UNIVERSITY OF CANBERRA

Bachelor of Biomedical Science (264JA.3)

Please note these are the 2021 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	Bruce, Canberra
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.

	View UC's academic entry requirements
Delivery mode	On campus
Location	Bruce, Canberra
Duration	3.0 years
Faculty	Faculty of Science and Technology
Discipline	Academic Program Area - Science
CRICOS code	078920D
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

Grow an impressive body of work at UC

If the complexity of human form and function has always fascinated you, then the Bachelor of Biomedical Science will help set you up for a career where broad scientific knowledge of human body, and all its intricacies, is needed. You'll gain a solid understanding of the structure and function of the human body and will be well-versed in the complex interrelationships between health and disease. While the course is very specific to biomedical science and provides a strong grounding in allied health, its flexible nature allows you to select electives from a broad range of science disciplines and beyond. You can choose to study Restricted Choice Units, such as sports science, pre-physiotherapy and human nutrition, allowing you to tailor the course to match your interests or ambitions.

You'll benefit from unique collaboration opportunities with UC's professional teaching staff, who all have extensive experience in medical and biomedical research and are members of UC's prestigious Centre for Research in Therapeutic Solutions. You'll graduate experienced and proficient in medical science laboratory skills, particularly those used in research laboratories, and ready to hit the ground running in your future career in health science.

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
- develop proficiency and experience in biomedical science laboratory skills for application in a wide variety of research laboratories
- enjoy the flexibility of choosing from other electives including psychology, ecology, sports science, sociology, management, computer programming, law and foreign languages.

Work Integrated Learning

WIL is embedded in this course and you'll undertake a range of practical activities designed to prepare you for a sustainable career in medical science, such as exposure to entrepreneurship in science and pitching ideas for funding and patenting, guest lectures by esteemed industry professionals and work placements in an area of biomedical science of particular interest to you. Previous students have undertaken internships with pathology laboratories, federal and ACT government regulatory departments, pharmacies, biotech start-ups, technical support laboratories, companies within the university sector, and bodies including the Office of the Gene Technology Regulator (OGTR), Food Standards Australia New Zealand, Therapeutic Goods Administration, ACT Health and Allied Health Research.

You'll also have the opportunity to take part in collaborative work where you'll team up with one of the research activity academics at UC's Centre for Research in Therapeutic Solutions, or another approved professional institution, to develop a research project and report on its outcomes.

If you'd like to study overseas, summer or winter term internships to a host of international destinations can be applied for, as well as a faculty-led Medical Sciences program in China.

Career opportunities

- Allied health technician
- Biological scientist
- Laboratory technician
- Pathology technician
- Research scientist
- Research officer
- Science educator

Course-specific information

High-achieving 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

Admission to this course is based on an entrance rank. A rank can be achieved by the following means:

- Year 12 ATAR

- other Australian Qualification
- work experience
- overseas qualification

We also offer a number of entry initiatives that give you the opportunity to gain entry to the University via alternate pathway programs and admissions schemes.
More information is available on our Alternative Entry page: http://www.canberra.edu.au/future-students/applications/apply-now/alternative-entry

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

Expand All | Collapse All

Required - 45 credit points as follows

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 9 credit points as follows

Mathematical Methods (577) | 3 credit points — Level 1

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

- 9632 Research Project in Applied Science has replaced 3238. Students who have previously completed 3238 may still count it towards course completion.

Open Electives - 12 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 12 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)

Communication in Science (4732)

Concepts in Biology (483)

Mathematical Methods (577)

Semester 2

Chemistry 1b (1517)

Data Analysis in Science (1809)

Systemic Anatomy and Physiology (6529)

Restricted Choice Unit

Year 2

Semester 1

Biochemistry (6530)

Genetics and Genomics (10223)

Regional Anatomy and Physiology (9808)

Open Elective Unit

Semester 2

Introduction to Microbiology (6510)

Open Elective Unit

Two Restricted Choice Units

Year 3

Semester 1

Human Physiology and the Lifecycle (6532)

Pathobiology (8797)

Open Elective Unit

Restricted Choice Unit

Semester 2

Advanced Physiology (8373)

Integrated Studies of Disease (6517)

Restricted Choice Unit

Open Elective Unit

Course information

Course duration

Standard 3 years full time or part-time equivalent. Maximum 10 years from date of enrolment to date of course completion.

Majors

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

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
Prospective Domestic Students	Email study@canberra.edu.au or Phone 1800 UNI CAN (1800 864 226)
Prospective International Students	Email international@canberra.edu.au or Phone +61 2 6201 5342
Current and Commencing Students	Please contact the University Student Centre by Email estem-courseadvice@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

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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.