



Undergraduate and Postgraduate Science, Environmental Science and Management Course Guide



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Acknowledgement of Country

Charles Darwin University acknowledges and pays respect to the Elders both past and present of all First Nations people upon whose lands CDU campuses and centres are located.



Fit learning around your lifestyle

Study your way with a leader in online learning

At CDU, you can fit your learning around your lifestyle. Choose to study online from anywhere in Australia, part-time or full-time, and complete your placements close to home.

How online study works



Whether you study online or on campus, you will have access to our online learning platform, Learnline.



Take part in interactive lectures and group discussions live, or download recordings and resources to access later.



You'll have 24/7 access to your own study-specific tutoring service and round-the-clock technical support via email.



Access your laptop, desktop or mobile device and upload assignments from anywhere.



Meet other students and have lots of opportunities to make friends.



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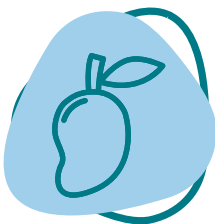
“I chose CDU because it has an excellent science course, with lots of opportunities for practical experience in the field. I love the small classes, community feel and the interaction with lecturers that you don’t get at larger universities.”

Brittany, Bachelor of Science

Study Science, Environmental Science and Management at CDU

Explore biology, environmental science, spatial science, chemistry or biochemistry with an environmental science or science degree from CDU and you could take part in exciting in-field intensives and get hands-on practical and laboratory experience.

Study with a university recognised across the globe for its environmental research and specialise in biodiversity and conservation, water and catchments, eco-cultural resource management, or landscape and spatial ecology with an undergraduate environmental science degree.



Join a #3 Australian university for agriculture and environmental studies starting salary.[^]



Choose to study online, on campus, part-time or full-time.





Study in state-of-the-art laboratories and access the Top End's perfect outdoor classroom. We're uniquely positioned to explore the impact Indigenous knowledge systems have on land and resource management.


Find your course online for the latest admission requirements and course details: cdu.edu.au/study/science-environment

[^]Good Universities Guide 2025

Bachelor of Environmental Science

 **LOCATION** – Casuarina, Online

 **DURATION** – 3 years full-time, 6 years part-time

 **DOMESTIC INTAKE** – Semester 1, Semester 2, Summer Semester

With the Bachelor of Environmental Science, your academic studies will combine with practical experience, allowing you to play an active role in environmental protection and conservation.


Foundation knowledge, including biology, ecology and spatial analysis, will be the base from which you learn to solve complex environmental problems.


You will explore human impacts, social and cultural perspectives, identify solutions to environmental challenges and learn how to effectively communicate information for positive environmental outcomes. Training in critical and systems thinking will empower you to tackle the environmental challenges of our time.


CAREER OPPORTUNITIES

Graduating from this course prepares you with the skills and knowledge to work within the government sector, private companies or community organisations in areas including environment and heritage, biodiversity conservation, land and water resource management, mine site rehabilitation, nature-based tourism, First Nations land management, wildlife and reserve management, landcare, teaching, consultancy or environmental research.

Bachelor of Science

 **LOCATION** – Casuarina, Online

 **DURATION** – 3 years full-time, 6 years part-time

 **DOMESTIC INTAKE** – Semester 1, Semester 2, Summer Semester

The Bachelor of Science will allow you to explore your curiosity and passion for knowledge within your chosen scientific field.

Your study options are flexible and diverse with a focus on professional experience in various sciences including biology, ecology, spatial science, chemistry, or in other science fields.

You will combine academic studies with practical learning in distinctive environments and communities of northern Australia, and their associated challenges in environmental management. You will strengthen your problem-solving, logical and critical thinking skills, apply an understanding of scientific and technological factors, and consider issues from various cultural, economic and other societal perspectives throughout your studies helping you to approach tasks informed and confident.


You will be able to demonstrate and apply an understanding of your chosen areas of science, including concepts, theories and principles to practise in real situations.


CAREER OPPORTUNITIES

Graduating from this course can lead you to career opportunities in the industry, government, private companies, non-government organisations (NGO) and the community sector as a biologist, ecologist, spatial scientist, chemist, consultant, laboratory assistant, project manager or advisor.

Diploma of Science

 **LOCATION** – Casuarina, Online

 **DURATION** – 1 year full-time, 2 years part-time

 **DOMESTIC INTAKE** – Semester 1, Semester 2, Summer Semester

The Diploma of Science is ideal if you are curious about studying science and would like to learn more but are unsure about committing to a degree, or if you already have a career in the sciences and want to upskill with another qualification and skills in another discipline.


You will explore a variety of science concepts, theories and principles in different fields, such as general science, biology, chemistry, environmental science, geographic information science, physics and mathematics until you find the one that resonates with you.


As you progress through your Diploma of Science, you will develop your knowledge of logical and critical thinking and problem-solving from a scientific and technological perspective.

After completing your diploma, you have the option to move into our Bachelor of Science or Bachelor of Environmental Science courses.

Whether you are in the science field, looking to move into science, or perhaps you are a teacher or engineer wanting to learn about a specific science discipline, this flexible diploma will help you find what you are looking for.

Bachelor of Science Honours

 **LOCATION** – Casuarina, Alice Springs, Online

 **DURATION** – 1 year full-time, 2 years part-time

 **DOMESTIC INTAKE** – Semester 1, Semester 2

This one-year honours course includes a major research project, advanced-level coursework and research skills training in a number of science disciplines, including;

- > Environmental science
- > Health and clinical science
- > Information technology.

Key areas you could base your research on include;

- > Biology
- > Ecology
- > Hydrological science
- > Spatial science
- > Analytical chemistry and molecular modelling
- > Exercise and sports science
- > Medical laboratory science
- > Pharmacy
- > Information systems
- > Mobile networking and software development.

Honours qualifications prepare you for professional positions requiring higher-level project management and effective written and oral communication, analysis, problem-solving and research skills.


You are encouraged to pursue in-depth research under the guidance of experienced researchers and through targeted coursework and generic research skills training.


Honours qualifications are also a pathway to further study in Master's or PhD programs.

CAREER OPPORTUNITIES

Graduating from this course can lead to career opportunities in the industry, government, private or community sector as a biologist, ecologist, spatial scientist, biomedical scientist, chemist, consultant, laboratory assistant, academic, project manager or advisor.

Graduate Certificate of Environmental Management

 **LOCATION** – Casuarina, Online

 **DURATION** – 6 months full-time, 1 year part-time

 **DOMESTIC INTAKE** – Semester 1, Semester 2

Environmental science and environmental management at Charles Darwin University are research-intensive, dynamic disciplines within some of Australia's most spectacular and fascinating natural and cultural environments.

The Graduate Certificate of Environmental Management provides postgraduate education for existing and future professionals on environmental management's background, principles and practices, particularly in the context of wet-dry and semi-arid tropical ecosystems and arid landscapes.

The generic skills, concepts and applications covered in this course are also highly relevant to those working in other ecosystems. The course also focuses on the social context within which environmental management takes place. Unit selection allows you to focus on ecology, policy, livelihoods and spatial science and their application.


This single-semester course enables you to select specific units that address your interests and career directions while also giving you the option to smoothly articulate, with full credit, into the Graduate Diploma or Master of Environmental Management. There are opportunities for intensive units with remote field locations, and sometimes international study opportunities are available.

CAREER OPPORTUNITIES

Graduates of this program are equipped to work within the diverse range of disciplines and sectors involved in effective and sustainable ecosystem management and are eligible to apply for membership in associations such as the Ecological Society of Australia (ESA) and the Environmental Institute of Australia and New Zealand (EIANZ).

Graduate Certificate of Spatial Science

 **LOCATION** – Casuarina, Online

 **DURATION** – 6 months full-time, 1 year part-time

 **DOMESTIC INTAKE** – Semester 1

The Graduate Certificate of Spatial Science complements current science qualifications and will further develop your professional skill set. This course is designed for professionals across a wide range of vocations seeking to gain expertise in spatial science at a postgraduate level.

This standalone course belongs to a pathway between Graduate Certificate, Graduate Diploma and Master of Environmental Management.


You are not expected to have previous experience in the spatial science field. However, if you do have some background, the placement unit allows the inclusion of project work in the unit selection.


CAREER OPPORTUNITIES

Graduating from this course may lead to career opportunities in government, private companies and non-government organisations (NGO) as geospatial information scientist technicians, remote sensing analysts, spatial ecologists, project managers and geospatial modellers.

Graduate Diploma of Environmental Management

 **LOCATION** – Casuarina, Online

 **DURATION** – 1 year full-time, 2 years part-time

 **DOMESTIC INTAKE** – Semester 1, Semester 2

Environmental science and environmental management at Charles Darwin University are research-intensive, dynamic disciplines situated within some of the most spectacular and fascinating natural and cultural environments in Australia.

The Graduate Diploma of Environmental Management provides postgraduate education for existing and future professionals on environmental management's background, principles and practices, particularly in the context of wet-dry and semi-arid tropical ecosystems and arid landscapes. The generic skills concepts and applications this course covers are also highly relevant to those working in other ecosystems.

The course also focuses on the social context within which environmental management occurs. This two-semester course enables you to select specific units that address your interests and career directions, while also giving you the option to smoothly articulate, with full credit, into the Master of Environmental Management.

Unit selection allows you to focus on ecology, policy, livelihoods and spatial science and their application.


There are opportunities for intensive units with remote field locations, and there are sometimes international study opportunities available. Graduates of this program are equipped to work within the diverse range of disciplines and sectors involved in effective and sustainable ecosystem management and are eligible to apply for membership with associations such as the Ecological Society of Australia (ESA) and the Environmental Institute of Australia and New Zealand (EIANZ).


CAREER OPPORTUNITIES

Depending on unit choices, this course can either provide a skills update and refresh for established environmental professionals, or the opportunity for new graduates to fill identified skills gaps on the path to becoming ready for employment.

Master of Applied Spatial Science

 **LOCATION** – Casuarina, Online

 **DURATION** – 2 years full-time, 4 years part-time

 **DOMESTIC INTAKE** – Semester 1, Semester 2

The Master of Applied Spatial Science will provide the skills to apply spatial science technologies and analysis techniques to solve real-world problems across various fields and vocations. This in-depth program is delivered both online and on-campus from Darwin, Australia's gateway to Indonesia and South-East Asia. The course carries a strong focus on the application of open-source spatial science technologies, developing professional contacts through work placement, and field skills including operating research-grade global positioning system units, spectroradiometers, terrestrial LiDAR systems, and UAVs.

You will apply the latest spatial science tools and techniques to data relevant to multiple sectors including environmental science, precision agriculture, disaster and emergency management, and health.

This course will teach you important transferable employability skills, including collaboration, preparing a resume and addressing selection criteria, clear scientific writing, report writing, and preparing and delivering oral presentations. The Graduate Certificate of Spatial Science is nested within the Master's degree course as an entry and exit pathway to this program.

CAREER OPPORTUNITIES


Employer demand for graduates with the knowledge and skills to work with spatial data on top of an existing non-spatial science background in fields such as IT, environmental science and agricultural science, is consistently high.


This qualification prepares you for roles that require the integration of spatial science into your current profession. This course provides a pathway for professionals with a background in disciplines such as environmental science, disaster and emergency management, information technology, project management, Indigenous knowledge, or a field with substantial quantitative competencies seeking to start or progress their professional and research careers in the area of geospatial science.

Geospatial science careers can be flexible while offering great opportunities including high remuneration and working overseas. Geospatial science graduates are in high demand both nationally and internationally to work in governments, industry and research taking on a wide range of roles including remote sensing specialist, geographic information system (GIS) analyst/technician, environmental consultant, park manager, natural resource officer, precision farming technician, data analyst, earth observation analyst/scientist, and environmental scientist

Master of Environmental Management

 **LOCATION** – Casuarina, Online

 **DURATION** – 2 years full-time, 4 years part-time

 **DOMESTIC INTAKE** – Semester 1, Semester 2

Environmental science and environmental management at Charles Darwin University are research-intensive, dynamic disciplines situated within some of the most spectacular and fascinating natural and cultural environments in Australia.

The Master of Environmental Management provides postgraduate education for existing and future professionals on the context, principles and practices for environmental management, particularly in the wet-dry and semi-arid tropical ecosystems and arid landscapes. The skills, concepts and applications covered in this course are also highly transferable to other ecosystems.

Core units focus on the social context within which environmental management takes place. The flexibility of specialist electives means you can undertake the course fully online or on campus, or a combination of both, depending on unit selection. Small class sizes give all students ready access to staff via collegial online or face-to-face interactions.

The course covers the knowledge and technical skills for natural resource management within its social context and is responsive to the changing needs of employers and other stakeholders, incorporating the latest outcomes of regional research.

CAREER OPPORTUNITIES

Graduating from this course may lead to a career in areas of research or environmental and natural resources management within regional agencies and departments, environmental non-government organisations (NGO), Indigenous natural resources management organisations, consultancy firms and the resources sector. Some graduates continue into a PhD program.

PROFESSIONAL RECOGNITION

Graduates may seek professional membership with associations such as the Australian Rangeland Society, the Ecological Society of Australia and the Environment Institute of Australia and New Zealand.

A woman with dark curly hair and a man with short dark hair are sitting at a wooden table in a cafe or study area. The woman is wearing a black and white patterned top and is smiling while looking at the man. The man is wearing a light-colored button-down shirt and is also smiling, looking back at the woman. They appear to be in a friendly conversation. In the background, there are wooden-framed glass doors or windows.

A place for you at CDU

Undergraduate

Entry requirements that recognise your achievements

Each university course has its own entry requirements – if you've achieved the required ATAR and meet the criteria you can apply directly into the course of your choice.

But perhaps you didn't ace Year 12, decided to start your career with a trade, parked your first degree to go travelling, or already have great professional experience in your industry.

We welcome and celebrate unique paths like these, which is why we offer a range of non-traditional, flexible entry requirements.

Postgraduate

Ready for the next step in your studies?

Postgraduate courses range from graduate certificates through to doctorates and can help you take the next step in your career. In most cases, you will need to have completed an undergraduate degree to apply for a postgraduate course. In some cases, consideration can be given to non-graduates who have relevant professional experience. For some courses, other criteria such as an interview, curriculum vitae (CV), audition or portfolio submission apply. Check the admissions requirements for your chosen course at cdu.edu.au/study

Inherent requirements

Many professions require practical, physical, cognitive, literacy, numeracy and certain personal capabilities, such as ethical behaviour, communication skills and legal reporting compliance.

Find out more at: cdu.edu.au/inherent-requirements

How to apply

1. Visit cdu.edu.au

Explore course information, entry requirements and selection processes for your preferred courses.

2. Select your preferences

Register with [SATAC](https://satac.edu.au) and select up to six preferences. Make sure you select your dream degree as your first preference and check the key dates for applications. Late applications may still go through but the application fee may be higher.

3. Apply

Follow instructions from SATAC to complete and submit your application. SATAC may contact you for further information.

4. Accept your offer and enrol

If you are successful you will receive an offer to study at CDU. This will arrive by email from SATAC. Offer rounds will be made from December, with the majority of offers being sent in January for Semester 1 intake. CDU will then email you information on how to accept and enrol.



TIP

After you've enrolled with CDU take the time to apply for available scholarships: cdu.edu.au/scholarships

Returning to study with us?

If you've previously completed a TAFE Certificate III or higher, the Tertiary Enabling Program or an undergraduate degree at CDU, you may be able to apply for your next course directly through CDU rather than via SATAC.

MyNextCourse is an easy, online portal that allows you to apply faster, avoid application fees and receive your offer sooner.

Visit mynextcourse.cdu.edu.au



Be supported

We are a university that will empower and support you. Whether you study online or on campus, you'll be connected to a network of support services to help keep you focused, motivated and on-track with your studies.

Free academic skills programs

Language and learning support is free and confidential, assisting you with skills development tailored to your specific unit. Language and learning advisors work with you to help you understand assignment requirements and improve communication and study skills for your discipline.

You will be paired with a dedicated peer advisor to help you navigate your studies. They will check in with you every other week. This ongoing support ensures that you're progressing well in your studies and academic life. Peer advisors also run collaborative sessions focusing on preparing you for assignments and exams.

Online study buddies

Enjoy seamless, interactive collaboration with your peers, tutors and lecturers on Learnline. Jump into forums, join discussion boards and chat online with your fellow students – any time of the day or night, across Australia and beyond.

Free career advice

The Careers and Employment team offers expert advice and online tools to help you find a job, understand your work style, build your CV, practice job interviews and more.

Log on to the library

Online and on-campus students have 24/7 access to library resources. Knowledgeable and friendly library staff are ready to help over the phone, via email or face-to-face on most campuses.

Staying well

CDU offers a range of resources to help improve your wellbeing including confidential counselling and wellbeing services.

Equal access

The Access and Inclusion team is on hand to provide free and confidential services and support for students with a disability and/or health conditions. This may include providing adjustments to your study conditions, course materials or assessments or the provision of supportive resources like assistive technology.

Scholarships and financial help

CDU offers scholarships to help you complete your studies. Scholarships are available across a range of categories – not just for high achievers. Get assistance with fees, budgeting and grants to help with your financial health and wellbeing.

Student Central

Student Central is your one-stop spot for support and guidance. You can phone, email or visit them on campus for advice on admissions, timetabling, enrolling, exams, course fees and payments, study plans, scholarships and more.

Respect. Now. Always.

At CDU we believe in diversity as a strength and welcome differences in culture, race, religion, gender identity, ability, and sexuality. We are proud of the diversity of the CDU community, and we are working together to create a fair, safe, and inclusive university where everyone can thrive.

CDU is a part of the Universities Australia, Respect. Now. Always. initiative. We are committed to ensuring our students and staff are safe from gender-based violence, sexual assault or harassment.



Why Choose CDU?

Join students from all across Australia who choose CDU to empower and support them to launch or progress their career.



A leading university for graduate employment outcomes¹

Graduate job-ready – with a salary to match. CDU graduates earn 5% more and are 6% more likely to land a full-time job than the average university student.²



Study your way

CDU is a specialist in flexible study. Fit learning around your lifestyle with part-time, full-time, online and on-campus options.



Top 5 Australian university for first-in-family study

We're a leading university for supporting students who are the first in their immediate family to go to university.¹



Scholarships to help you through

We have a diverse range of scholarships that recognise hard work, support those in need and assist students with the financial burden of studying.



The dual-sector advantage - we're a TAFE and a university

From certificates and apprenticeships through to diplomas and degrees, we have a course to fit your preferred level of study and pathway options. This means if you complete a TAFE course and decide to continue studying, you can do it all with CDU.

1. The Good Universities Guide 2025

2. 2023 Graduate Outcomes Survey National Report

Contact us

E: study@cdu.edu.au

Freecall: 1800 061 963

Mon – Thursday 8.00am - 4.00pm

Friday 8.00am – 3.00pm (ACST)

cdu.edu.au

Casuarina

Larrakia Country

Orange 1.1

Ellengowan Drive, NT

Education and Community Precinct

Larrakia Country

54 Cavenagh Street, Darwin NT

Darwin Waterfront

Larrakia Country

21 Kitchener Drive, Darwin NT

Palmerston

Larrakia Country

University Avenue, Palmerston NT

Alice Springs

Arrernte Country

Grevillea Drive, Alice Springs NT

Katherine Town Centre

Jawoyn, Wardaman and Dagoman Country

19 Second Street, Katherine NT

Katherine Rural

Jawoyn, Wardaman and Dagoman Country

Lot 5626 (16km North of Katherine)

Stuart Highway, Katherine NT

Nhulunbuy

Yonju Country

Lot 1468 Dartnall Close, Nhulunbuy NT

Sydney

Gadigal Country

Level 10, 815 George Street,

Haymarket, Sydney, NSW

While all reasonable efforts have been made to ensure that the information in this publication is correct, matters covered by this publication are subject to change. Charles Darwin University does not assume and hereby disclaims any express or implied liability whatsoever to any party for any loss or damage caused by errors or omissions, whether these errors or omissions result from negligence, accident or any other cause.

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Student Central

Freecall: 1800 061 963

E: study@cdu.edu.au

You make CDU



cdu.edu.au