

# Associate Degree in Science



Sunshine Coast, Semester 1 2023

## 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)

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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](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 (SUNSHINE COAST)	UNITS	REQUISITES
LFS100 Cell Biology	• Semester 1	12	Anti: SCI103 or LFS101 or LFS103
SCI110 Science Research Methods	• Semester 1, Semester 2	12	Anti: SCI201 or CPH261
SCI113 Discovering Science	• Semester 1	12	

PLUS select 1 course from:

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

OR

elective course from the undergraduate elective course options.

### Semester 2

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

PLUS select 2 courses from:

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

OR elective courses from the undergraduate elective course options.

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### 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.