



Understand how  
disease, infection and  
clinical disorders affect the

# human body

## Bachelor of Biomedical Science

In this program, you will gain a comprehensive understanding of how the human body works and what happens when diseases, infections and clinical disorders occur. You will develop the knowledge and skills for working in applied biomedical industries and medical research.

In your first year of study, you will develop your analytical and communication skills, providing a strong foundation for more specialised studies in biomedical science. You will study foundations in medical science, cell biology/introduction to bioscience, chemistry, human physiology and anatomy, science research methods, and communication. You will then develop in key areas including physiology, pathophysiology, biochemistry, microbiology, medical genetics, immunology and pharmacology.

You can also pursue your interests and hone your career opportunities by studying elective courses in clinical and research areas such as molecular biology, biochemical pharmacology, biotechnology, medical microbiology, clinical embryology, haematology and clinical trials coordination.

This program gives you 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.

This program provides you with a strong base if you would like to undertake postgraduate

studies in professional areas such as medicine, dentistry, medical imaging and pharmacy.

### Career opportunities

Graduates are highly trained for employment in areas such as 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; and scientific writing and publication.

### Membership

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.

### LOCATIONS

Sunshine Coast  
Moreton Bay

### CRICOS CODE

066285C

### PROGRAM LENGTH

3 years

### COMMENCE

Semester 1 or Semester 2

### ANNUAL TUITION FEE

A\$28,400

### ESTIMATED TOTAL TUITION FEE

A\$85,200

### MORE INFORMATION

Contact Student Central  
information@usc.edu.au

+61 7 5430 2890

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

University of the Sunshine Coast | CRICOS Provider Number: 01595D | Correct as at 30 October 2020  
Note: Study options and semester of offer can vary depending on the study location. For full details, visit [usc.edu.au](http://usc.edu.au).



Rise, and shine.

## PROGRAM STRUCTURE

### Introductory courses (7) 84 units

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

PLUS select 1\* of

**LFS100** Cell Biology

OR

**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

### 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.

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