



THE UNIVERSITY OF NOTRE DAME AUSTRALIA

# Bachelor of Science

***School of Arts & Sciences, Fremantle Campus***

***This three year 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 areas of Science which increases job possibilities, and also build depth of learning through a specialist Science Stream aligned to your specific interests.***

## **Why study this degree?**

All students of the Bachelor of Science study a set of 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 also ensure versatile graduates. These

skills are highly sort after by employers and applicable to many workplaces both within and outside of 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 in the field.

## Science Streams

- Biology & Environment  
(<https://www.notredame.edu.au/programs/fremantle/s-of-arts-and-sciences/undergraduate/bachelor-of-science/biology-and-environment-stream>)
- Environment & Heritage  
(<https://www.notredame.edu.au/programs/fremantle/s-of-arts-and-sciences/undergraduate/bachelor-of-science/environment-and-heritage-stream>)
- Human & Medical Science  
(<https://www.notredame.edu.au/programs/fremantle/s-of-arts-and-sciences/undergraduate/bachelor-of-science/human-and-medical-science-stream>)
- Multidisciplinary Science  
(<https://www.notredame.edu.au/programs/fremantle/s-of-arts-and-sciences/undergraduate/bachelor-of-science/multidisciplinary-science>)

## Majors

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

- [Environmental Management](https://www.notredame.edu.au/programs/fremantle/s-of-arts-and-sciences/undergraduate/bachelor-of-science-major-environmental-management)  
(<https://www.notredame.edu.au/programs/fremantle/s-of-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, Film & Screen Production, Politics and International Relations, Social Justice, Business Studies, Behavioural Science or Preventative Health.

## **Program summary**

### **Core Curriculum**

- CORE1010 Introduction to Philosophy
- CORE1020 Ethics
- CORE1030 Introduction to Theology

## **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. MATH1030 Principles of Mathematics OR MATH1300 Mathematics Foundations
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/programs/fremantle/school-of-arts-and-sciences/undergraduate/bachelor-of-science/biology-and-environment-stream>)
- Environment & Heritage  
(<https://www.notredame.edu.au/programs/fremantle/school-of-arts-and-sciences/undergraduate/bachelor-of-science/environment-and-heritage-stream>)
- Human & Medical Science  
(<https://www.notredame.edu.au/programs/fremantle/school-of-arts-and-sciences/undergraduate/bachelor-of-science/human-and-medical-science-stream>)
- Multidisciplinary Science  
(<https://www.notredame.edu.au/programs/fremantle/school-of-arts-and-sciences/undergraduate/bachelor-of-science/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/fremantle/school-of-arts-and-sciences/undergraduate/bachelor-of-science-major-archaeology>), Biology

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

(<https://www.notredame.edu.au/programs/fremantle/school-of-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 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.

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Full details of the Bachelor of Science program requirements are contained in the [Program Regulations \(https://www.notredame.edu.au/\\_data/assets/pdf\\_file/0015/33270/Bachelor-of-Science-3555.pdf\)](https://www.notredame.edu.au/_data/assets/pdf_file/0015/33270/Bachelor-of-Science-3555.pdf).

More information about the individual 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.

Here you can find full details of the [courses on offer \(https://www.notredame.edu.au/\\_data/assets/pdf\\_file/0026/84077/2020-2021-Courses-on-Offer.pdf\)](https://www.notredame.edu.au/_data/assets/pdf_file/0026/84077/2020-2021-Courses-on-Offer.pdf).

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

## **Study Abroad**

You will have the opportunity to complete part of your degree at one of our partner institutions through our exchange program. Get in touch with the [Study Abroad Office \(https://www.notredame.edu.au/international/study-abroad\)](https://www.notredame.edu.au/international/study-abroad) to find out more about studying in Asia, Europe and North America.

## **Real-world experience**

### **Work integrated learning**

To ensure you are job-ready, this degree builds in career education, authentic industry experiences and a six-week professional placement with an organisation aligned with your studies and career aspirations. This valuable experience provides you with the opportunity to apply your knowledge and skills to real-life situations in industry and to be mentored by professionals who are leaders in their fields. Importantly, you will build confidence and

independence and your industry contacts may help with the transition from university to employment after graduation.

## **Entry requirements**

Academic requirements for this program are outlined below. In addition, to be eligible for admission, all applicants need to satisfy minimum requirements outlined at [admission requirements](https://www.notredame.edu.au/study/admission-requirements) (<https://www.notredame.edu.au/study/admission-requirements>). These include those relating to age and [English Language Proficiency](https://www.notredame.edu.au/study/admission-requirements/english-language-proficiency-requirements) (<https://www.notredame.edu.au/study/admission-requirements/english-language-proficiency-requirements>). We also consider your application more broadly - your non-academic achievements (such as any previous leadership roles, volunteering, work, church and/or community involvement) as well as personal qualities - your aspirations and interests and your capacity to complete your chosen program.

### **Applicants with recent Secondary Education:**

- Indicative ATAR of 70 with a score of 50+ in ATAR English, ATAR Literature or ATAR English as an Additional Language or Dialect (EALD)  
OR
- Minimum International Baccalaureate (IB) score of 24  
OR
- Completed AQF Certificate IV or higher in a relevant discipline, from an accredited provider such as TAFE or a Registered Training Organisation (RTO) with a score of 50+ in ATAR English, ATAR Literature or ATAR English as an Additional Language or Dialect (EALD).

### **Applicants with Higher Education Study**

- Other university studies completed at undergraduate level or higher, a minimum of 4 successfully completed subjects;

OR

- Successful completion of the Notre Dame Tertiary Pathway Program or of another Enabling Program at a level deemed sufficient by the University;

Applicants who have successfully completed subjects at another University, which are relevant to the selected program of study, may be eligible for Advanced Standing (<https://www.notredame.edu.au/current-students/your-enrolment/admin-and-fees/fremantle/advanced-standing>).

### **Applicants with Vocational Education and Training (VET) study**

- Completed AQF Certificate IV or higher in a relevant discipline, from an accredited provider such as TAFE or a Registered Training Organisation (RTO).

### **Applicants with Work and Life Experience**

Applicants who left secondary education more than two years previously and who have not undertaken VET or higher education study since then, but with relevant work and life experience. Such experience may include, but is not limited to:

- STAT scores of at least 135 in the Multiple Choice section **and** 140 in the Written English section are required

OR

- Mature-age completion of two Year 12 WACE or HSC exams with a resulting ATAR of 70 or above
- OR
- Western Australian Certificate of Education (WACE) or equivalent results if these have been completed within the last 5 years.

*Please note: all applicants must be of school leaving age or older to apply.*

### **Fees and costs**

This Program has the following loan scheme(s) available

for eligible students:

### **FEE-HELP**

The FEE-HELP loan scheme assists eligible fee-paying students with the payment of all, or part, of their tuition fees, not including additional study costs such as accommodation or textbooks. Your FEE-HELP debt will be indexed each year in line with the Consumer Price Index.

### **Honours**

An Honours award is available for this program. Further information can be found in the [Bachelor of Science \(Honours\) regulations \(./?a=4081\)](#), or by contacting the [School of Arts & Sciences](#) (<https://www.notredame.edu.au/about/schools/fremantle/arts-and-sciences/contact-us>).

### **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 an excellent preparation for further post graduate study in Science and other areas such as Education and Medicine.

See individual Science Streams for more career and study information.

### **Student profile data**

Table 2 below gives 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.

### **TABLE 2a - Bachelor of Science BASIS OF ADMISSION IN SEMESTER 1, 2022 INTAKE**



## IN SEMESTER 1, 2020 INTAKE

Applicant background	Semester 1 2020	
	Number of students	Percentage of all students
<b>(A) Higher education study</b> (includes a bridging or enabling course)	<5	N/A
<b>(B) Vocational education and training (VET) study</b>	<5	N/A
<b>(C) Work and life experience</b> (Admitted on the basis of previous achievement not in the other three categories)	<5	N/A
<b>(D) Recent secondary education:</b> <ul style="list-style-type: none"> <li>◦ Admitted solely on the basis of ATAR (regardless of whether this includes the consideration of adjustment factors such as equity or subject bonus points)</li> </ul>	<5	N/A
<ul style="list-style-type: none"> <li>◦ Admitted where both ATAR and additional criteria were considered (e.g. portfolio, audition, interview, extra test, early offer conditional on minimum ATAR)</li> </ul>	<5	N/A
<ul style="list-style-type: none"> <li>◦ Admitted on the basis of other criteria only and ATAR was <b>not</b> a factor (e.g. special consideration, audition alone, interview, school</li> </ul>	7	87%

marks & recommendation with no minimum ATAR requirement)		
<b>International students</b>	<5	N/A
<b>All students</b>	<b>8</b>	<b>100.0%</b>

**TABLE 2b - Bachelor of Science ATAR PROFILE DATA FOR APPLICANTS ENTERING ON THE BASIS OF RECENT SECONDARY EDUCATION IN SEMESTER 1, 2020 INTAKE**

<b>RECENT SECONDARY EDUCATION - ATAR-based offers</b>	<b>ATAR (Excluding adjustment factors) *</b>	<b>Selection Rank (ATAR plus any adjustment factors) *[only if relevant]</b>
Highest rank to receive an offer	96.40	N/A
Median rank to receive an offer	79.55	N/A
Lowest rank to receive an offer	61.20	N/A

**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 calculation of numbers in cells with less than 5 students

**More information**

For more information on the Bachelor of Science and related double degrees, please call our Prospective Students Office on +61 8 9433 0533 or email [future@nd.edu.au](mailto: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) (<mailto:international@nd.edu.au>).

[admissions.international@nd.edu.au](mailto:admissions.international@nd.edu.au).

**APPLY DIRECT** ↗

## **Need help? Ask Notre Dame**

(08) 9433 0533

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

**Campus:** Fremantle

**Practical Component:** 225 hours

**Loan Scheme:** HECS-HELP

**Study mode:** On Campus

**Code:** Program Code 3555, CRICOS Code 045168D

**Commencement:** Semester 1 or Semester 2

[APPLY DIRECT NOTREDAME.EDU.AU](#)