

# Bachelor of Biomedical Science



LOCATION	START
Sunshine Coast	Semester 1, Semester 2
Moreton Bay	Semester 1, Semester 2

Gain a comprehensive understanding of how the human body works and what happens when diseases, infections and clinical disorders occur.

In this program you will:

- Develop knowledge and skills for working in applied biomedical industries and medical research
- Study foundations in medical science, cell biology/introduction to bioscience, chemistry, human physiology and anatomy, science research methods, and communication. Later develop in physiology, pathophysiology, biochemistry, microbiology, medical genetics, immunology and pharmacology
- Have the opportunity to link with industry and develop a specific interest in biomedical science by undertaking clinical work placements and special research projects. Placements may be in areas such as hospitals, clinical trial centres, pharmaceutical companies and medical research institutes

## Career opportunities

- Biomedical research and education
- Biodiscovery
- Biotechnology and genetics
- cardiac, respiratory and sleep diagnostics
- Clinical embryology clinical trial coordination
- Communicable disease control
- Drug registration
- International health
- Medical microbiology
- Medical sales and marketing
- Pharmaceuticals
- Scientific writing and publication

## Memberships

Graduates may be eligible to become members of:

- Australian Society for Biotechnology
- Australian Society for Immunology
- Australian Society for Microbiology
- Australian Society for Biochemistry and Molecular Biology
- Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists
- Australian Physiological Society

## CRICOS Code

066285C

## Duration

3 years

Only a full-time option is available to international students on a Student visa. Online programs are not available to Student visa holders.

## Indicative 2022 fees

A\$28,400

Annual fee

A\$85,200

Estimated total fee

Tuition fees are reviewed each calendar year. The fee you must pay for a given teaching period is that which has been approved by USC for the calendar year in which the teaching period commences

## Recommended prior study

English; General Maths, Maths Methods or Specialist Maths; at least one science subject (preferably Chemistry)

## Delivery mode

Blended Learning

## Total courses

24

## Total units

288

## USC program code

SC355

## Program structure

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

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If you were issued a USC Letter of Offer, it will specify your study location and teaching period of offer. 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).

### **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\* of

**LFS100** Cell Biology

**LFS103** Introductory Bioscience

\*If you are intending to complete the Associate Degree in Medical Laboratory Science (SC211) you **MUST** enrol in **LFS100** Cell Biology

### **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:

**WPL310** Workplace Learning I

**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: +

- Medical Microbiology (available at Sunshine Coast only)
- Medical Biochemistry (available at Sunshine Coast only)
- Biotechnology (available at Moreton Bay & Sunshine Coast)
- Clinical Trial Management (available at Moreton Bay only)
- Haematology + (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 4 elective courses (48 units) from the undergraduate elective course options.

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

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