



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.

MORE INFORMATION

Contact USC International

study@usc.edu.au

+61 7 5430 2843

usc.edu.au/sc355 | CRICOS code: 066285C

University of the Sunshine Coast | CRICOS Provider Number: 01595D | Correct as at 27 February 2021
Note: Study options and semester of offer can vary depending on the study location. For full details, visit 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.