

Bachelor of Applied Science in Human Biology

(365AE.5)

Please note these are the 2013 details for this course

Domestic students

Selection rank	
Delivery mode	On campus
Location	
Duration	3.0 years
Faculty	Faculty of Science and Technology
Discipline	Academic Program Area - Science
UAC code	368003
English language requirements	None. View IELTS equivalences

International students

Academic entry requirements	To study at UC, you'll need to meet our academic entry requirements and any admission requirements specific to your course. Please read your course admission requirements below. To find out whether you meet UC's academic entry requirements, visit our academic entry requirements page .
-----------------------------	---

[View UC's academic entry requirements](#)

Delivery mode On campus

Location

Duration 3.0 years

Faculty Faculty of Science and Technology

Discipline Academic Program Area - Science

CRICOS code 003166J

English language requirements None.
[View IELTS equivalences](#)

About this course

This course is a flexible general science course that provides a scientific understanding of the structure and function of the human body and how humans interact with their environment. Required units span a wide range of scientific disciplines including biology, chemistry, biochemistry, microbiology, human anatomy and physiology, pathobiology and genetics. In addition to the compulsory units students can choose from a wide variety of approved majors/minors depending on the student's particular interest. Majors/minors are available in a wide range of fields including psychology, biological chemistry, ecology, sports science, sociology, management, computer programming, law and foreign languages. The course is not specifically vocationally oriented but is suitable for a career where a broad general scientific knowledge of the human body is required. The course is also suitable for possible entry into a variety of graduate courses, for example, Medicine, Physiotherapy, Pharmacy, Science teaching. The Human Biology degree program approaches the study of human body from a holistic perspective in an attempt to understand the interrelationships between health and disease. It is the study of the structure and function of the human body and how humans interact with, and respond to their environment. It focuses on developing an understanding of the links between, and the intersections among the many facets of human biology. The course structure includes the study of scientific disciplines including biology, chemistry, biochemistry, microbiology, human anatomy and physiology, pathobiology and genetics, as well as data analysis.

Admission requirements

Normal UC requirements for admission to an undergraduate course.

Additional admission requirements

None.

Assumed knowledge

ACT: Biology and/or Chemistry major(s) plus Mathematical Methods major.NSW: Biology and/or Chemistry and Mathematics.

Periods course is open for new admissions

This course is not open for new admissions.

Credit arrangements

There are currently no formal credit transfer arrangements for entry to this course. Any previous study or work experience will only be considered as part of the application process in accordance with current [course rules](#) and [university policy](#).

Course requirements

Bachelor of Applied Science in Human Biology (365AE) | 72 credit points

Required - 39 credit points as follows

[Expand All](#) | [Collapse All](#)

Major in Human Biology: Chemical & Molecular Principles (MJ0053) | 18 credit points

Required - Must pass 12 credit points as follows

Chemistry 1a (1516) | 3 credit points – Level 1

Data Analysis in Science (1809) | 3 credit points – Level 1

Introduction to Microbiology (6510) | 3 credit points – Level 2

Biochemistry (6530) | 3 credit points – Level 2

Restricted Choice - 6 credit points as follows

Part A - Must pass 3 credit points from the following

Nutritional Science 1 (6507) | 3 credit points – Level 3

Integrated Studies of Disease (6517) | 3 credit points – Level 3

Part B - Must pass 3 credit points from the following

Genetics and Genomics (10223) | 3 credit points – Level 2

Major in Human Biology: From Cells to Organism (MJ0050) | 18 credit points

Required - Must pass 15 credit points as follows

Concepts in Biology (483) | 3 credit points – Level 1

Systemic Anatomy and Physiology (6529) | 3 credit points – Level 1

Human Physiology and the Lifecycle (6532) | 3 credit points – Level 3

Advanced Physiology (8373) | 3 credit points – Level 3

Pathobiology (8797) | 3 credit points – Level 3

Restricted Choice - Must pass 3 credit points from the following

Regional Anatomy and Physiology (6534) | 3 credit points – Level 2

Regional Anatomy and Physiology (9808) | 3 credit points – Level 1

Note:

- The unit code for Regional Anatomy and Physiology changed in 2015 and only the newer code is available for enrolment.

Required Units - Must pass 3 credit points as follows

Chemistry 1b (1517) | 3 credit points – Level 1

Restricted Choice - 12 credit points as follows

Part A - Must pass 3 credit points from the following

Human Biochemistry (6518) | 3 credit points – Level 2

Molecular and Cellular Biology (8375) | 3 credit points – Level 2

Part B - Must pass 6 credit points from the following

Immunology (6512) | 3 credit points – Level 3

Biomechanics 1 (6834) | 3 credit points – Level 2

Clinical Microbiology (8027) | 3 credit points – Level 3

Nutrition Across the Lifecycle (8253) | 3 credit points – Level 3

Advanced Functional Anatomy (8279) | 3 credit points – Level 3

Physiology of Exercise 1 (8391) | 3 credit points – Level 2

Motor Control and Skill Acquisition (8913) | 3 credit points – Level 2

Part C - Must pass 3 credit points from the following

Biomechanics 2 (6835) | 3 credit points – Level 3

[Nutrition and Disease \(8255\) | 3 credit points – Level 3](#)

[Nutrition, Society and Health \(8259\) | 3 credit points – Level 3](#)

[Physiology of Exercise 2 \(8392\) | 3 credit points – Level 3](#)

Open Electives - 21 credit points as follows

- Unit Levels: In selecting electives students should note that no more than 30 credit points at Level 1 is permitted for the entire course.

Note:

- Must pass 21 credit points from anywhere in the University, as a major, a minor and/or individual units.

In addition to course requirements, in order to successfully complete your course you must meet the inherent requirements. Please refer to the [inherent requirements statement](#) applicable to your course

Typical study pattern

UC - Canberra, Bruce

Standard Full time, Semester 1 Commencing

Year 1

Semester 1

[Chemistry 1a \(1516\)](#)

Open Elective Unit

MJ0050 Part A Unit

[Concepts in Biology \(483\)](#)

Semester 2

[Chemistry 1b \(1517\)](#)

[Data Analysis in Science \(1809\)](#)

Open Elective Unit

[Systemic Anatomy and Physiology \(6529\)](#)

Year 2

Semester 1

[Biochemistry \(6530\)](#)

Open Elective Unit

[Human Physiology and the Lifecycle \(6532\)](#)

Semester 2

[Introduction to Microbiology \(6510\)](#)

Open Elective Unit

MJ0050 Part B Unit

Restricted Choice Unit

Year 3

Semester 1

Open Elective Unit

Two Restricted Choice Units

[Pathobiology \(8797\)](#)

Semester 2

Restricted Choice Unit

Open Elective Unit

MJ0053 Restricted Choice Unit

Course information

Course duration

Standard six semesters full-time or equivalent. Maximum twenty semesters.

Majors

- [Major in Human Biology: From Cells to Organism \(MJ0050\)](#)
- [Major in Human Biology: Chemical & Molecular Principles \(MJ0053\)](#)

Awards

Award	Official abbreviation
Bachelor of Applied Science	BAppSc

Honours

None.

Enquiries

Student category	Contact details
For advice on aspects of the course, please contact:	Dr Judith Anson Telephone: (02) 6201 2530

Current and Commencing Students

Please contact the University Student Centre by Email student.centre@canberra.edu.au or Phone 1300 301 727

Download your course guide



Scholarships

Find the scholarship that's the right fit for you

Explore Scholarships

Printed on 17, May, 2025

University of Canberra, Bruce ACT 2617 Australia

+61 2 6201 5111

ABN 81 633 873 422

CRICOS 00212K

TEQSA Provider ID: PRV12003 (Australian University)

UC acknowledges the Ngunnawal people, traditional custodians of the lands where Bruce campus is situated. We wish to acknowledge and respect their continuing culture and the contribution they make to the life of Canberra and the region. We also acknowledge all other First Nations Peoples on whose lands we gather.