

# Bachelor of Biomedical Science



Sunshine Coast, Semester 2 2024

## Program structure

Introductory courses (6) 72 units

HLT140 Think Health  
LFS112 Human Physiology  
LFS122 Human Anatomy  
MLS101 Foundations in Medical Science  
SCI105 Introductory Chemistry  
SCI110 Science Research Methods

Required course from a specified list

Select a total of 12 units from:

LFS100 Cell Biology  
LFS103 Introductory Bioscience

Developing courses (6) 72 units

BIM202 Medical Genetics  
BIM263 Introduction to Pharmacology  
LFS203 Integrated Physiology  
LFS251 Biochemistry  
LFS252 Molecular Biology  
LFS261 Microbiology

Graduate courses (9) 108 units

BIM331 Immunology  
LFS303 Pathophysiology

Required course from a specified list

Select a total of 12 units from:

LFS304 Clinical placement I  
SRP301 Special Research Project  
BIM371 Clinical Embryology  
BIM300 Advanced Professional Skills in Biomedical Science

Minor courses (4) 48 units

Select 1 Minor from: +

- Biotechnology (available at Moreton Bay & Sunshine Coast)
- Clinical Trial Management (available at Moreton Bay only)
- Haematology + (available at Sunshine Coast only)
- Medical Biochemistry (available at Sunshine Coast only)
- Medical Microbiology (available at Sunshine Coast only)
- Medical Science (available at Sunshine Coast only)

+ Students articulating from SC211 Associate Degree in Medical Laboratory Science to SC355 Bachelor of Biomedical Science MUST SELECT the Haematology minor.

Elective courses (4) 48 units

Select a total of 48 units from the undergraduate elective course options.

[usc.edu.au/sc355](http://usc.edu.au/sc355)

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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).

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

Total units: 288

## Study sequence

Important note: only students who have completed the Associate Degree in Medical Laboratory Science (2023 and prior) at USC and have been approved for 16 courses credit into the Bachelor of Biomedical Science are eligible to follow this Study Plan.

### Semester 2

| COURSE                              | SEMESTER OF OFFER<br>(SUNSHINE COAST) | UNITS | REQUISITES                                                                                                        |
|-------------------------------------|---------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------|
| BIM263 Introduction to Pharmacology | • Semester 2                          | 12    | Pre:<br>LFS201 or LFS203 or (LFS112 and LFS122) or (HLT100 and enrolled in SC395 or SC306)<br><br>Anti:<br>BIM261 |
| BIM202 Medical Genetics             | • Semester 2                          | 12    | Pre:<br>LFS100 or LFS103                                                                                          |

PLUS select 1 course from:

| COURSE                                                    | SEMESTER OF OFFER<br>(SUNSHINE COAST)                     | UNITS | REQUISITES                                                                                                                   |
|-----------------------------------------------------------|-----------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------|
| WPL310 Workplace Learning I                               | • Session 1, Session 5, Session 8, Semester 1, Semester 2 | 12    | Pre:<br>Course Coordinator Consent Required                                                                                  |
| SRP301 Special Research Project                           | • Session 8, Semester 1, Semester 2                       | 12    | Pre:<br>Course Coordinator Consent Required                                                                                  |
| LFS304 Clinical placement I                               | • Session 8, Semester 1, Semester 2                       | 12    | Pre:<br>Course Coordinator Consent Required                                                                                  |
| BIM300 Advanced Professional Skills in Biomedical Science | • Semester 2                                              | 12    | Pre:<br>Students must have completed a minimum of 144 units of study and be enrolled in SC355, SC357, SC385, SC302 or SC301. |
| BIM371 Clinical Embryology                                | • Session 8                                               | 12    | Pre:<br>LFS202 or LFS203 or enrolled in Program SC357                                                                        |

PLUS select 1 graduate level (300 coded) course from:

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| COURSE                            | SEMESTER OF OFFER<br>(SUNSHINE COAST) | UNITS | REQUISITES                                                                                                                         |
|-----------------------------------|---------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------|
| BIM303 Clinical Trials Management | • Session 8                           | 12    | Pre:<br>BIM263 or BIM341                                                                                                           |
| BIM371 Clinical Embryology        | • Session 8                           | 12    | Pre:<br>LFS202 or LFS203 or enrolled<br>in Program SC357                                                                           |
| MBT353 Microbial Pathogenesis     | • Semester 2                          | 12    | Pre:<br>Course Coordinator Consent<br>Required and MBT263 or<br>LFS261 or (MLS200 and<br>enrolled in UB001)<br><br>Anti:<br>MEP351 |
| SCI302 Analytical Sciences        | • Semester 1                          | 12    | Pre:<br>CHM202 or CHM210 or LFS251                                                                                                 |

#### Semester 1

| COURSE                          | SEMESTER OF OFFER<br>(SUNSHINE COAST) | UNITS | REQUISITES                                                                                                                                                                                                                                                |
|---------------------------------|---------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BIM331 Immunology               | • Semester 1                          | 12    | Pre:<br>LFS202 or LFS203 or (LFS112<br>and enrolled in Program SC301,<br>SB301, SA301, SA308, SE303<br>or UB001) OR<br><br>Co:<br>LFS203 and enrolled in<br>Program SC357 or SC355<br>(Associate Degree in Medical<br>Laboratory Science pathway<br>only) |
| LFS203 Integrated Physiology    | • Semester 1                          | 12    | Pre:<br>LFS112<br><br>Anti:<br>LFS201 and LFS202                                                                                                                                                                                                          |
| SCI110 Science Research Methods | • Semester 1, Semester 2              | 12    | Anti:<br>SCI201 or CPH261                                                                                                                                                                                                                                 |

PLUS select 1 graduate level (300 coded) course from:

| COURSE                                      | SEMESTER OF OFFER<br>(SUNSHINE COAST) | UNITS | REQUISITES                                      |
|---------------------------------------------|---------------------------------------|-------|-------------------------------------------------|
| BIM341 Biochemical Pharmacology             | • Semester 1                          | 12    | Pre:<br>MBT251 or LFS251<br><br>Anti:<br>MBT351 |
| MBT301 Pharmaceutical and Food Microbiology | • Semester 1                          | 12    | Pre:<br>MBT263 or LFS261                        |

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## 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
- If you have an interest in cellular processes that underpin medical and biomedical sciences, please enrol in LFS100 Cell Biology. If you are interested in a broad overview of sciences that are relevant to healthcare, please enrol in LFS103 Introductory Bioscience.

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

### WIL notes

- This program includes placements in settings that may require COVID-19 vaccination with limited placement in settings that do not require full vaccination.

It is a Queensland Government requirement that students undertaking a placement within a clinical setting are fit tested annually for an approved respirator. Clinical settings include hospitals, residential aged care facilities, residential disability care facilities, prison health services, youth detention health services, community health care settings, and vaccination clinics). If the Fit Testing requirement applies to placement activity within your Program it will appear in your mandatory checks on Sonia Online. In accordance with Australian Standards, you must be clean shaven for your fit test. Facial hair that lies along the sealing surface of a tight-fitting respirator prevents an effective seal. Therefore, it is a requirement that there is no hair growth between the skin and the facepiece sealing surface in order to achieve a fit. At this stage, there is no exemption in Queensland to this requirement for religious or other reasons and USC is unable to waive this requirement.

- For more information on mandatory requirements refer to Biomedical Science - Clinical Placement.