



THE UNIVERSITY OF NOTRE DAME AUSTRALIA

Bachelor of Science

Bachelor of Science

School of Arts & Sciences

Do you want to be at the forefront of global challenges? The University of Notre Dame Australia's three-year Bachelor of Science degree has been designed to prepare you to take on the challenges facing our world today and in the future. You will gain knowledge and skills across several science areas, increase job possibilities, and build depth of learning through a specialist Science Stream aligned to your specific interests. Get in contact today to find out more about this exciting degree.

Why study this degree?

If you want to make a career in the field of science, this degree is a perfect choice. You will study core interdisciplinary Science courses, including experimental design, maths, biology, chemistry, and ecology. These courses provide the basis for strong skills in scientific investigation, including data collection and analysis, critical thinking, problem-solving, teamwork, and effective communication and ensure versatile graduates. These skills are highly sought after by employers and applicable to many workplaces both within and outside the field of Science.

Building on these core Science courses, you will deepen your study of Science by selecting a Science Stream that matches your interests: Biology & Environment, Environment & Heritage, Human & Medical Science, or Multidisciplinary Science. Each Stream ensures in-depth

knowledge and skill development through practical hands-on experience in the classroom, the laboratory, and the field.

Science Streams

- [Biology & Environment](https://www.notredame.edu.au/about-us/faculties-and-schools/school-of-arts-and-sciences/fremantle/course-descriptions/biology-and-environment-stream)
(<https://www.notredame.edu.au/about-us/faculties-and-schools/school-of-arts-and-sciences/fremantle/course-descriptions/biology-and-environment-stream>)
- [Environment & Heritage](https://www.notredame.edu.au/about-us/faculties-and-schools/school-of-arts-and-sciences/fremantle/course-descriptions/environment-and-heritage-stream)
(<https://www.notredame.edu.au/about-us/faculties-and-schools/school-of-arts-and-sciences/fremantle/course-descriptions/environment-and-heritage-stream>)

- Human & Medical Science
(<https://www.notredame.edu.au/about-us/faculties-and-schools/school-of-arts-and-sciences/fremantle/course-descriptions/human-and-medical-science-stream>)
- Multidisciplinary Science
(<https://www.notredame.edu.au/about-us/faculties-and-schools/school-of-arts-and-sciences/fremantle/course-descriptions/multidisciplinary-science>)

Majors

- Archaeology
(<https://www.notredame.edu.au/programs/arts-and-sciences/undergraduate/bachelor-of-science-major-archaeology>)
- Biology (<https://www.notredame.edu.au/programs/arts-and-sciences/undergraduate/bachelor-of-science-major-biology>)
- Environmental Management
(<https://www.notredame.edu.au/programs/arts-and-sciences/undergraduate/bachelor-of-science-major-environmental-management>)

Minors

You may incorporate greater breadth of perspective and experience by studying courses from one or more areas of secondary interest, such as Journalism, Screen Arts (formerly, Politics and International Relations, Social Justice, Business Studies or Behavioural Science.

Program summary

Required Core Science courses

Eight (8) courses at introductory, intermediate and advanced levels create an interdisciplinary Science core.

1. SCIE1001 Fundamentals of Science Research and Communication
2. SCEI1000 Introduction to Chemistry
3. SCIE1150 Introduction to Biological Science
4. MATH1000 Applied Mathematics for Science
5. ENVR2330 Australian Ecology: from Theory to Practice
5. HLTH2270 Data Analysis and Experimental Design

7. SCIE3350 Directed Science Research
3. SCIE3900 Science Internship

Plus a Science Stream

Each Science Stream is made up of a minimum of seven (7) courses to deepen your learning. You are required to select one of the following streams:

- Biology & Environment
(<https://www.notredame.edu.au/about-us/faculties-and-schools/school-of-arts-and-sciences/fremantle/course-descriptions/biology-and-environment-stream>)
- Environment & Heritage
(<https://www.notredame.edu.au/about-us/faculties-and-schools/school-of-arts-and-sciences/fremantle/course-descriptions/environment-and-heritage-stream>)
- Human & Medical Science
(<https://www.notredame.edu.au/about-us/faculties-and-schools/school-of-arts-and-sciences/fremantle/course-descriptions/human-and-medical-science-stream>)
- Multidisciplinary Science
(<https://www.notredame.edu.au/about-us/faculties-and-schools/school-of-arts-and-sciences/fremantle/course-descriptions/multidisciplinary-science>)

Plus six (6) Elective courses - Majors

Students can use elective courses to build a Major in Archaeology

(<https://www.notredame.edu.au/programs/arts-and-sciences/undergraduate/bachelor-of-science-major-archaeology>), Biology

(<https://www.notredame.edu.au/programs/arts-and-sciences/undergraduate/bachelor-of-science-major-biology>) or Environmental Management

(<https://www.notredame.edu.au/programs/arts-and-sciences/undergraduate/bachelor-of-science-major-environmental-management>), OR complete a Minor in a non-science area.

Minors

You may incorporate greater breadth of perspective and

You may incorporate greater breadth of perspective and experience by studying courses from one or more areas of secondary interest, such as Journalism, Film & Screen Production, Politics and International Relations, Social Justice, Business Studies, Behavioural Science or Preventative Health.

core-curriculum

Core Curriculum

- CORE I: Foundations of Wisdom
- CORE II: Elective
 - Electives in philosophy and\or theology
 - Professional embedded electives that integrate studies in a profession with philosophy and\or theology
 - An option to undertake a pilgrimage embedded in the study of the philosophy and theology of pilgrimage, e.g., World Youth Day
 - An option to undertake a course that integrates philosophy & theology with community service and charity work
 - An option to undertake an elective in philosophy, theology, and the liberal arts contained within an international experience

Full details of the Bachelor of Science program requirements are contained in the [Program Requirements](https://www.notredame.edu.au/__data/assets/pdf_file/0015/33270/Bachelor-of-Science.pdf) (https://www.notredame.edu.au/__data/assets/pdf_file/0015/33270/Bachelor-of-Science.pdf).

arts&sciences

More information regarding courses can be found at the [course descriptions](https://www.notredame.edu.au/about/schools/fremantle/arts-and-sciences/course-descriptions) (<https://www.notredame.edu.au/about/schools/fremantle/arts-and-sciences/course-descriptions>) page.

Please note: The availability of these courses is indicative only and may be subject to change.

Entry requirements

drop-down code

Entry requirements WA

Learning outcomes

Upon successful completion of the Bachelor of Science graduates will be able to:

1. Articulate the methods and philosophy of Science and explain why current scientific knowledge is both contestable and testable
2. Explain the role and relevance of Science in society
3. Apply broad and coherent theoretical and technical knowledge with depth in one or more disciplines
4. Synthesise and critically evaluate information from a range of sources
5. Design scientific investigations, collect, and interpret data and draw conclusions showing creativity in problem solving
5. Conduct investigations using practical and theoretical approaches
7. Communicate results, information, and arguments to audiences for a range of purposes and in a variety of modes
3. Apply current regulatory frameworks and exercise high personal and professional ethical standards
9. Work independently as a reflective, self-directed learner and, where appropriate, in collaboration with others.

Practical component

You will be required to complete SCIE3900 Science Internship that includes an industry placement of at least 225 hours.

Career opportunities

Career opportunities are diverse and depend on the Science Stream you choose. Combining complementary study areas can strengthen career prospects and provide greater flexibility in your options for graduate employment. The Bachelor of Science is excellent preparation for further postgraduate study in Science and other areas such as Education and Medicine. See individual Science Streams for more career and study information.

Real-world experience

You will learn from our academics, who are leaders in their field. You will also be required to complete the SCIE3900 Science Internship, which includes an industry placement of at least 225 hours to enable you to gain valuable workplace experience.

Honours

An Honours award is available for this program. Further information can be found in the [Bachelor of Science \(Honours\) regulations](#)

(https://www.notredame.edu.au/_data/assets/pdf_file/0024/3849/Bachelor-of-Arts-Honours.pdf), or by contacting the [School of Arts & Sciences](#) (<https://www.notredame.edu.au/about-us/faculties-and-schools/school-of-arts-and-sciences>).

Study abroad

A global perspective adds a valuable dimension to your university education. At Notre Dame University you can study while experiencing the world. We encourage students to become active global citizens through a range of exchange programs, professional placements, study tours, and volunteer opportunities. Visit [International Opportunities](#) (<https://www.notredame.edu.au/study/international-students>) to find out more.

Fees and costs

This Program has the following loan scheme(s) available for eligible students:

Commonwealth Supported Place (CSP)

A Commonwealth Supported Place (CSP) is a place at a university where the Australian Government pays part of your fees. This part is a subsidy, not a loan, and you don't have to pay it back. However, this subsidy does not cover the entire cost of your study. Students must pay the rest, which is called the 'student contribution amount'.

In a Commonwealth Supported Place, your fees are subsidised by the Australian Government. Your fees will be split into two portions:

The Commonwealth contribution, which is the portion paid by the Australian Government.

The student contribution, which is the portion you pay. You may choose to pay upfront or defer your student contribution with a HECS-HELP Loan. The HECS-HELP loan scheme (<https://www.studyassist.gov.au/preview-link/node/106/5de65e70-6656-4297-a79d-19fd4a6deadd>) assists eligible students with the payment of all, or part, of their tuition fees, not including additional study costs such as accommodation or textbooks. Your HECS-HELP debt will be indexed each year in line with the Consumer Price Index.

Eligible students will be offered a CSP – you do not need to apply.

International Full-Fee Paying

Tuition costs depend on an international student's study load and discipline. Fees are payable each semester at least four weeks prior to the commencement of your program.

For indicative fees and information on how to pay, including Government loan schemes and our online calculator, visit our Fees, costs and scholarships page (<https://www.notredame.edu.au/study/fees-costs-and-scholarships>).

Student profile data

Tables 1 and 2 below give an indication of the likely peer cohort for new students in this Program. It provides data on all students who commenced in this Program in the most relevant recent intake period, including those admitted through all offer rounds and international students studying in Australia.

Fremantle Student Profile Data

TABLE 1a - Bachelor of Science BASIS OF ADMISSION IN SEMESTER 1, 2022 INTAKE

Applicant background	Semester 1 2022	
	Number of students	Percentage of all students
(A) Higher education study (includes a bridging or enabling course)	9	60%
(B) Vocational education and training (VET) study	<5	N/P
(C) Work and life experience (Admitted on the basis of previous achievement not in the other three categories)	<5	N/P
(D) Recent secondary education: <ul style="list-style-type: none">Admitted solely on the basis of ATAR (regardless of whether this includes the consideration of adjustment factors such as equity or subject bonus points)	<5	N/P
<ul style="list-style-type: none">Admitted where both ATAR and additional criteria were considered (e.g. portfolio,	6	26%

audition, interview, extra test, early offer conditional on minimum ATAR)		
◦ Admitted on the basis of other criteria only and ATAR was <i>not</i> a factor (e.g. special consideration, audition alone, interview, school marks & recommendation with no minimum ATAR requirement)	<5	N/P
International students	N/A	N/A
<i>All students</i>	<i>15</i>	<i>100.0%</i>

TABLE 1b - Bachelor of Science ATAR PROFILE DATA FOR APPLICANTS ENTERING ON THE BASIS OF RECENT SECONDARY EDUCATION IN SEMESTER 1, 2022 INTAKE

RECENT SECONDARY EDUCATION - ATAR-based offers	ATAR (Excluding adjustment factors) *	Selection Rank (ATAR plus any adjustment factors) *[only if relevant]
Highest rank to receive an offer	N/A	N/A
Median rank to receive an offer	N/A	N/A
Lowest rank to receive an offer	N/A	N/A

TABLE 2a - Bachelor of Science (Honours) BASIS OF ADMISSION IN SEMESTER 1, 2022 INTAKE

Applicant background	Semester 1 2022	
	Number of students	Percentage of all students
(A) Higher education study (includes a bridging or enabling course)	<5	N/P

Choosing course,		
International students	<5	N/P
All students	N/P	100.0%

Notes:

"<5" – the number of students is less than 5

N/A – Students not accepted in this category

N/P – Not published: the number is hidden to prevent the calculation of numbers in cells with less than 5 students

In 2022, due to COVID, additional adjustment factor points were granted to applicants from NSW, ACT and VIC.

More information

Considering your uni options?

Talk to one of our career advisors for a personalised advice session (<https://calendly.com/d/dmr-5gg-c2h>). Our advisors provide support while choosing a program of study and completing our application process. **Book my session. (<https://calendly.com/d/dmr-5gg-c2h>)**

For more information, please call our Prospective Students Office on +61 8 9433 0533 or email future@nd.edu.au (<mailto:future@nd.edu.au>).

All international enquiries should contact the International Students Office on international@nd.edu.au (<mailto:international@nd.edu.au>).

APPLY DIRECT ↗

Need help? Ask Notre Dame

(08) 9433 0533

Duration: 3 years full-time or equivalent part-time

Duration type: Full time; Part time

Campus: Fremantle

Study mode: On campus

Commencement: Semester 1; Semester 2

Program code: 3555

CRICOS code: 045168D

Fee: Commonwealth Supported Place (CSP); International
II Fees

Practical Component: 225 hours

APPLY DIRECT [NOTREDAME.EDU.AU](https://www.notredame.edu.au)