programs) in consultation (when necessary) with the Program and/or Course Authority.
Progression Requirements

Progression rules are in accordance with university policy.

For more information on university policy on progression requirements please visit Academic Progression.
Pathways

Honours Programs

Bachelor of Science (Honours) - **BSc(Hons)**
**4500 Science (Honours)**
Faculty: Faculty of Science
Campus: Kensington
Units of Credit: 48
Typical Duration: 1 Years

Read More

Post Graduate

Graduate Diploma - **GradDip**
**5499 Environmental Management**
Faculty: Faculty of Arts and Social Sciences
Campus: Kensington
Units of Credit: 48
Typical Duration: 1 Years

Read More

Graduate Certificate - **GradCert**
**7339 Environmental Management**
Faculty: Faculty of Arts and Social Sciences
Campus: Kensington
Units of Credit: 24
Typical Duration: 0.7 Years

Read More

Master of Environmental Management - **MEM**
**8623 Environmental Management**
Faculty: Faculty of Arts and Social Sciences
Campus: Kensington
Units of Credit: 96
Typical Duration: 2 Years

Read More
Professional Outcomes

Career Opportunities

Environmental officer working for national parks and wildlife services, or Environmental Protection Authority; environmental consultant, biologist, or chemist; environmental policy developer; environmental researcher with CSIRO, universities, industry.
Recognition of Achievement

University Medal

The University Medal is awarded to recognise outstanding academic performance by a bachelor degree student in line with the University Medal Policy and University Medal Procedure.

Award of Pass with Distinction

The Award of Pass with Distinction is awarded when a weighted average mark (WAM) of at least 75% has been achieved and at least 50% of the requirements of the award completed at UNSW. All eligible programs will award Pass with Distinction except in special circumstances where approval of Academic Board has been given for a program to opt out.

For more information, please visit:

Current Students Pass With Distinction
**Additional Information**

**Definition of 'Science' courses**

Table 1

**Faculty of Science Rules**

The Faculty of Science has some rules that relate to all students enrolled in programs offered by the Faculty in relation to recognition for prior learning, general education, course exclusions, study load, and cross-institutional study. All students should read the information contained on the Faculty General Rules and Requirements page.

**Science Handbook Rules and Editions**

Students must follow the program rules and requirements in the UNSW Handbook published in the year they commence their studies with the Faculty of Science.

Students who transfer from another UNSW Faculty into Science (for example, from a Bachelor of Arts into a Bachelor of Science) must follow the program rules and requirements in the UNSW Handbook published in the year of their transfer.

Students, who are readmitted to UNSW after a period of unapproved absence or deferment, or after exclusion, must satisfy the program rules in the Handbook published in the year of their readmission. In addition, these students may be subject to restrictions on which courses taken at UNSW may be counted on their return. In some cases, students returning from an unapproved absence may be required to repeat courses. See the Recognition of Prior Learning (RPL) and Advanced Standing section below for more details. Students who take approved leave or deferment will follow the Handbook for the year of their original commencement unless otherwise approved by the Associate Dean (Academic Programs).
Program Fees

At UNSW fees are generally charged at course level and therefore dependent upon individual enrolment and other factors such as student's residency status. For generic information on fees and additional expenses of UNSW programs, click on one of the following:

- Domestic Students
- Commonwealth Supported Students
- International Students

Additional Expenses

This is identical to the previous Program 3988.
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions