

Bachelor of Science



Moreton Bay, Semester 1 2023

Program structure

Required courses (7) 84 units

LFS100 Cell Biology
SCI102 Biodiversity and Ecology
SCI105 Introductory Chemistry
SCI110 Science Research Methods
SCI113 Discovering Science

PLUS select 1 course (12 units) from:

SCI202 Advanced Research Methods and Statistics
ANM203 Statistics with Teeth: Understanding Ecological Data

PLUS select 1 course (12 units) from:

ENS330 K'gari-Fraser Island Field Studies
ENS333 Special Field Studies Topic
SRP301 Special Research Project
WPL310 Workplace Learning I
SCI302 Analytical Sciences

Major and minor courses (12) 144 units ^

Select 12 course (144 units) towards 1 major and 1 minor

Majors

- Biology
- Biotechnology
- Chemistry
- Ecology
- Mathematics

Minors

- Agriculture and Aquaculture
- Biology
- Biochemistry
- Biotechnology
- Chemistry
- Genetics
- Mathematics
- Microbiology
- Sustainability

^ With the approval of the Program Coordinator, students may replace a specified major or minor with a study component deemed to be equivalent commenced or completed at another university or comparable tertiary institution.

Elective courses (5) 60 units

Select 5 elective courses (60 units) from the undergraduate elective course options.

*The number of elective courses may vary depending on the major/minor combinations chosen

Note: Program structures are subject to change. Not all UniSC courses are available on every UniSC campus.

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Study options and teaching period of offer can vary depending on the study location. For full details, visit usc.edu.au.

Total units: 288

Study sequence

Year 1

Semester 1

| COURSE | SEMESTER OF OFFER (MORETON BAY) | UNITS | REQUISITES |
|---------------------------------|------------------------------------|-------|-------------------------------------|
| LFS100 Cell Biology | • Semester 1 | 12 | Anti: SCI103 or LFS101 or LFS103 |
| SCI113 Discovering Science | • Semester 1 | 12 | |
| SCI110 Science Research Methods | • Semester 1, Semester 2 | 12 | Anti: SCI201 or CPH261 |

PLUS select 1 elective course from the undergraduate elective course options.

Semester 2

| COURSE | SEMESTER OF OFFER (MORETON BAY) | UNITS | REQUISITES |
|---------------------------------|------------------------------------|-------|-----------------|
| SCI102 Biodiversity and Ecology | • Semester 2 | 12 | Anti: ENS102 |
| SCI105 Introductory Chemistry | • Semester 1, Semester 2 | 12 | Anti: SCI505 |

PLUS either:

Students completing any of the majors and/or minors below MUST select 2 courses from the following:

Biology Major and/or Minor:

| COURSE | SEMESTER OF OFFER (MORETON BAY) | UNITS | REQUISITES |
|-------------------------|------------------------------------|-------|-------------------------------------|
| LFS112 Human Physiology | • Semester 2 | 12 | Anti: LFS201 or LFS202 or LFS203 |

Ecology Major:

| COURSE | SEMESTER OF OFFER (MORETON BAY) | UNITS | REQUISITES |
|--|------------------------------------|-------|--|
| ANM103 Animal Form, Function and Evolution | • Semester 2 | 12 | Pre: Enrolled in Program SC012, ED112, UC103, SC107, SC201, SB303, SC301, SC320, SB301, SC319 or SA301 |

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Mathematics Major and/or Minor:

| COURSE | SEMESTER OF OFFER (MORETON BAY) | UNITS | REQUISITES |
|------------------------------|------------------------------------|-------|-----------------|
| MTH104 Introductory Calculus | • Semester 2 | 12 | Anti: MTH202 |

Sustainability Minor:

| COURSE | SEMESTER OF OFFER (MORETON BAY) | UNITS | REQUISITES |
|--------------------------------------|------------------------------------|-------|------------|
| SUS101 Foundations of Sustainability | • Semester 1 | 12 | |

OR

Select 2 elective courses from the undergraduate elective course options.

Year 2

Semester 1

Select 2 courses towards your chosen major

PLUS select 1 course towards your chosen minor

PLUS select 1 elective course from the undergraduate elective course options.

Semester 2

Select 2 courses towards your chosen major

PLUS select 1 course towards your chosen minor

PLUS select 1 course from:

| COURSE | SEMESTER OF OFFER (MORETON BAY) | UNITS | REQUISITES |
|---|------------------------------------|-------|---|
| SCI202 Advanced Research Methods and Statistics | • Semester 2 | 12 | Pre: SCI110 or BUS101 Anti: ANM203 |
| ANM203 Statistics with Teeth: Understanding Ecological Data | • Semester 2 | 12 | Pre: SCI110 or BUS101 |

Year 3

Semester 1

Select 2 courses towards your chosen major

PLUS either:

Select 1 course towards your chosen minor

AND 1 elective course from the undergraduate elective course options.

OR

Select 2 courses towards your chosen minor

OR

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Select 2 elective courses from the undergraduate elective course options.

Semester 2

Select 2 courses towards your chosen major

Plus select 1 course from:

| COURSE | SEMESTER OF OFFER (MORETON BAY) | UNITS | REQUISITES |
|---|--|-------|---|
| ENS330 K'gari-Fraser Island Field Studies | • Session 8 | 12 | Pre: (Completion of 192 units and SC1110 and enrolled in SC319, SC316, SC320, SC301, AR397, SC425, SA308, SB301, Biological Science Major, or Biological Science Extended Minor) or by Coordinator Consent |
| ENS333 Special Field Studies Topic | • Sunshine Coast: Session 1, Session 5, Session 7, Session 8 | 12 | Pre: Course Coordinator Consent Required |
| SRP301 Special Research Project | • Sunshine Coast: Session 8, Semester 1, Semester 2 | 12 | Pre: Course Coordinator Consent Required |
| WPL310 Workplace Learning I | • Session 1, Session 5, Session 8, Semester 1, Semester 2 | 12 | Pre: Course Coordinator Consent Required |
| SCI302 Analytical Sciences | • Semester 1 | 12 | Pre: CHM202 or CHM210 or LFS251 |

PLUS either:

Select 1 course towards your chosen minor

OR

Select 1 elective course from the undergraduate elective course options.

Program requirements and notes

In order to graduate you must:

- Successfully complete 288 units as outlined in the Program Structure
- Complete no more than 10 introductory level (100 coded) courses

Program notes

- Completing this program within the specified (full-time) duration is based on studying 48 unit points per semester (normally 4 courses) and following the recommended study sequence
- The unit value of all courses is 12 units unless otherwise specified
- It is each student's responsibility to enrol correctly according to your course requisites, program rules and requirements and be aware of the academic calendar dates
- Courses within this program are assessed using a variety of assessment methods which may include essays, seminar presentations, reports, in-class tests and examinations
- As part of your UniSC program, you may apply to Study Overseas to undertake courses with an overseas higher education provider
- Only a full-time study option is available to international students on a Student Visa

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- Refer to the Managing your progression page for help in understanding your program structure, reviewing your progress and planning remaining courses.