

Bachelor of Medical Science (NPB0021)

Please note these are the 2024 details for this course

Domestic students

60

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.

On campus

Bruce, C

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

On campus

Bruce, Canberra

3.0 years

Faculty of Science and Technology

Academic Program Area - Science

106073B

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

[View IELTS equivalences](#)

About this course

Understand the science behind medicine

UC's Bachelor of

- Develop critical thinking and data analysis skills to solve a range of real-world issues on a local and global level for health and disease
- Evaluate current and emerging ethical and cultural issues that arise in medical science
- Select and apply tools to conduct scientific investigations relevant to medical science, while being transferable to a range of disciplines
- Demonstrate the ability to collect scientific data individually and collaboratively, within legal, ethical and social frameworks
- Critically analyse, synthesise and integrate scientific knowledge, literature, data, or arguments for effective communication to a range of audiences.

Work Integrated Learning

Step out of the classroom and into the real-world. Our professional practice units are an integral component of this degree and allow you to conduct real life experiments. Work with the latest technologies and clinical practices in a range of laboratories in industry or government settings, or explore our own labs by undertaking research projects with support from UC researchers.

Career opportunities

The UC Bachelor of Medical Science will help you progress into any of the following career pathways:

- Biological Scientist
- Biotechnologist
- Medical Scientist
- Medical Science Officer
- Reserentist

Professional Orientation (Science) (11718) | 3 credit points — Level 1

Professional Practice 1 (Science) (11719) | 3 credit points — Level 2

Professional Practice 2 (Science) (11720) | 3 credit points — Level 3

Professional Evidence (Science) (11721) | 3 credit points — Level 3

Biological Concepts (11722) | 3 credit points — Level 1

Data Analysis Skills for Science (11723) | 3 credit points — Level 1

Chemical Concepts (11724) | 3 credit points — Level 1

Contextual Physics with Mathematics (11725) | 3 credit points — Level 1

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

Biological Concepts (11722)

Contextual Physics with Mathematics (11725)

Professional Orientation (Science) (11718)

Regional Anatomy and Physiology (9808)

Chemical Concepts (11724)

Data Analysis Skills for Science (11723)

Foundations of Inheritance, Diversity and Evolution (11732)

Systemic Anatomy and Physiology (6529)

Fundamentals of Biochemistry (11733)

Integrated Physiology (11726)

Introduction to Data Science (11372)

Mechanisms of Disease (11727)

Genetics and Genomics (11736)

Infectious Diseases (11730)

Professional Practice 1 (Science) (11719)

Therapeutic Chemistry (11728)

Advanced Genetics and Genomics (11737)

Bioinformatics (11735)

Genetic, Metabolic and Autoimmune Diseases (11731)

Professional Practice 2 (Science) (11720)

Advances in Research in Health and Medicine (11738)

Biochemistry and Metabolism (11734)

Excitable Tissue Physiology (11729)

Professional Evidence (Science) (11721)

Standard Full Time, Semester 2 Commencing

Biological Concepts (11722)

Chemical Concepts (11724)

Professional Orientation (Science) (11718)

Systemic Anatomy and Physiology (6529)

Contextual Physics with Mathematics (11725)

Data Analysis Skills for Science (11723)

Fundamentals of Biochemistry (11733)

Regional Anatomy and Physiology (9808)

Biochemistry and Metabolism (11734)

Foundations of Inheritance, Diversity and Evolution (11732)

Professional Practice 1 (Science) (11719)

Therapeutic Chemistry (11728)

Integrated Physiology (11726)

Introduction to Data Science (11372)

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Professional Practice 2 (Science) (11720)

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Develop critical thinking and data analysis skills to solve a range of theoretical and contemporary real-world problems in local and global contexts, recognising the importance of entrepreneurship, innovation and work-integrated learning.

UC graduates are professional: Employ up-to-date and relevant knowledge and skills; communicate effectively; use creativity, critical thinking, analysis and research skills to solve theoretical and real-world problems; work collaboratively as part of a team, negotiate, and resolve conflict; display initiative and drive, and use their organisational skills to plan and manage their workload; and take pride in their professional and personal integrity.

UC graduates are global citizens: Think globally about issues in their profession; adopt an informed and balanced approach across professional and international boundaries; understand issues in their profession from the perspective of other cultures; communicate effectively in diverse cultural and social settings; make creative use of technology in their learning and professional lives; and behave ethically and sustainably in their professional and personal lives.

UC graduates are lifelong learners: Reflect on their own practice, updating and adapting their knowledge and skills for continual professional and academic development; be self-aware; adapt to complexity, ambiguity and change by being flexible and keen to engage with new ideas; and evaluate and adopt new technology.

UC graduates are able to demonstrate Aboriginal and Torres Strait Islander ways of knowing, being and doing: Use local Indigenous histories and traditional ecological knowledge to develop and augment understanding of their discipline; communicate and engage with Indigenous Australians in ethical and culturally respectful ways; and apply their knowledge to working with Indigenous Australians in socially just ways.

Critically analyse, synthesise and integrate scientific knowledge, literature, data, or arguments for effective communication to a range of audiences.

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UC graduates are professional: Employ up-to-date and relevant knowledge and skills to contribute effectively, use a range of research methods and techniques to investigate and solve problems; demonstrate a commitment to ethical and professional standards; and demonstrate a commitment to social justice and equity. UC graduates are able to demonstrate Aboriginal and Torres Strait Islander ways of knowing, being and doing: Use local Indigenous histories and traditional ecological knowledge to develop and augment understanding of their discipline; communicate and engage with Indigenous Australians in ethical and culturally respectful ways; and apply their knowledge to working with Indigenous Australians in socially just ways.

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Select and apply appropriate practical, conceptual and/or theoretical techniques or scientific tools to conduct scientific investigations relevant to medical science, while being transferable to a range of disciplines.

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Placements requirements

Student may require a police check, working with vulnerable people, current vaccination.

Majors

- [Specialist Major in Medical Science - Pathological Basis of Disease \(SM0081\)](#)
- [Specialist Major in Medical Science - Genetic Basis of Disease \(SM0082\)](#)
- [Core Major in Science \(CM0029\)](#)

Awards

Award	Official abbreviation
Bachelor of Medical Science	B MedSc

Enrolment data

2023 enrolments for this course by location. Please note that enrolment numbers are indicative only and in no way reflect individual class sizes.

Location	Enrolments
UC - Canberra, Bruce	73

Enquiries

Student category	Contact details
Current and Commencing Students	Please contact the University Student Centre by Email student.centre@canberra.edu.au or Phone 1300 301 727

Prospective Students

Please email: study@canberra.edu.au or telephone: 1800 UNI CAN (1800 864 226)

