THE UNIVERSITY OF NOTRE DAME AUSTRALIA

Program Code: 3555
CRICOS Code: 045168D

PROGRAM REQUIREMENTS:

Bachelor of Science

BSc

Responsible Owner:	National Head of School of Arts & Sciences
Responsible Office:	Faculty of Arts, Sciences, Law and Business
Contact Officer:	National Manager, Enrolments, Fees & Student Administration
Effective Date:	1 July 2026

THE UNIVERSITY OF NOTRE DAME AUSTRALIA

1 TABLE OF CONTENTS

2 AMENDMENTS

Amendments to these requirements will be made in accordance with the General Regulations.

Version	Date Amended	Amendment Details	Approved by
1	July 2018	New Program introduced	Dean
2	January 2019	Regulations transferred to new template	PVCA
3	October 2020	Amendments to Majors/Minors	Dean
4	January 2021	Program description added	PCAC EO
5	November 2022	Amendments to course titles	NHOS
6	January 2022	New Minor added	NHOS
7	January 2023	Amendments to Core Curriculum courses	NHOS
8	December 2023	Amendment to Human & Medical Science stream courses Amendment to Appendix D (English Literature Minor) Amendment to Appendix E course list	NHOS
9	April 2024	Discontinuation of HIST1000. Replaced with HIST1002	NHOS
10	April 2024 May 2024	Amendment to Archaeology Major Amendment to English Literature Minor	Faculty Board Academic Council
11	April 2025	Discontinuation of Data Analytics minor	Academic Council
12	February 2026	Amendments to English Literature & Philosophy majors/minors	Faculty Board
13	July 2026	Amendment to the program structure, majors and minors	Academic Council

3 PURPOSE

These Program Requirements set out the approved requirements for the Bachelor of Science.

4 OVERVIEW

4.1 Campus Availability
The Bachelor of Science has been approved for delivery on the Fremantle campus.

4.2 Student Availability
The Bachelor of Science is available for enrolment to domestic Students and international Students with a student visa.

4.3 Australian Qualifications Framework
The Bachelor of Science is accredited by the University as a Level 7 AQF qualification.

4.4 Duration
(i) The Volume of Learning for the Bachelor of Science is three (3) years of equivalent full-time study.

(ii) An option to complete this Program part-time is available.

(iii) An accelerated option to complete the Program is not available.

4.5 Maximum Duration
The maximum period of time within which a student is permitted to complete the Bachelor of Science is eight (8) years (including any periods of approved leave of absence) from the date on which they were first accepted into the program by the University.

4.6 Study Mode
The Bachelor of Science is offered in Internal Study mode.

4.7 Professional Accreditation
There are no professional accreditation requirements applicable to this Program.

5 ENTRY REQUIREMENTS

5.1 University Admission Requirements
To be eligible for admission to The University of Notre Dame Australia, all applicants must meet the University's minimum requirements for admission. The requirements for admission are detailed in the University's Policy: *Admissions.*

5.2 Specific Program Requirements for Admission
There are no further requirements for Admission to this Program.

6 PRACTICUM OR INTERNSHIP REQUIREMENTS

6.1 Students are required to complete SCIE3900 Science Internship that includes an industry placement of at least 225 hours.

7 PROGRAM REQUIREMENTS

7.1 Program Description

The Bachelor of Science offers a qualification grounded in the scientific pursuit of knowledge and understanding and delivered as a contemporary package that caters for the breadth of emerging careers in our rapidly changing world. A liberal and interdisciplinary approach to science education is coupled with flexibility, such that students can follow their interests while acquiring professionally relevant and transferable knowledge and skills. At the centre of the program is a focus on the development of fundamental skills in systematic and reproducible investigation, data analysis, critical thinking, problem solving and effective communication. Across the program, theory and practice are integrated through the use of diverse learning settings, from the laboratory and field to industry contexts. This preparation builds confidence, independence and self-directed learning that broadens opportunities for graduates in the private, government and not-for-profit sectors and opens pathways to postgraduate research.

7.2 Program 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 interaction between science and society and evaluate how different ways of knowing, including Indigenous knowledge systems, contribute to the practice and application of science
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.
6. 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.
8. 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.

7.3 Required Courses

To be eligible for the award of Bachelor of Science students must complete a minimum of 600 Units of Credit, which include the following required and elective courses. See Appendix A for details.

- 50 Units of Credit from two (2) Core Curriculum Courses
- 150 Units of Credit from six (6) Prescribed compulsory Science Courses
- 200 Units of Credit from eight (8) Courses to complete a Science major
- 200 Units of Credit from elective Courses

7.4 Elective Courses

Students may use 200 credit points of elective courses to complete **one** of the following options:

- A second Major (refer to Section 7.8)
- One Minor (six (6) courses) plus two (2) general elective courses (refer to Appendix B)
- Two (2) Specialisations (refer to Section 7.10)
- One (1) Specialisation (refer to Section 7.10) plus four (4) general elective courses
- Eight (8) general elective courses

Note:
Elective courses may be chosen from any undergraduate courses offered across the University, provided that all prerequisite and corequisite requirements are met. Students undertaking general electives **must** have permission from the Program Coordinator before enrolling any general elective course.

7.5 First-Year Courses

Students may not complete more than ten (10) 1000-level Courses in this Program, including those credited by Advanced Standing.

7.6 Honours

The Bachelor of Science is offered with Honours. Details are available in the Bachelor of Science (Honours) Program Requirements.

7.7 Course substitutions

Course substitutions must be approved by the Head of School or delegate.

7.8 Majors

Compulsory Science Courses may be used toward the completion of the following **Science majors**:

- Archaeology
- Environmental Biology
- Environmental Management

In addition, Compulsory Science Courses and/or the remaining eight (8) elective courses within the Program may be used to complete:

- a **second Science major**; or
- a **non-Science major** offered by the Faculty of Arts, Sciences, Law and Business, subject to Program Requirements and availability.

Recommended options for a second Science major include:

- Archaeology
- Environmental Biology
- Environmental Management
- Artificial Intelligence
- Data Science
- Mathematics

The **Required Courses and approved Electives** for each Science major are detailed in **Appendix A** of these Program Requirements.
For all other major structures offered by the Faculty of Arts, Sciences, Law and Business, students should refer to the relevant **Program Requirements** for the degree in which the major is offered; and/or consult the School's webpage listing approved majors, minors and specialisations.

7.9 Minors

Students may complete **one (1) Science minor** selected from the list below, or **one (1) non-Science minor** offered by the Faculty of Arts, Sciences, Law and Business, using six (6) of the remaining eight (8) elective courses within the Program.

Available Science minor options include:

- Archaeology
- Environmental Biology
- Environmental Management

The **Required Courses and approved Electives** for each Science minor are detailed in **Appendix B**.
For all other minor structures, students should refer to the relevant **Program Requirements** where the minor is offered and/or consult the School's webpage listing approved majors, minors, and specialisations.

7.10 Specialisation

The following Specialisations are available within the School of Arts and Sciences and may be undertaken as an option to use 100 credit points, in accordance with Section 7.4:

- Artificial Intelligence
- Data Science
- Cyber Security

Note:
Other Specialisations offered across the University may be approved for inclusion in this program, provided requirements are met and permission is granted by the Program Coordinator.

8 DEFINITIONS

For the purpose of these Requirements, the following terms are defined in the General Regulations:

- Leave of Absence
- Major
- Units of Credit
- Pre-requisite Course
- Minor
- Elective
- Co-requisite Course
- General Elective

END OF REQUIREMENTS

APPENDIX A: Program Plan Bachelor of Science (including Majors)

Students must complete the following Courses:	**Units of Credit**
Core Curriculum:	**50**
CORE1000 Foundations of Wisdom	
Any approved Core Curriculum elective	
Compulsory Science Courses:	**150**
ABOR1000 Aboriginal People	
HLTH3014 Data Analysis and Experimental Design	
SCIE1000 Introduction to Chemistry	
SCIE1001 Fundamentals of Science, Research and Communication	
SCIE3350 Directed Science Research	
SCIE3900 Science Internship	
Courses to form one (1) of the following Science MAJORS:	**200**
Archaeology	
Students complete these FIVE (5) courses:	
ARCL1020 Introduction to Archaeology	
ARCL1030 Reading the Past: Interpretation from Archaeology	
ARCL3020 The Archaeology of Indigenous Australia	
ARCL3030 Unearthing the Past: The History and Archaeology of Western Australia	
ARCL3040 Archaeology Field Methods	
Students complete ONE (1) of:	
ABOR1000 Aboriginal People OR;	
ENVR1110 Physical Geography: Climates, Geology and Soils	
Students complete ONE (1) of:	
ARCL2010 Maritime Archaeology: Ships and Harbours	
ENVR2330 Australian Ecology: from Theory to Practice	
HIST2002 Ancient Worlds	
Students complete ONE (1) of:	
ARTS3002 Internship or Professional Project	
ARTS3800 Special Project OR ARTS3850 Directed Individual Study	
ENVR3290 Geographic Information Systems	
Environmental Biology	
Students complete these SEVEN (7) courses:	
BIOL1150 Introduction to Biological Science	
BIOL1250 Molecular and Cell Biology	
BIOL2100 Animal Diversity	
BIOL2260 Plant Diversity	
BIOL3000 Adaptations for Survival in the Australian Environment	
BIOL3250 Aquatic Science	
ENVR2330 Australian Ecology: from Theory to Practice	
Students complete ONE (1) of:	
ARTS3800 Special Project OR ARTS3850 Directed Individual Study	
ENVR3290 Geographic Information Systems	
ENVR3310 Environmental Impact Assessment and Planning	

Environmental Management	
Students complete these SIX (6) courses:	
ENVR1110 Physical Geography: Climates, Geology and Soils	
ENVR2330 Australian Ecology: from Theory to Practice	
ENVR2520 Natural Resource Management	
ENVR3310 Environmental Impact Assessment and Planning	
ENVR3110 Coastal Processes and Planning	
ENVR3290 Geographic Information Systems	
Students complete ONE (1) of:	
ARCL1020 Introduction to Archaeology	
BIOL1150 Introduction to Biological Science	
Students complete ONE (1) of:	
ARCL3020 The Archaeology of Indigenous Australia	
ARCL3040 Archaeology Field Methods	
ARTS3800 Special Project OR ARTS3850 Directed Individual Study	
BIOL3000 Adaptations for Survival in the Australian Environment	
BIOL3250 Aquatic Science	
ENVR3200 Understanding Sustainable Development Practices	
Elective Courses	**200**
Eight (8) elective courses which may be used to form a second major or minor.	
Total Units of Credit	**600**

APPENDIX B: Requirements for Science Minor

Students must complete the following Courses:	**Units of Credit**
Courses to form one (1) of the following Science MINORS:	**150**
Archaeology	
Students complete these FOUR (4) courses:	
ARCL1020 Introduction to Archaeology	
ARCL1030 Reading the Past: Interpretation from Archaeology	
ARCL3030 Unearthing the Past: The History and Archaeology of Western Australia	
ARCL3040 Archaeology Field Methods	
Students complete ONE (1) of:	
ARCL2010 Maritime Archaeology: Ships and Harbours	
ENVR2330 Australian Ecology: from Theory to Practice	
HIST2002 Ancient Worlds	
Students complete ONE (1) of:	
ARCL3020 The Archaeology of Indigenous Australia	
ARTS3002 Internship or Professional Project	
ARTS3800 Special Project OR ARTS3850 Directed Individual Study	
SCIE3290 Geographic Information Systems	
Environmental Biology	
Students complete these SIX (6) courses:	
BIOL1150 Introduction to Biological Science	
BIOL2100 Animal Diversity	
BIOL2260 Plant Diversity	
BIOL3000 Adaptations for Survival in the Australian Environment	
BIOL3250 Aquatic Science	
ENVR2330 Australian Ecology: from Theory to Practice	
Environmental Management	
Students complete these FIVE (5) courses:	
ENVR1110 Physical Geography: Climates, Geology and Soils	
ENVR2330 Australian Ecology: from Theory to Practice	
ENVR2520 Natural Resource Management	
ENVR3310 Environmental Impact Assessment and Planning	
ENVR3290 Geographic Information Systems	
Students complete ONE (1) of:	
BIOL3000 Adaptations for Survival in the Australian Environment	
BIOL3250 Aquatic Science	
ENVR3200 Understanding Sustainable Development Practices	
ENVR3110 Coastal Processes and Planning	