

# Bachelor of Biomedical Science (Accelerated)



Sunshine Coast, Semester 1 2024

## Program structure

Introductory courses (7) 84 units

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

PLUS select 1 course from:

LFS100 Cell Biology  
LFS103 Introductory Bioscience

Developing and Graduate courses (9) 108 units

BIM202 Medical Genetics  
BIM263 Introduction to Pharmacology  
BIM331 Immunology  
LFS203 Integrated Physiology  
LFS251 Biochemistry  
LFS252 Molecular Biology  
LFS261 Microbiology  
LFS303 Pathophysiology

PLUS select 1 course from:

BIM300 Advanced Professional Skills in Biomedical Science  
BIM371 Clinical Embryology  
WPL310 Workplace Learning I  
LFS304 Clinical placement I  
SRP301 Special Research Project

Minor courses (4) 48 units

Complete the following Minor (48 units)

- Medical Science

Elective courses (4) 48 units

Select 4 elective courses (48 units) from the undergraduate elective course options. Of the electives, 1 (12 units) must be developing or graduate level (200/300 coded).

Recommended elective courses for Session 8, Year 1 include:

SRP301 Special Research Project  
SRP321 Special Research Project  
WPL310 Workplace Learning I  
WPL320 Workplace Learning II

Recommended electives courses for Session 8, Year 2 include:

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BIM303 Clinical Trials Management  
BIM371 Clinical Embryology  
SRP301 Special Research Project  
SRP321 Special Research Project  
WPL310 Workplace Learning I  
WPL320 Workplace Learning II

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

Total units: 288

## Study sequence

- Students will normally enrol in five (5) courses in each semester (60 units), as well as completing additional courses over Session 8, to enable completion of the BBiomedSc(Accel) program in 2-years. However, students may enrol in up to 72 units on the recommendation of their mentor, and with the approval of the Program Coordinator

### Semester 1

| COURSE                                | SEMESTER OF OFFER<br>(SUNSHINE COAST) | UNITS | REQUISITES  |
|---------------------------------------|---------------------------------------|-------|---|
| MLS101 Foundations in Medical Science | • Semester 1                          | 12    | Pre:<br>Enrolled in Program SC211,<br>SC355, SC357, SC385, SC201,<br>SC301 or UB001 |
| SCI105 Introductory Chemistry         | • Semester 1, Semester 2              | 12    | Anti:<br>SCI505   |
| SCI110 Science Research Methods       | • Semester 1, Semester 2              | 12    | Anti:<br>SCI201 or CPH261   |
| HLT140 Think Health                   | • Semester 1                          | 12    |   |

PLUS select 1 course from:

| COURSE                         | SEMESTER OF OFFER<br>(SUNSHINE COAST) | UNITS | REQUISITES   |
|--------------------------------|---------------------------------------|-------|--|
| LFS100 Cell Biology            | • Semester 1                          | 12    | Anti:<br>SCI103 or LFS101 or LFS103  |
| LFS103 Introductory Bioscience | • Semester 1, Semester 2              | 12    | Pre:<br>The online course offering is not<br>available to students enrolled in<br>a Bachelor of Nursing or<br>Bachelor of Midwifery due to<br>external accreditation.<br><br>Anti:<br>LFS100 |

### Semester 2

| COURSE                  | SEMESTER OF OFFER<br>(SUNSHINE COAST) | UNITS | REQUISITES |
|-------------------------|---------------------------------------|-------|------------|
| LFS112 Human Physiology | • Semester 2                          | 12    | Anti:      |

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|  |              |    |   |
|--|--------------|----|---|
|  |              |    | LFS201 or LFS202 or LFS203  |
| LFS122 Human Anatomy                               | • Semester 2 | 12 |   |
| LFS252 Molecular Biology                           | • Semester 2 | 12 | Pre:<br>LFS100 or (LFS103 and<br>enrolled in Program SE303,<br>AE304, SC355, SC357 or<br>SC354) |
| CHM202 Organic Chemistry                           | • Semester 2 | 12 | Pre:<br>SCI105 or SCI505<br><br>Anti:<br>CHM502   |
| SCI202 Advanced Research Methods and<br>Statistics | • Semester 2 | 12 | Pre:<br>SCI110 or BUS101<br><br>Anti:<br>ANM203   |

#### Session 8 (24 units)

Select 2 elective courses from the undergraduate elective course options.

#### 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  |
| LFS251 Biochemistry          | • Semester 1                          | 12    | Pre:<br>SCI105 and (LFS100 or<br>LFS103)<br><br>Anti:<br>MBT251   |
| LFS261 Microbiology          | • Semester 1                          | 12    | Pre:<br>SCI103 or LFS100 or LFS103<br><br>Anti:<br>MEP263 or MBT263   |
| LFS303 Pathophysiology       | • Semester 1                          | 12    | Pre:<br>(LFS201 and LFS202) or<br>LFS203 or   |

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Co:  
LFS201 or LFS203 and enrolled  
in Program SC357

Anti:  
LFS302 or NUR221 or PAR221  
or HLT221

## Semester 2

| COURSE                              | SEMESTER OF OFFER<br>(SUNSHINE COAST) | UNITS | REQUISITES  |
|-------------------------------------|---------------------------------------|-------|---|
| BIM202 Medical Genetics             | • Semester 2                          | 12    | Pre:<br>LFS100 or LFS103  |
| BIM263 Introduction to Pharmacology | • Semester 2                          | 12    | Pre:<br>LFS201 or LFS203 or (LFS112<br>and LFS122) or (HLT100 and<br>enrolled in SC395 or SC306)<br><br>Anti:<br>BIM261 |
| LFS262 Medical Microbiology         | • Semester 2                          | 12    | Pre:<br>MBT263 or LFS261 or MEP263<br><br>Anti:<br>MEP252 or MEP253 or<br>MBT253  |
| MLS211 Medical Biochemistry         | • Semester 2                          | 12    | Pre:<br>LFS251  |

## PLUS Select 1 course from:

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

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|                            |             |    |  |
|----------------------------|-------------|----|--|
| BIM371 Clinical Embryology | • Session 8 | 12 | SC357, SC385, SC302 or SC301.<br>Pre:<br>LFS202 or LFS203 or enrolled in Program SC357 |
|----------------------------|-------------|----|--|

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Session 8 (24 units)

Select 2 elective courses from the undergraduate elective course options.

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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 (100 coded) courses

### Program notes

- 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
- Students must progress in a full-time mode in accordance with the requirements set out by the BBiomedSc(Accel) program and complete the program in 2-years
- Students will be transferred to the standard Bachelor of Biomedical Science program if they (1) decide to move to part-time enrolment; (2) are unable to maintain the high course workload associated with the accelerated program; or (3) are unable to maintain a GPA of 5.5 or better each semester.
- Students will normally enrol in five (5) courses in each semester (60 units), as well as completing additional courses over Session 8, to enable completion of the BBiomedSc(Accel) program in 2-years. However, students may enrol in up to 72 units on the recommendation of their mentor, and with the approval of the Program Coordinator
- Where there are exceptional unforeseen circumstances such as in the case of illness, students must apply for special dispensation to the Program Coordinator
- 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.

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