

# Bachelor of Biomedical Science (264JA.2)

Please note these are the 2019 details for this course

## Domestic students

**Selection rank**

60

**Note:**

The selection rank is the minimum ATAR plus adjustment factors required for admission to the program in the previous year. This is an indicative guide only as ranks change each year depending on demand.

**Delivery mode**

On campus

**Location**

UC Canberra - Bruce Campus

**Duration**

3.0 years

**Faculty**

Faculty of Science and Technology

**Discipline**

Academic Program Area - Science

**UAC code****English language requirements**

An IELTS Academic score of 6.0 overall, with no band score below 6.0 (or equivalent).

[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](#).

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

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**Delivery mode** On campus

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**Location** UC Canberra - Bruce Campus

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**Duration** 3.0 years

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**Faculty** Faculty of Science and Technology

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**Discipline** Academic Program Area - Science

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**CRICOS code** 078920D

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**English language requirements** An IELTS Academic score of 6.0 overall, with no band score below 6.0 (or equivalent).  
[View IELTS equivalences](#)

# About this course

## Your pathway to a productive career in health sciences

Our Bachelor of Biomedical Science gives you a solid understanding of the structure and function of the human body and the interrelationships between health and disease. This is the perfect grounding for a career where broad scientific knowledge of the human body is needed.

## Study a Bachelor of Biomedical Science at UC and you will:

- learn how the human body functions at all levels
- apply your knowledge of health and disease to real life situations
- discover how humans interact with and respond to their environment
- span a wide range of scientific disciplines including biology, chemistry, biochemistry, microbiology, human anatomy and physiology, pathobiology, data analysis and genetics
- enjoy the flexibility of choosing from other electives including psychology, ecology, sports science, sociology, management, computer programming, law and foreign languages.

## Career opportunities

- Hospitals and health clinics

- Pharmaceutical industry
- Government science policy and management
- Therapeutics Goods Administration
- Community-led biomedical and health initiatives

## Work Integrated Learning

Students have the opportunity to take part in collaborative work programs at the Centre for Research in Therapeutic Solutions. These exciting programs aim to develop new drugs by studying the molecular mechanisms of specific diseases in the area of immunotherapeutics.

## Course specific information

High performing students may be eligible to enrol in the Bachelor of Applied Science (Honours) course. Students interested in pursuing careers in medicine, physiotherapy, pharmacy or science education will need to complete further study for accreditation in these fields.

# Admission requirements

Normal UC requirements for admission to an undergraduate course.

## 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 Biomedical Science (264JA) | 72 credit points

**Required - 42 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 6 credit points as follows**

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

Communication in Science (4732) | 3 credit points – Level 1

### **Restricted Choice - 15 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

Introductory Physics (10000) | 3 credit points – Level 1

## **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

## **Part D - Must pass 3 credit points from the following**

Research Project in Applied Science (3) (3238) | 3 credit points – Level 3

Professional Practice in Applied Science (8783) | 3 credit points – Level 3

Science and Innovation (10107) | 3 credit points – Level 3

## **Open Electives - 15 credit points as follows**

- Unit Levels: In choosing electives students should note that not more than 30 credit points at Level 1 is permitted for the entire course.

Note:

- Must pass 15 credit points from anywhere in the University, as a Minor or as 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

[Communication in Science \(4732\)](#)

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

### Semester 2

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

Restricted Choice Unit

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

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

## Year 2

### Semester 1

[Biochemistry \(6530\)](#)

[Regional Anatomy and Physiology \(9808\)](#)

Open Elective Unit

### Semester 2

Open Elective Unit

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

Two Restricted Choice Units

## Year 3

### Semester 1

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

[Pathobiology \(8797\)](#)

Open Elective Unit

Restricted Choice Unit

## Semester 2

Open Elective Unit

Restricted Choice Unit

[Advanced Physiology \(8373\)](#)

[Integrated Studies of Disease \(6517\)](#)

# 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 Biomedical Science	B BiomedicalSc

## Honours

High performing students may be eligible to enrol in the Bachelor of Applied Science (Honours) course.

## Enquiries

Student category	Contact details
Current and Commencing Students	Please contact the University Student Centre by Email <a href="mailto:student.centre@canberra.edu.au">student.centre@canberra.edu.au</a> or Phone 1300 301 727
Prospective International Students	Email <a href="mailto:international@canberra.edu.au">international@canberra.edu.au</a> or Phone +61 2 6201 5342
Prospective Domestic Students	Email <a href="mailto:study@canberra.edu.au">study@canberra.edu.au</a> or Phone 1800 UNI CAN (1800 864 226)

## Download your course guide



# Scholarships

Find the scholarship that's the right fit for you

[Explore Scholarships](#)

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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.