

COURSE PLANNER

Bachelor of Science (Environmental Science)

BA-SCENV2

Semester 1 | 2026

Recommended Sequence

Units are listed on your Course Planner in a recommended sequence. However, this can be amended depending on unit availability, unit progression, timetabling and the semester in which you commenced your course.

SPINE

Year One

Semester 1 | Feb/Mar 2026

| | | |
|----------|--|-------------------------------------|
| BIO10001 | Concepts of Biology | Nil |
| CHE10001 | Chemistry 1 | VCE 3 and 4 Chemistry or equivalent |
| PHY10001 | Energy and Motion | Nil |
| STA10003 | Foundation of Statistics | Nil |
| MPU3272 | Integrity and Anti-Corruption (Malaysian and International Students) | Nil |

Winter Term | June 2026 (Optional)

| | | |
|----------------------------|--|------------|
| MPU3212 | Bahasa Kebangsaan A (Malaysian students who do not have SPM Bahasa Melayu credit) | Nil |
| BUS30025 OR INB20009 | Social Innovation Project (Subject to unit availability) Global and Digital Marketplaces Project (Subject to unit availability) | Nil Nil |

Semester 2 | Aug/Sept 2026

| Unit Code | Unit Name | Pre-requisites |
|-----------|--|---|
| NPS10003 | Sustainability Challenges in Science | Nil |
| MTH10010 | Essential Mathematics | MTH00007 or MTH00004 or VCE Maths or equivalent |
| CHE10005 | Consumer Chemistry | CHE10001 or CEE20005 or equivalent |
| PEH20004 | Built and Sustainable Communities | Nil |
| MPU3192 | Philosophy and Current Issues (Malaysian and International Students) | Nil |

Summer Term | January 2027 (Optional)

| | | |
|----------|--|-----|
| MKT10009 | Marketing and the Consumer Experience (Subject to unit availability) | Nil |
| ECO10005 | Economics for Business Decision (Subject to unit availability) | Nil |

Year Two

Semester 3 | Feb/Mar 2027

| | | |
|-----------------|---|------------------------------------|
| BIO20002 | The Microbial World | BIO10001 |
| PEH20002 | Food Science | CHE10001 or CEE20005 or equivalent |
| SOC10005 | Environment and Society: Problems and Solutions (Recommended 2025, 2027 only) | Nil |
| BCH20002 | Introduction to Biochemistry | BIO10001 and CHE10001 |
| MPU3182 [OR] | Penghayatan Etika dan Peradaban (Malaysian Students Only) | Nil |
| MPU3142 | Malay Language Communication 2 (International Students Only) | Nil |

Winter Term | June 2027 (Optional)

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|--|---|
| NPS20008 or other electives Optional | - Completing WIL as an exemption to 2 electives - Students need to complete at least 12 units to enrol - WIL placement can be taken in Year Three |
|--|---|

Semester 4 | Aug/Sept 2027

| Unit Code | Unit Name | Pre-requisites |
|-----------|--|---|
| NPS20011 | Societal Challenges in Science | NPS10001 Introduction to e-Science or NPS10003 Sustainability Challenges in Science |
| PEH20006 | Water Science | CHE10001 or CEE20005 or equivalent |
| BIO20008 | Introduction to Tropical Ecology (2026, 2028..* Subject to availability) | 87.5 credit points of Study |
| BCH20001 | Biochemistry of Genes and Proteins | CHE10001 or CEE20005 and BCH20002 |
| MPU3412 | Service Learning | Nil |

Summer Term | January 2028 (Optional)

| | |
|--|---|
| NPS20008 or other electives Optional | - Completing WIL as an exemption to 2 electives - Students need to complete at least 12 units to enrol - WIL placement can be taken in Year Three |
|--|---|

Year Three

Semester 5 Feb/Mar 2028

| Unit Code | Unit Name | Pre-requisites |
|-----------|--------------------------|---|
| ENV30003 | Environmental Management | 100 credit points |
| ENV30001 | Environmental Biology | CHE10001 or CEE20005 and BIO10001, and any of these: CHE10002, BIO20002, BCH20002 |

| | | |
|----------|------------------|-------------------|
| BIO30010 | Natural Products | 150 credit points |
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| | | |
|----------|-----------------------|-----------------------|
| BCH30003 | Advanced Biochemistry | BCH20002 and BCH20001 |
|----------|-----------------------|-----------------------|

Remarks: Student can complete 24 units of study at the end of Semester 5 if completed 4 units from Winter Terms and Summer Terms.

Winter Term | July 2028 (Optional)

| | |
|--|---|
| NPS20008 or other electives Optional | - Completing WIL as an exemption to 2 electives - Students need to complete at least 12 units to enrol - WIL placement can be taken in Year Three |
|--|---|

Semester 6 | Aug/Sept 2028

| | | |
|----------|-----------------------------|-----------------------|
| NPS30004 | Grand Challenges in Science | 225 credit points |
| BIO30005 | Microbes in the Environment | BIO10001 |
| BIO10003 | Concepts of Biotechnology | Nil |
| BIO30004 | Molecular Biotechnology | BCH20002 and BCH20001 |

Notes

To complete your study planner, You will need to complete:

1. 8 core units
2. 8 Second-Major OR
3. 8 electives

Work Integrated Learning Placement

NPS20008: Work Integrated Learning Placement – Science

* An option for students and completing WIL placement is equivalent to two elective units exemption.

* Students need to complete at least 12 units if they want to enrol in WIL placement

* WIL placement can be taken in Year Three

swinburne.edu.my | Last updated 18 November 2026 | BA-SCENV2 Program Planner

How to use your Course Planner

Refer to the below table to help explain what units are required each semester throughout your course. The units in your planner are colour coded to assist you with mapping out your studies.

Course Information

Each unit is equivalent to 12.5 credit points.

To qualify for the award of this course, students must complete 24 units (300 credit points) comprising of:

8 Core Units

100 credit points

A set of compulsory units you MUST complete as part of your Course.

8 Major Units

100 credit points

A structured set of compulsory units in a field of study specific to your Course.

8 Second Major/Elective Units

100 credit points

A Second Major or a combination of Elective units.

A Second Major is a set of 8 units from the selected study area.

An Elective is a standalone unit from any study area.

General Studies/Mata Pelajaran Umum

0 credit points

Compulsory units to complete as a pre-requisite to graduate (see statement below)

Advisable to enrol in Year One

Email ltu@swinburne.edu.my for queries

Work-Integrated Learning Placement

(3 month) – Offer in Winter/Summer Term

25 credit points

An option for students and completing WIL placement is equivalent to two elective units exemption.

Students need to complete at least 12 units if they want to enrol in WIL placement

WIL placement can be taken in Year Three

Email ltu@swinburne.edu.my for queries

All commencing students of Master, Degree, Diploma and Foundation programs will be automatically registered for the Academic Integrity Training Module in the first semester

(Note: Students articulating from Foundation Studies are expected to undertake this unit as a refresher).

There are 4 topics in this online module that are recommended for completion during Week 1-4 of your commencing study period.

At the end of this module, students are required to complete a quiz

comprised of 10 questions and achieve a score of at least 90%.

Ministry of Education requires that all NEW Cohorts pursuing Degree program (International and Malaysian) students must take the MPU units as a prerequisite for the award of their degree.

- Malaysian students: Must take and pass the units as a prerequisite for the award of their degree.
- International students: Must take and pass the units as a prerequisite for the award of their degree.

- International students: Must take and pass the units as a prerequisite for the award of their degree.