

# Associate Degree in Science



Sunshine Coast, Semester 1 2024

## Program structure

Introductory and Developing courses (6) 72 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:  
MTH103 Introduction to Applied Mathematics  
MTH104 Introductory Calculus

Pathway courses (4) 48 units

Select 4 courses for ONE of the following pathways:

### Biology

ENS221 Plant Diversity and Ecology  
ENS222 Terrestrial Vertebrate Diversity and Ecology  
LFS252 Molecular Biology  
LFS261 Microbiology

### Biotechnology

LFS251 Biochemistry  
LFS252 Molecular Biology  
LFS261 Microbiology  
MBT254 Biotechnology: Research to Product

### Chemistry

CHM202 Organic Chemistry  
CHM210 Inorganic Chemistry  
LFS251 Biochemistry  
CHM310 Physical Chemistry

### Ecology

ENS213 Invertebrate Biology and Ecology  
ENS221 Plant Diversity and Ecology  
ENS222 Terrestrial Vertebrate Diversity and Ecology  
ENS282 Coastal and Marine Ecology

### Mathematics

ANM203 Statistics with Teeth: Understanding Ecological Data  
MTH201 Calculus II and Linear Algebra  
MTH212 Discrete Mathematics  
MTH302 Applied Mathematics

Elective courses (6) 72 units\*

Select 6 elective courses from the undergraduate elective course options. Of these electives, 2 must be developing and graduate level (200/300 coded).

[usc.edu.au/sc201](http://usc.edu.au/sc201)

University of the Sunshine Coast | CRICOS Provider Number: 01595D | Correct as at 20 May 2024  
Study options and teaching period of offer can vary depending on the study location. For full details, visit [usc.edu.au](http://usc.edu.au).

\*Students undertaking the Mathematics pathway will substitute one of the electives for MTH103 or MTH104.

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

Total units: 192

## Study sequence

### Semester 1

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

PLUS select 1 course from:

| COURSE                                     | SEMESTER OF OFFER<br>(SUNSHINE COAST) | UNITS | REQUISITES      |
|--|---------------------------------------|-------|-----------------|
| MTH103 Introduction to Applied Mathematics | • Semester 1                          | 12    | Anti:<br>MTH102 |

OR

elective course from the undergraduate elective course options.

### Semester 2

| COURSE                          | SEMESTER OF OFFER<br>(SUNSHINE COAST) | UNITS | REQUISITES      |
|---------------------------------|---------------------------------------|-------|-----------------|
| SCI102 Biodiversity and Ecology | • Semester 2                          | 12    | Anti:<br>ENS102 |
| SCI105 Introductory Chemistry   | • Semester 1, Semester 2              | 12    | Anti:<br>SCI505 |

PLUS select 2 courses from:

| COURSE                       | SEMESTER OF OFFER<br>(SUNSHINE COAST) | UNITS | REQUISITES      |
|------------------------------|---------------------------------------|-------|-----------------|
| MTH104 Introductory Calculus | • Semester 2                          | 12    | Anti:<br>MTH202 |

OR elective courses from the undergraduate elective course options.

[usc.edu.au/sc201](http://usc.edu.au/sc201)

University of the Sunshine Coast | CRICOS Provider Number: 01595D | Correct as at 20 May 2024

Study options and teaching period of offer can vary depending on the study location. For full details, visit [usc.edu.au](http://usc.edu.au).

## Semester 1

Select 2 courses towards your chosen pathway

PLUS select 2 elective courses from the undergraduate elective course options.

## Semester 2

Select 2 courses towards your chosen pathway

PLUS select 2 elective courses from the undergraduate elective course options.

# Program requirements and notes

In order to graduate you must:

- Successfully complete 192 units as outlined in the Program Structure
- Complete no more than 10 introductory level (100 coded).

## Program notes

- It is highly recommended that students consider enrolling in relevant enabling courses
- 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
- Refer to the Managing your progression page for help in understanding your program structure, reviewing your progress and planning remaining courses.