

Bachelor of Environmental Science (791AA.4)

Please note these are the 2017 details for this course

Domestic students

Selection rank

60

Note:

The selection rank is the minimum ATAR plus adjustment factors required for admission to the program in the previous year. This is an indicative guide only as ranks change each year depending on demand.

English language requirements

An IELTS Academic score of 6.0 overall, with no band score below 6.0 (or equivalent).

[View IELTS equivalences](#)

Duration

3.0 years

UAC code

Faculty

Faculty of Science and Technology

Discipline

Academic Program Area - Science

Location

Fees

Per Unit

Per Annum

Full Course

International students

Academic entry requirements

To study at UC, you'll need to meet our academic entry requirements and any admission requirements

specific to your course. Please read your course admission requirements below. To find out whether you meet UC's academic entry requirements, visit our [academic entry requirements page](#).

[View UC's academic entry requirements](#)

English language requirements An IELTS Academic score of 6.0 overall, with no band score below 6.0 (or equivalent).

[View IELTS equivalences](#)

CRICOS code 054171A

Faculty Faculty of Science and Technology

Discipline Academic Program Area - Science

Location

Duration 3.0 years

Fees 

Per Unit

Per Annum

Full Course

About this course

Make your love of the environment official

Do you have a passion for wildlife and conservation? Want to work outdoors? Study environmental science at UC and play an active part in caring for the environment into the future.

Study our Bachelor of Environmental Science at UC and you will:

- join one of the most well-respected programs in the country
- explore both international and Australian environmental issues
- gain knowledge in applied research and teaching to become work ready for a professional setting
- Choose from a wide variety of subjects according to your interests including: applied ecology, ecological conservation, vegetation and wildlife management, reserve management, coastal marine science, biometry and data analysis, conservation biology and genetics, geographic information systems, earth science, water science, environmental assessment, environmental chemistry, sustainability, land care and land management.

Work Integrated Learning

Our Environmental Science program is closely integrated with the [Institute for Applied Ecology](#) – one of our many research centres. This gives you the advantage of research and training opportunities on campus in a leading research facility.

Career opportunities

- Natural resource manager
- Environmental policy maker
- Environmental rehabilitation officer
- Catchment management officer
- Geographic information system (GIS) and data management officer
- Water scientist
- Wildlife ecologist
- Environmental research scientist

Course specific information

- Through further study (Masters and PhD) you can go on to qualify as a research scientist in your chosen field.

Admission requirements

Applicants must meet the normal University requirements for admission to an undergraduate course.

Assumed knowledge

ACT: Biology and/or Chemistry major(s) plus Mathematical Methods Major. NSW: Biology and/or Chemistry plus Mathematics.

Periods course is open for new admissions

This course is not open for new admissions.

Credit arrangements

There are currently no formal credit transfer arrangements for entry to this course. Any previous study or work experience will only be considered as part of the application process in accordance with current [course rules and university policy](#). Credit is not permitted towards completion of a graduate certificate.

Course requirements

Bachelor of Environmental Science (791AA) | 72 credit points

Required - Must pass 21 credit points as follows

[Expand All](#) | [Collapse All](#)

[Concepts in Biology \(483\)](#) | 3 credit points – Level 1

Mathematical Methods (577) | 3 credit points – Level 1

Plants and Animals (623) | 3 credit points – Level 1

Chemistry 1a (1516) | 3 credit points – Level 1

Data Analysis in Science (1809) | 3 credit points – Level 1

Communication in Science (4732) | 3 credit points – Level 1

Earth System Science (8101) | 3 credit points – Level 1

Restricted Choice - 33 credit points as follows

Part A - Must pass 3 credit points from the following

Professional Practice in Applied Science (8783) | 3 credit points – Level 3

Research Project in Applied Science (9632) | 3 credit points – Level 3

Introductory Physics (10000) | 3 credit points – Level 1

Science and Innovation (10107) | 3 credit points – Level 3

Part B - Must select 1 of the following

Major in Applied Ecology (MJ0008) | 18 credit points

Restricted Choice - Must pass 18 credit points from the following

Concepts in Biology (483) | 3 credit points – Level 1

Data Analysis in Science (1809) | 3 credit points – Level 1

Note:

- 10235 Tackling Environmental Challenges replaces 6916 Ecology and Biodiversity from 2017. Students who have previously completed 6916 may still count it towards course completion

Major in Integrated Environmental Management (MJ0060) | 18 credit points

Required - Must pass 18 credit points as follows

Concepts in Biology (483) | 3 credit points – Level 1

Plants and Animals (623) | 3 credit points – Level 1

Note:

- 10235 Tackling Environmental Challenges replaces 6916 Ecology and Biodiversity from 2017. Students who have previously completed 6916 may still count it towards course completion.

Major in Water Science (MJ0124) | 18 credit points

Required - Must pass 15 credit points as follows

Chemistry 1a (1516) | 3 credit points – Level 1

Data Analysis in Science (1809) | 3 credit points – Level 1

Ecochemistry (6915) | 3 credit points – Level 2

Note:

- 10226 Freshwater Biology replaces 6912 Australian Waterways from 2017. Students who have previously completed 6912 may still count it towards course completion

Restricted Choice - Must pass 3 credit points from the following

Resource Science Project (6921) | 3 credit points – Level 3

Research Project in Applied Science (9632) | 3 credit points – Level 3

Major in Environmental Chemistry (MJ0179) | 18 credit points

Required - Must pass 15 credit points from the following

Chemistry 1a (1516) | 3 credit points – Level 1

Chemistry 1b (1517) | 3 credit points – Level 1

Regional Anatomy and Physiology (6534) | 3 credit points – Level 2

Ecochemistry (6915) | 3 credit points – Level 2

Analytical Chemistry (8043) | 3 credit points – Level 2

Environmental and Forensic Geochemistry (10002) | 3 credit points – Level 3

Restricted Choice - 3 credit points as follows

Applied Geochemistry (8100) | 3 credit points – Level 3

Introduction to Pharmacology and Toxicology (8342) | 3 credit points – Level 3

Research Project in Applied Science (9632) | 3 credit points – Level 3

Major in Earth Science (MJ0193) | 18 credit points

Required - Must pass 9 credit points as follows

Chemistry 1a (1516) | 3 credit points – Level 1

Restricted Choice - 9 credit points as follows

Part A - Must pass 6 credit points from the following

Ecochemistry (6915) | 3 credit points – Level 2

Applied Geochemistry (8100) | 3 credit points – Level 3

Environmental Forensic Science (8248) | 3 credit points – Level 3

Note:

- 10226 Freshwater Biology replaces 6912 Australian Waterways from 2017. Students who have previously completed 6912 may still count it towards course completion.

Part B - Must pass 3 credit points from the following

Earth System Science (8101) | 3 credit points – Level 1

Part C - Must select 1 of the following

Minor in Environmental Management (MN0037) | 12 credit points

Restricted Choice - 6 credit points as follows

Part A - Must pass 3 credit points from the following

Indigenous Societies and Heritage (8158) | 3 credit points – Level 3

Indigenous Heritage and Landscapes (9634) | 3 credit points – Level 3

Part B - Must pass 3 credit points from the following

Communication in Science (4732) | 3 credit points – Level 1

Sustainable Communities (6875) | 3 credit points – Level 2

Quantitative Skills for Sustainability (8784) | 3 credit points – Level 1

Required - Must pass 6 credit points as follows

Minor in Ecology (MN0028) | 12 credit points

Required - Must pass 12 credit points as follows

Concepts in Biology (483) | 3 credit points – Level 1

Plants and Animals (623) | 3 credit points – Level 1

Note:

- 10235 Tackling Environmental Challenges replaces 6916 Ecology and Biodiversity from 2017. Students who have previously completed 6916 may still count it towards course completion.

Minor in Earth Science (MN0136) | 12 credit points

Required - Must pass 3 credit points as follows

Earth System Science (8101) | 3 credit points – Level 1

Restricted Choice - Must pass 9 credit points from the following

Chemistry 1a (1516) | 3 credit points – Level 1

Applied Geochemistry (8100) | 3 credit points – Level 3

Environmental and Forensic Geochemistry (10002) | 3 credit points – Level 3

Minor in Catchment Science (MN0135) | 12 credit points

Required - Must pass 12 credit points as follows

Data Analysis in Science (1809) | 3 credit points – Level 1

Earth System Science (8101) | 3 credit points – Level 1

Open Electives - 18 credit points as follows

- In choosing electives students should note that no more than 30 credit points at Level 1 is permitted for the entire course.

Note:

- Must pass 18 credit points from any part of the University as a major, minor and/or as individual units.

In addition to course requirements, in order to successfully complete your course you must meet the inherent requirements. Please refer to the [inherent requirements statement](#) applicable to your course

Typical study pattern

UC - Canberra, Bruce

Standard Full Time, Semester 1 Commencing

Year 1

Semester 1

Chemistry 1a (1516)

Communication in Science (4732)

Concepts in Biology (483)

Mathematical Methods (577)

Semester 2

Open Elective Unit

Data Analysis in Science (1809)

Earth System Science (8101)

Plants and Animals (623)

Year 2

Semester 1

Environmental Science Minor Unit

Two Environmental Science Major Units

Open Elective Unit

Semester 2

Open Elective Unit

Two Environmental Science Major Units

Environmental Science Minor Unit

Year 3

Semester 1

Two Open Elective Units

Environmental Science Minor Unit

Environmental Science Major Unit

Semester 2

Environmental Science Minor Unit

Environmental Science Major Unit

Open Elective Unit

Course information

Course duration

Standard six semesters full-time or equivalent. Maximum twenty semesters.

Learning outcomes

Learning outcomes	Related graduate attributes
Understand professional and environmental ethics	Be able to explain the role and relevance of science in society. AQF: Application of Knowledge and Skills
Development of skills suitable for a wide range of careers in industry, government, private consulting firms, non-profit organisations, and educational institutions	Demonstrate knowledge of regulatory frameworks relevant to their disciplinary area. AQF: Knowledge
Understand the natural environment and its relationships with human activities	Be able to communicate scientific results, information, or arguments to a range of audiences. AQF: Knowledge and Skills
Acquire practical skills for scientific problem-solving, including familiarity with laboratory and field instrumentation, computer applications, statistical and modeling techniques	Ability to think critically in reading and analysing environmental information in both mass media and research journal articles. AQF: Skills and Application of Knowledge and Skills
Understand interactions among plant, animal, and abiotic features of ecosystems	Work effectively, responsibly, and safely in an individual or team context. AQF: Application of Knowledge and Skills
Design and evaluate strategies, technologies, and methods for sustainable management of environmental systems	Ability to design, plan, execute, and report on a scientific investigation. AQF: Skills and Application of Knowledge and Skills
Understand the expected consequences of implementing a research, design, or management plan and be able to explain them	Be independent and self-directed learners. AQF: Application of Knowledge and Skills

Majors

- [Major in Integrated Environmental Management \(MJ0060\)](#)
- [Minor in Earth Science \(MN0136\)](#)
- [Major in Water Science \(MJ0124\)](#)
- [Major in Environmental Chemistry \(MJ0179\)](#)
- [Minor in Ecology \(MN0028\)](#)
- [Major in Applied Ecology \(MJ0008\)](#)
- [Major in Earth Science \(MJ0193\)](#)
- [Minor in Environmental Management \(MN0037\)](#)
- [Minor in Catchment Science \(MN0135\)](#)

Awards

Award	Official abbreviation
Bachelor of Environmental Science	B EnvSc

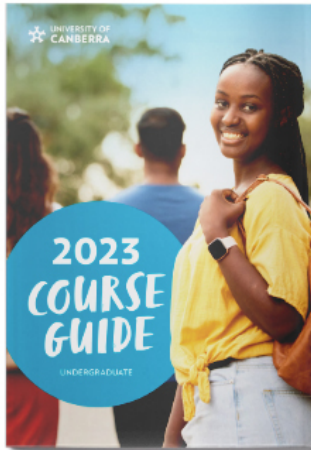
Honours

None.

Enquiries

Student category	Contact details
Prospective International Students	Email international@canberra.edu.au or Phone +61 2 6201 5342
Prospective Domestic Students	Email study@canberra.edu.au or Phone 1800 UNI CAN (1800 864 226)
Current and Commencing Students	Please contact the University Student Centre by Email student.centre@canberra.edu.au or Phone 1300 301 727

[Download your course guide](#)



Scholarships

Find the scholarship that's the right fit for you

[Explore Scholarships](#)

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UC acknowledges the Ngunnawal people, traditional custodians of the lands where Bruce campus is situated. We wish to acknowledge and respect their continuing culture and the contribution they make to the life of Canberra and the region. We also acknowledge all other First Nations Peoples on whose lands we gather.