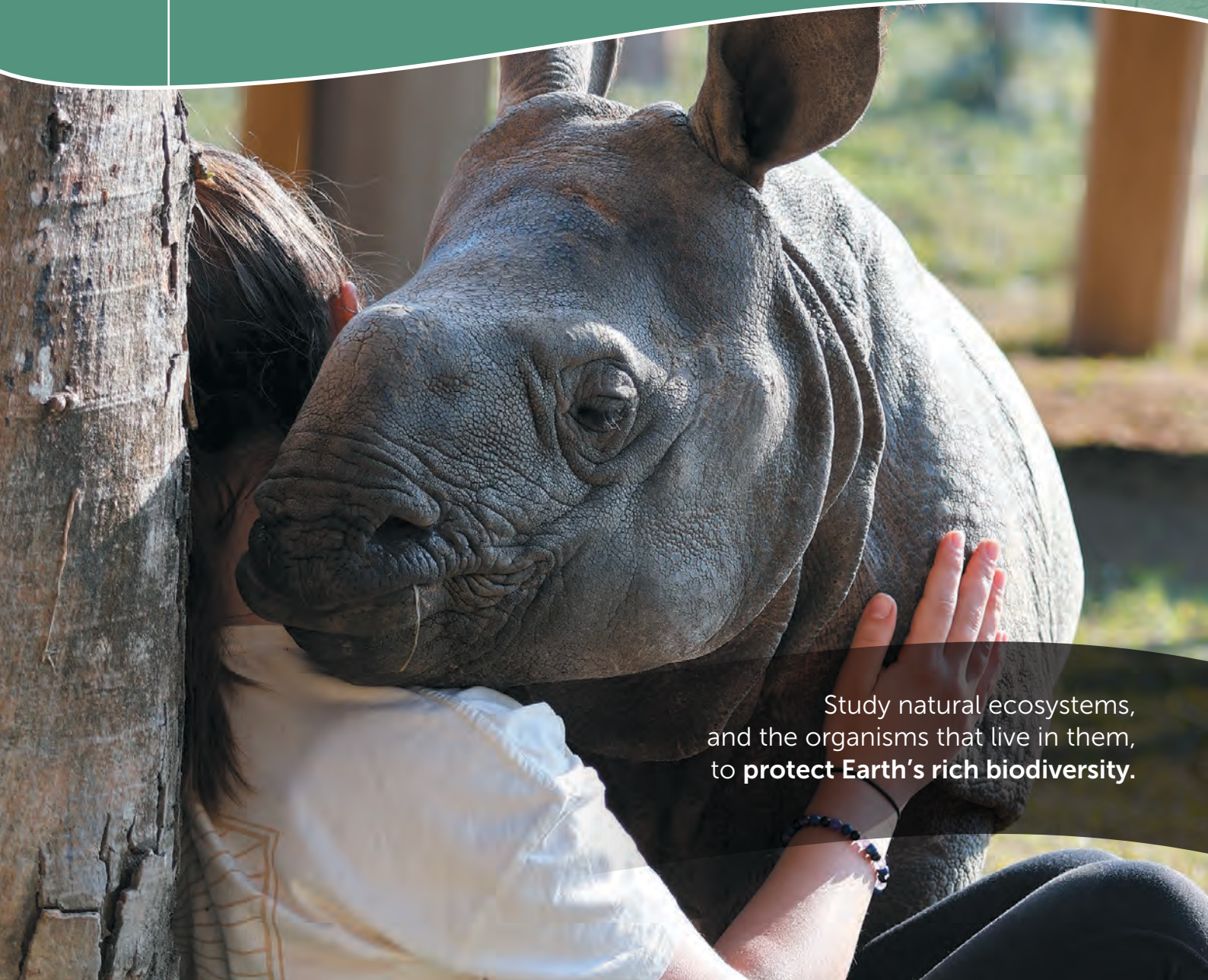


Bachelor of Environmental and Conservation Science



Study natural ecosystems,
and the organisms that live in them,
to **protect Earth's rich biodiversity.**

Welcome to Federation University Australia

We're thrilled that you've taken the first step towards completing a degree with Federation University. Whatever your passion or career goals, Federation has everything you need to make your mark in the world.

Reasons to choose Federation University

TOP 200	Young Universities in the World ¹
TOP 300	Universities worldwide for Sustainable Development Goals ²
#1	University in Victoria for Overall Educational Experience for Science & Mathematics ³
#1	University in Victoria for Graduate Starting Salary ³
5/5 RATING	Excellence in Research⁴ Federation was rated at or above world standard in 80% of our submitted Fields of Research
	Affordable tuition fees and great scholarships available
	High quality , personalised teaching and dedicated international student support
	Industry integrated learning with opportunities for real life projects with industry leaders

1 Times Higher Education (THE) Young University Rankings 2023

2 Times Higher Education (THE) World University Impact Rankings 2022

3 The Good Universities Guide 2024 (Undergraduate)

4 Excellence in Research Australia, 2018 National Report



Welcome to the Institute of Innovation, Science and Sustainability (IISS)

Scientific knowledge impacts many aspects of modern life – from informing public policy to making decisions on energy, understanding climate change, managing populations, combatting health issues, and ecological preservation.

Scientists make new discoveries every day that provide solutions to these problems and help answer the many mysteries of the world. Whether you're looking to investigate communicable diseases, help protect endangered species or become a food technologist – there has never been a more exciting time to unlock your passion for science.

Federation University's Institute of Innovation, Science and Sustainability (ISS) delivers contemporary science degrees, designed to meet the needs of industry now and long into the future. Incorporating teachings from our expert academics, researchers and industry leaders, you will develop your skills in the classroom and put them into practice through real-world projects, field work and placements. We ensure that every Bachelor of Environmental and Conservation Science graduate is equipped with confidence, knowledge, skills and experience to succeed in their career. That's why Federation University is internationally recognised by employers for producing highly desirable graduates.



Meet one of your Course Coordinators

Dr Simone Louwhoff has taught into the Bachelor of Environmental and Conservation Science course at Federation University for more than 15 years. An experienced educator in this area, Simone has a passion for developing innovative and inclusive learning material. She is one of the course coordinators and in this role provides tailored study and academic advice to support students with their unit selection, setting them on the right trajectory for their career path.

Simone's research interests are in Australian Flora, including the lower plants, invasive species, and restoration projects. She completed her Masters (Research) and her PhD in lichens and has a special interest in their role as bioindicators. Simone is involved with local Friends and Field Naturalists Clubs and regularly presents talks, or runs guided walks, for Landcare Australia and community groups.

Connect with Simone and other academic staff teaching in the Bachelor of Environmental and Conservation Science degree to become involved with these types of activities and learn about their respective research expertise.

Dr Simone Louwhoff, Dr Kushan Tennakoon (above) and Professor Singarayer Florentine ('Florry') (left) received a 2023 Vice-Chancellor's Award for Learning and Teaching for developing a *Virtual Fieldtrip*. The innovative and flexible program offers an online substitute for traditional environmental excursions that drives improvements and inspires student learning.

What to expect

Our Bachelor of Environmental and Conservation Science will see you:

- gain a **deep knowledge of environmental science** and how it integrates with the management of conserving and rehabilitating natural and degraded ecosystems
- complete field trips across a range of environmental settings, to gain work-ready skills, while establishing **professional networks** with leading conservation authorities in Victoria
- understand and apply investigative **environmental and laboratory techniques such as sampling, observing, identification and microscopy**
- graduate from Australia's first Co-operative University with the **practical skills, knowledge, networks and confidence** to contribute to one of the most progressive industries in the world.

Our Bachelor of Environmental and Conservation Science degree will prepare you for a career that positively impacts the environment and its future. Bringing together two key disciplines, you will develop a broad understanding of natural elements (think air, water, and soil) and the impact consuming land resources has on their longevity.

Throughout this course, students will participate in a minimum of six fieldtrips, ranging from 1 to 5 days in length. Putting new knowledge and techniques into practice, students will learn how to sample, observe and contribute to field investigations conducted by environmental organisations across Victoria. As a Bachelor of Environmental and Conservation Science student, you will also complete a field-based investigation capstone unit designed to teach you a variety of collection and sampling techniques so that you can confidently assess the surrounding environment.

Interested in further study? Successful completion of this course opens the door to the Bachelor of Science (Honours) as a pathway to a higher degree in research.

Sample course plan

	YEAR ONE	YEAR TWO	YEAR THREE
SEMESTER 1	Principles of biology (15 credit points)	Australian fauna (15 credit points)	Ecosystems conservation and management (15 credit points)
	Scientific communication (15 credit points)	Field-based investigation (15 credit points)	Environmental assessment (15 credit points)
	Chemistry 1 (15 credit points)	Population and community ecology (15 credit points)	Elective (15 credit points)
	Biodiversity conservation (15 credit points)	Elective (15 credit points)	Elective (15 credit points)
SEMESTER 2	Professional identity (15 credit points)	Australian flora (15 credit points)	Climate and environmental issues in a changing world (15 credit points)
	Environmental studies (15 credit points)	Invasive species: ecology, management and challenges (15 credit points)	Elective (15 credit points)
	Scientific practice (15 credit points)	Geographic information systems (15 credit points)	Elective (15 credit points)
	Sustainable earth (15 credit points)	Elective (15 credit points)	Elective (15 credit points)

Four of the electives for this course are dedicated to cooperative learning in a conservation-related field through a work placement.

Course details, fees and sample structures are subject to variation. For the most up to date information, visit our Course Finder website, study.federation.edu.au

What's in the detail?

CRICOS
088140E
INTAKES
Semester 1 (February) Semester 2 (July)
CAMPUSES
Mt Helen (Ballarat) Berwick (Melbourne) Gippsland
DURATION
3 years full time (360 credit points)
FEES (ANNUAL)
\$30,030 New international students may be eligible for a tuition fee scholarship. federation.edu.au/current-students/starting-at-federation/scholarships/international-scholarships



Field trips and industry engagement

The Bachelor of Environmental and Conservation Science course exposes students to a range of real-world experiences to further develop their knowledge, skills and professional networks.

While on-campus, students receive guest lectures and fieldtrip presentations from a range of industries and organisations. Students may also have an opportunity to complete work experience or placements with Parks Victoria, Catchment Management Authorities, the Department of Energy, Environment and Climate Action, Energy Australia (mines), Landcare Australia and more.

The Institute of Innovation, Science and Sustainability also has several established research projects, where our leading academics combine teaching with internationally-recognised research to create a cutting-edge learning environment.

Federation's course coordinators, lecturers and research teams maintain close working relationships with these leading organisations to give students exposure to their field throughout their studies, both in Australia and abroad.

Bush Medicine Project

Driven by Dr Ben Long, the Bush Medicine Project brings together students from a range of Federation courses to collaborate and discover medicinal compounds in indigenous Australian plants. During the second year of your environmental and conservation science course, you will undertake an Australian flora unit (SCENV2100) where you will get to participate in this project by collecting, identifying, mapping and preserving plants of interest.

The multidisciplinary research project is run in collaboration with Federation's Aboriginal Education Centre. Find out more, visit [federation.edu.au/institutes-and-schools/iiss/research/bush-medicine-project](https://www.federation.edu.au/institutes-and-schools/iiss/research/bush-medicine-project)

Put your dream career in reach

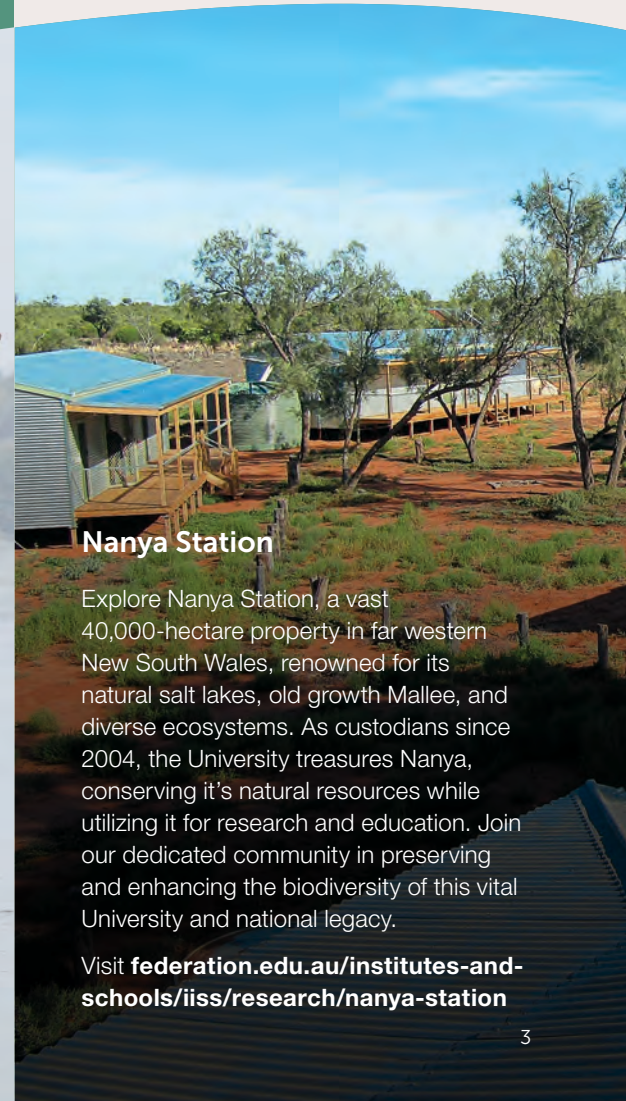
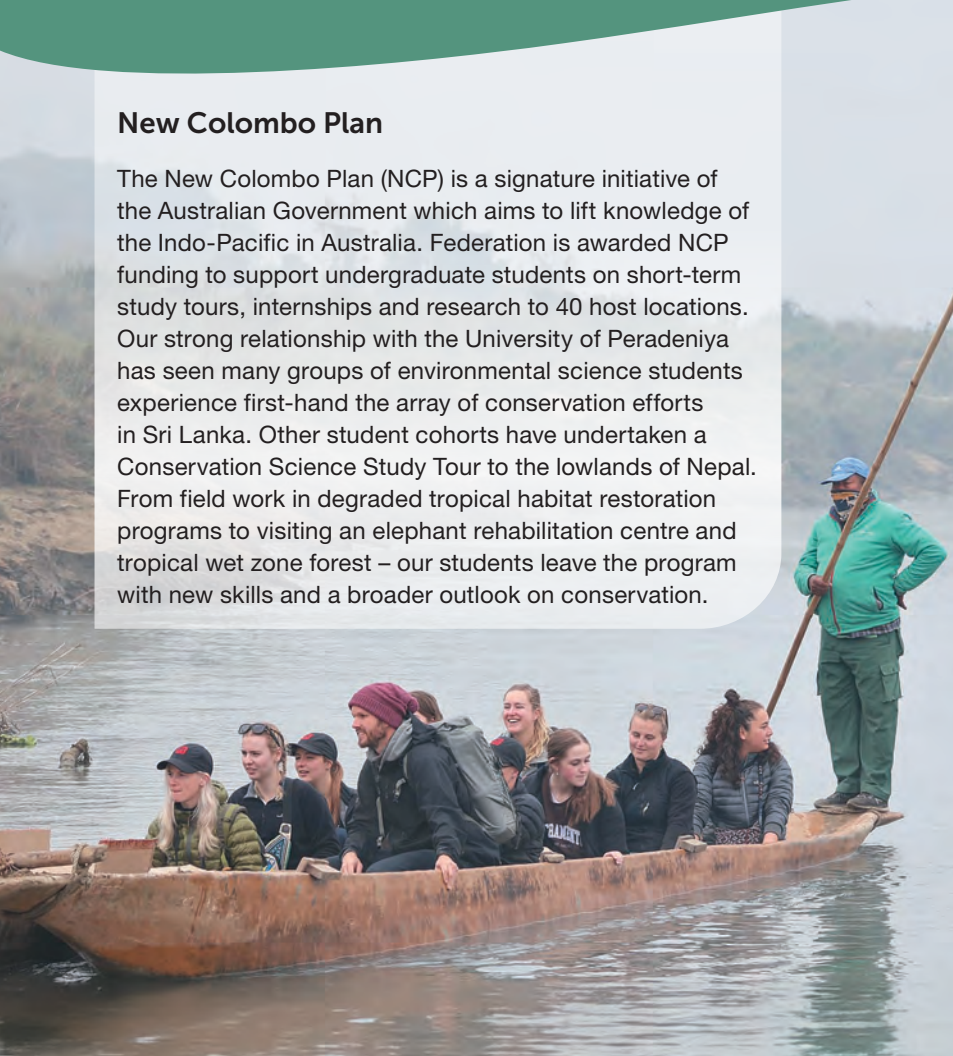
Studying environmental and conservation science at Federation University can catapult you into a fulfilling career in the pursuit of new knowledge and preserving our diverse natural ecosystems. Upon graduating you will be work-ready, holding a globally recognised qualification and significant field work experience.

Our graduates go on to work for national parks, conservation groups, resource industries, governments, and universities. With the knowledge, skills and experience gained in this degree, you might find yourself doing just that in one of the following roles:

- Environmental consultant
- Water quality specialist
- Toxicologist
- Biosecurity officer
- GIS analyst
- Horticulturist
- Environmental scientist
- Landscape ecologist
- Conservation and biodiversity officer
- Researcher or educator

New Colombo Plan

The New Colombo Plan (NCP) is a signature initiative of the Australian Government which aims to lift knowledge of the Indo-Pacific in Australia. Federation is awarded NCP funding to support undergraduate students on short-term study tours, internships and research to 40 host locations. Our strong relationship with the University of Peradeniya has seen many groups of environmental science students experience first-hand the array of conservation efforts in Sri Lanka. Other student cohorts have undertaken a Conservation Science Study Tour to the lowlands of Nepal. From field work in degraded tropical habitat restoration programs to visiting an elephant rehabilitation centre and tropical wet zone forest – our students leave the program with new skills and a broader outlook on conservation.



Nanya Station

Explore Nanya Station, a vast 40,000-hectare property in far western New South Wales, renowned for its natural salt lakes, old growth Mallee, and diverse ecosystems. As custodians since 2004, the University treasures Nanya, conserving its natural resources while utilizing it for research and education. Join our dedicated community in preserving and enhancing the biodiversity of this vital University and national legacy.

Visit [federation.edu.au/institutes-and-schools/iiss/research/nanya-station](https://www.federation.edu.au/institutes-and-schools/iiss/research/nanya-station)

Entry and application information

Entry requirements

To be eligible for this course students must have **successfully completed**:

- An Australian **Year 12 Certificate** with one final year course in Mathematics (any), Chemistry, Biology or Physics (or overseas equivalent); and
- **Academic IELTS overall score of 6.0**, with no bands less than 6.0 (or equivalent)

For more information on satisfying English language requirements, including accepted test programs, please visit federation.edu.au/english-language-requirements ↗

Once you have submitted your application, you will be assessed against the course requirements and for available pathways and scholarships.



Pathways designed specifically for you

If you have not met the entry requirements for this course, don't worry. With a range of pathways now available, you can be studying at Federation University sooner than you think.

Foundation Studies

(CRICOS Code 110818J)

This pre-university course is designed for international students to meet the requirements needed to join a higher education diploma or fast-track your way directly into the first year of a Bachelor degree. Develop your English and academic skills in a supportive environment, undertaking a broad selection of courses to gain insight into what we provide.

Find out more ↗

study.federation.edu.au/course/DGFO

English Language courses

(CRICOS Code 113565A)

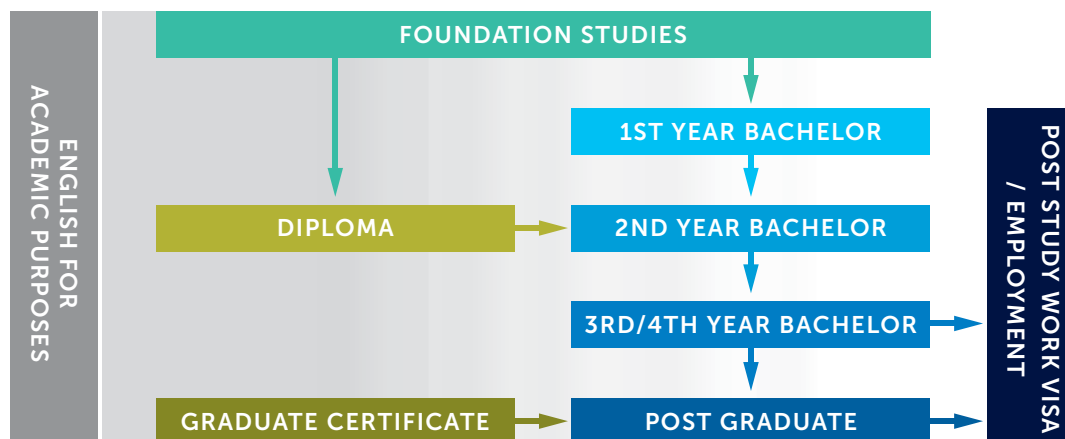
Begin an exciting journey with our English courses offered at Federation University. As the national language of Australia, English is a key asset for unlocking success in your academic, professional, and personal pursuits. In these courses you will perfect your skills in grammar, writing, reading, speaking and listening as well as study literature and elements of Australia's culture.

This course is suitable for students needing to meet the equivalent of an IELTS 6.0 overall (with no band less than 6.0), IELTS 6.5 overall (with no band less than 6.0) or IELTS 7.0 overall (with no band less than 6.5) to commence study.

Find out more ↗

study.federation.edu.au/course/DEA1

Your pathway journey



Scholarships

Studying in Australia just became more affordable

At Federation University Australia, we're committed to attracting curious and driven students from around the world by offering an array of excellence scholarships.

Our scholarships allow awardees to pursue their career dreams and contribute meaningfully to their chosen fields of education. While also giving back to their home and Australian communities. From accommodation support to tuition fee discounts and research grants — visit our website to learn more about available scholarships, terms and conditions, eligibility criteria, and how to apply.

Find out more ↗

federation.edu.au/scholarships



Rong, China

Bachelor of Environmental and Conservation Science

"I was originally studying my degree at Hebei University of Science and Technology in China. After the pandemic ended, two Federation teachers visited our school to teach face-to-face. I felt their enthusiasm which made me more determined to study abroad in Australia."

"What I like most about the university is that they offer small class sizes, which gives me better access to my teachers and a better learning experience overall. This course offers many opportunities to visit and study in the field, deepening my understanding of subjects and allowing me to gain practical experience working in natural environments."

Federation's science students are regularly taken on field trips to places like Phillip Island where they can explore the nature reserve and learn from local rangers. Located just 90 minutes offshore from Melbourne, the island is home to some of Australia's most unique wildlife.

“ *On Phillip Island, you can fully experience the relationship between humans and nature. There is a large wildlife conservation area where you can watch birds hunting for food with their young chicks. I had the opportunity to see penguins up-close as they returned to their nests and koalas sleeping. We also went on a boat to observe different species of birds in flight or feeding – there were whales and seals too. I really enjoyed the field trip. I was able to practice my English, enhance my professional knowledge and make more friends.* **”**

Rong joined Federation University through our science pathway with Hebei University of Science. Eligible students may commence their degree in China before transitioning to a Federation University campus to complete the final year. To learn more about our overseas education partnerships, visit federation.edu.au/international/education-partnerships.

Feel supported to succeed

We understand that choosing to study abroad is both an exciting and challenging time. Help at Federation University is readily available – be it support with your English, understanding your assignments, or finding someone to talk to about personal life concerns. No matter the challenge, our range of student-focused services enables international students to develop skills, knowledge and confidence in a supportive environment that is united in your ambition to succeed.

Some of our support services include:

	English Language Support Service
	Libraries and Learning Skills Advisory
	Counselling
	International Student Employability
	International Student Advisory
	Spiritual facilities
	Support for students with disabilities
	Sports and clubs

Your next steps

Whether you're applying directly or via an agent, just follow these simple steps



Step 1

FIND YOUR COURSE

Find the Federation University course you wish to study

- For undergraduate and postgraduate courses visit study.federation.edu.au
- Check you meet the academic entry requirements
- Check you meet the English language requirements
- Check for any essential requirements that you need to complete in addition to your application.

Essential requirements may include auditions, tests or interviews.

Step 2

APPLY

- International students or their agents must apply through the **StudyLink** online application system
Visit federation.edu.au/international/study-at-federation/apply
- Follow the instructions and ensure you have attached all relevant supporting documents.
- Details of documentation required is available at federation.edu.au/international/prepare

Note: Be aware of cut off dates.

Step 3

ASSESSMENT

Your application will be assessed by our team

- English language requirements
- Academic entry requirements
- Scholarships



Step 4

OFFER MADE

Congratulations!

You will be sent an International Student Offer and Acceptance Pack that includes:

- Letter of Offer
- Information for accepting your offer
- GTE and/or financial assessment forms*

Refer federation.edu.au/SSVF for more information.

*International students may be required to complete a pre-visa screening process as a condition of their offer under the requirements of the Simplified Student Visa Framework (SSVF). The requirements will depend on a number of factors.

Step 5

ACCEPTANCE AND PAYMENT

Once you have provided all documentation and met all conditions, sign the acceptance of your offer letter and pay the required fees.

We will then issue you with an electronic Confirmation of Enrolment (CoE).

Note: Payments to Federation must be made via Convera GlobalPay through your StudyLink application.



Step 6

VISA APPLICATION WITH COE

You will need your CoE to apply for your Australian student visa.

More information on the visa application process is available at immi.homeaffairs.gov.au

Note: Make sure you plan in advance to get your visa in time.



Step 7

PREPARE TO ARRIVE

We will send you an International Student Support Guide to help you understand what to expect.

FLIGHTS

Make sure you arrive in time to attend the compulsory International Student Orientation Program that is held in the weeks before semester commences.

ACCOMMODATION

Check out the offers from FedLiving – on-campus accommodation in Ballarat, Berwick and Gippsland.



Federation.edu.au
International phone:
+61 3 5327 9018

#feduni/
feduniaustralia

Disclaimer: Information contained in this brochure was correct at the time of publication (March 2024). Federation University Australia reserves the right to alter any course, procedure or fee, as deemed necessary. Prospective students should confirm course information by visiting federation.edu.au and vtac.edu.au or by contacting the University directly. Produced by the Global Professional School, Federation University Australia. Federation University Australia courses are delivered with Victorian and Commonwealth Government funding to eligible applicants. CRICOS Provider No. 00103D | RTO Code 4909 | TEQSA No. PRV12151 (Australian University), CC_260324