

# Bachelor of Medical Science



Sunshine Coast, Semester 1 2022

## Program structure

### Introductory courses (7) 84 units

**LFS100** Cell Biology  
**LFS112** Human Physiology  
**LFS122** Human Anatomy  
**MLS101** Foundations in Medical Science  
**PUB112** Public Health Foundations  
**SCI105** Introductory Chemistry  
**SCI110** Science Research Methods

### Developing and Graduate courses (15) 180 units

**BIM202** Medical Genetics  
**BIM263** Introduction to Pharmacology  
**BIM331** Immunology  
**CHM202** Organic Chemistry  
**LFS203** Integrated Physiology  
**LFS251** Biochemistry  
**LFS261** Microbiology  
**LFS262** Medical Microbiology  
**LFS303** Pathophysiology  
**MED202** Communication Skills for Medicine  
**MED301** Integrated Medical Science  
**MLS211** Medical Biochemistry  
**NUR222** Health, Law and Ethics  
**PUB361** Epidemiology and Biostatistics  
**SPX201** Functional Anatomy

### Specified electives (2) 24 units

Select 2 courses (24 units) from:

**BIM303** Introduction to Clinical Trial Coordination  
**BIM341** Biochemical Pharmacology  
**BIM371** Clinical Embryology  
**CHM311** Medicinal Organic Chemistry  
**MBT301** Pharmaceutical and Food Microbiology  
**MBT353** Microbial Pathogenesis  
**MBT361** Applied Microbiology and Biotechnology  
**SRP301** Special Research Project  
**SRP321** Special Research Project  
**WPL310** Workplace Learning I  
**WPL320** Workplace Learning II

\*a GPA of at least 5.00 and a minimum pass grade required for entry to Doctor of Medicine

Total units: 288

## Study sequence

[usc.edu.au/sc385](http://usc.edu.au/sc385)

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## Year 1

### Semester 1

COURSE	SEMESTER OF OFFER (SUNSHINE COAST)	UNITS	REQUISITES
<b>MLS101</b> Foundations in Medical Science	• Semester 1	12	Pre: Enrolled in Program AB101, SC211, SC355, SC357, SC385, SC201, SC301, UU301, UU302 or XU301
<b>LFS100</b> Cell Biology	• Semester 1	12	Anti: SCI103 or LFS101 or <b>LFS103</b> .
<b>SCI105</b> Introductory Chemistry	• Semester 1, Semester 2	12	Anti: SCI505
<b>SCI110</b> Science Research Methods	• Semester 1, Semester 2	12	Anti: SCI201 or CPH261

### Semester 2

COURSE	SEMESTER OF OFFER (SUNSHINE COAST)	UNITS	REQUISITES
<b>CHM202</b> Organic Chemistry	• Semester 2	12	Pre: <b>SCI105</b> or SCI505  Anti: CHM502
<b>LFS112</b> Human Physiology	• Semester 2	12	Anti: LFS201 or LFS202 or <b>LFS203</b>
<b>LFS122</b> Human Anatomy	• Semester 2	12	
<b>PUB112</b> Public Health Foundations	• Semester 2	12	

## Year 2

### Semester 1

COURSE	SEMESTER OF OFFER (SUNSHINE COAST)	UNITS	REQUISITES
<b>LFS203</b> Integrated Physiology	• Semester 1	12	Pre: <b>LFS112</b>  Anti: LFS201 and LFS202
<b>LFS251</b> Biochemistry	• Semester 1	12	Pre: <b>SCI105</b> and ( <b>LFS100</b> or <b>LFS103</b> )  Anti: MBT251
<b>LFS261</b> Microbiology	• Semester 1	12	Pre: SCI103 or <b>LFS100</b> or <b>LFS103</b> or AB101, UU301 or XU301

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<b>SPX201</b> Functional Anatomy	• Semester 1	12	Anti: MEP263 or MBT263  Pre: <b>LFS122</b>
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### Semester 2

COURSE	SEMESTER OF OFFER (SUNSHINE COAST)	UNITS	REQUISITES
<b>BIM202</b> Medical Genetics	• Semester 2	12	Pre: <b>LFS100</b> or <b>LFS103</b>
<b>BIM263</b> Introduction to Pharmacology	• Semester 2	12	Pre: LFS201 or <b>LFS203</b> or ( <b>LFS112</b> and <b>LFS122</b> ) or ( <b>HLT100</b> and enrolled in SC395 or SC306)  Anti: BIM261
<b>NUR222</b> Health, Law and Ethics	• Online: Semester 2	12	Pre: Enrolled in Program SC385, SC391, SC392, SC393, SC335  Anti: <b>PAR222</b>
<b>MED202</b> Communication Skills for Medicine	• Sunshine Coast Health Institute: Session 7	12	Pre: Completed 144 units and enrolled in SC385  Co: <b>NUR222</b>

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### Year 3

#### Semester 1

COURSE	SEMESTER OF OFFER (SUNSHINE COAST)	UNITS	REQUISITES
<b>BIM331</b> Immunology	• Semester 1	12	Pre: LFS202 or <b>LFS203</b> or ( <b>LFS112</b> and enrolled in Program SC301, SB301, SA301, SA308 or SE303) OR  Co: <b>LFS203</b> and enrolled in Program SC357 or SC355 (Associate Degree in Medical Laboratory Science pathway only)
<b>LFS303</b> Pathophysiology	• Semester 1	12	Pre: (LFS201 and LFS202) or <b>LFS203</b> or  Co: LFS201 or <b>LFS203</b> and enrolled

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in Program SC357  
Anti:  
LFS302 or NUR221 or PAR221  
or **HLT221**

**PUB361** Epidemiology and Biostatistics • Semester 1 12 Pre:  
**SCI110**

PLUS select one (1) specified elective course from:

COURSE	SEMESTER OF OFFER (SUNSHINE COAST)	UNITS	REQUISITES
<b>BIM341</b> Biochemical Pharmacology	• Semester 1	12	Pre: MBT251 or <b>LFS251</b>  Anti: MBT351
<b>MBT301</b> Pharmaceutical and Food Microbiology	• Semester 1	12	Pre: MBT263 or <b>LFS261</b>
<b>MBT361</b> Applied Microbiology and Biotechnology	• Semester 1	12	Pre: MBT263 or <b>LFS261</b>  Anti: MBT363 or MBT364
<b>SRP301</b> Special Research Project	• Session 8, Semester 1, Semester 2	12	Pre: Course Coordinator Consent Required.
<b>SRP321</b> Special Research Project	• Session 8, Semester 1, Semester 2	24	Pre: Course Coordinator Consent Required
<b>WPL310</b> Workplace Learning I	• Session 1, Session 5, Session 8, Semester 1, Semester 2	12	Pre: Course Coordinator Consent Required
<b>WPL320</b> Workplace Learning II	• Session 1, Session 5, Session 8, Semester 1, Semester 2	24	Pre: Course Coordinator Consent Required

## Semester 2

COURSE	SEMESTER OF OFFER (SUNSHINE COAST)	UNITS	REQUISITES
<b>LFS262</b> Medical Microbiology	• Semester 2	12	Pre: MBT263 or <b>LFS261</b> or MEP263  Anti: MEP252 or MEP253 or MBT253
<b>MED301</b> Integrated Medical Science	• Sunshine Coast Health Institute: Session 7	12	Pre: <b>LFS303</b> and enrolled in Program SC385
<b>MLS211</b> Medical Biochemistry	• Semester 2	12	Pre: <b>LFS251</b>

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PLUS select one (1) specified elective course from:

COURSE	SEMESTER OF OFFER (SUNSHINE COAST)	UNITS	REQUISITES
<b>BIM303</b> Introduction to Clinical Trial Coordination	• Session 8	12	Pre: <b>BIM263</b> Introduction to Pharmacology.
<b>BIM371</b> Clinical Embryology	• Session 8	12	Pre: LFS202 or <b>LFS203</b> or enrolled in Program SC357
<b>CHM311</b> Medicinal Organic Chemistry	• Semester 2	12	Pre: <b>CHM202</b>
<b>MBT353</b> Microbial Pathogenesis	• Semester 2	12	Pre: MBT263 or <b>LFS261</b>  Anti: MEP351
<b>SRP301</b> Special Research Project	• Session 8, Semester 1, Semester 2	12	Pre: Course Coordinator Consent Required.
<b>SRP321</b> Special Research Project	• Session 8, Semester 1, Semester 2	24	Pre: Course Coordinator Consent Required
<b>WPL310</b> Workplace Learning I	• Session 1, Session 5, Session 8, Semester 1, Semester 2	12	Pre: Course Coordinator Consent Required
<b>WPL320</b> Workplace Learning II	• Session 1, Session 5, Session 8, Semester 1, Semester 2	24	Pre: Course Coordinator Consent Required

## Program requirements and notes

In order to graduate you must:

- Successfully complete 288 units as outlined in the Program Structure

### Program notes

- Part-time study NOT AVAILABLE in this program
- Courses within the program incorporate a range of assessment regimes that match the learning outcomes for the course, and also the program. They include the use of assignments, reviews, technical reports, standard and on-line review quizzes, seminar and poster presentations (individual and group), creative project work, research projects and final examinations.
- Students will be required to purchase personal protection equipment (laboratory coat, safety glasses, closed footwear) for use during the practical work at USC. There will be costs associated to the purchase of course text books and readers. Possible cost of travel to clinical sites for students choosing an elective course in work integrated learning.
- 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 students responsibility to enrol correctly according to your course requisites, program rules and requirements and be aware of the academic calendar dates
- Refer to the Managing your progression page for help in understanding your program structure, reviewing your progress and planning remaining courses.
- The Study Overseas Program is not currently available to Medical Science students.

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