UNIVERSITY OF CANBERRA

Bachelor of Pharmaceutical Science (131JA.1)

Please note these are the 2017 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	
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.

	View UC's academic entry requirements
Delivery mode	
Location	UC Canberra - Bruce Campus
Duration	3.0 years
Faculty	Faculty of Science and Technology
Discipline	Academic Program Area - Science
CRICOS code	069269A
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

Kick start your career with a pharmaceutical science degree

Study a Bachelor of Pharmaceutical Science at UC and see how the disciplines of chemistry and biology interact in the exciting industry of pharmaceutical science.

Throughout your degree you will gain valuable practical experience in research methods and the professional workplace. Enjoy the flexibility to focus on and specialise in particular areas of interest such as immunology, microbiology, clinical chemistry, forensic toxicology, pharmaceutical biotechnology or advanced physiology.

Study a Bachelor of Pharmaceutical Science at UC and you will:

- acquire an extensive knowledge of human biology and chemistry with a focus on improving human health.
- engage in practical experience in research methods and the workplace
- enjoy the freedom to choose further study in immunology, microbiology, clinical chemistry, forensic toxicology, pharmaceutical biotechnology or advanced physiology.

Work-integrated learning

During your course you will complete a professional practice unit. Students may be required to complete a police check and be fully vaccinated before commencing the placement.

Career opportunities

- Pharmaceutical scientific evaluation
- Research and risk assessment
- Pharmacy – subject to further training and accreditation

Course specific information

Graduates interested in professional accreditation for pharmacy, medicine, physiotherapy or science education will need to complete further study. This degree provides a targeted pathway to the Master of Pharmacy, leading to registration as a pharmacist.

Professional accreditation

Royal Australian Chemical Institute accreditation currently being negotiated.

Admission requirements

Normal UC requirements for admission to an undergraduate course.

Additional admission requirements

Police checks and full vaccination may be required for Professional Practice unit.

Assumed knowledge

ACT Chemistry and Mathematical Methods NSW 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 Pharmaceutical Science (131JA) | 72 credit points

Expand All | Collapse All

Required - 57 credit points as follows

Major in Pharmaceutical Science (MJ0175) | 21 or 24 credit points

For the 21cp Major - Must pass 21 credit points as follows

Required - Must pass 21 credit points as follows

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

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

Biochemistry (6530) | 3 credit points — Level 2

Analytical Chemistry (8043) | 3 credit points — Level 2

Drug Formulation Science (8341) | 3 credit points — Level 2

Introduction to Pharmacology and Toxicology (8342) | 3 credit points — Level 3

Medicinal Chemistry (8343) | 3 credit points — Level 3

For the 24cp Major - Must pass 24 credit points as follows

Required - Must pass 24 credit points as follows

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

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

Biochemistry (6530) | 3 credit points — Level 2

Analytical Chemistry (8043) | 3 credit points — Level 2

Drug Formulation Science (8341) | 3 credit points — Level 2

Introduction to Pharmacology and Toxicology (8342) | 3 credit points — Level 3

Medicinal Chemistry (8343) | 3 credit points — Level 3

Forensic Toxicology and Drug Analysis (8780) | 3 credit points — Level 3

Note:

- Students in the Bachelor of Pharmaceutical Science are only required to complete the 21 credit point version of this Major.

Required Units - Must pass 24 credit points as follows

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

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

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

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

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

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

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

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

Minor in Human Biology (MN0042) | 12 credit points

Required - Must pass 9 credit points as follows

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

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

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

Restricted Choice - 15 credit points as follows

Part A - Must pass 9 credit points from the following

Immunology (6512) | 3 credit points — Level 3

Ecochemistry (6915) | 3 credit points — Level 2

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

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

Biosecurity and Microbial Forensics (8665) | 3 credit points — Level 3

Forensic Toxicology and Drug Analysis (8780) | 3 credit points — Level 3

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

Part B - 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.

Part C - Must pass 3 credit points from the following

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

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)

Drug Formulation Science (8341)

Genetics and Genomics (10223)

MN0042 Restricted Choice Unit

Semester 2

Analytical Chemistry (8043)

Human Biochemistry (6518)

Introduction to Microbiology (6510)

Molecular and Cellular Biology (8375)

Year 3

Semester 1

Human Physiology and the Lifecycle (6532)

Introduction to Pharmacology and Toxicology (8342)

Medicinal Chemistry (8343)

Pathobiology (8797)

Semester 2

Integrated Studies of Disease (6517)

Three Restricted Choice Units

Standard Full-Time, Semester 2 Commencing

Year 1

Semester 2

Data Analysis in Science (1809)

Introductory Physics (10000)

Systemic Anatomy and Physiology (6529)

Restricted Choice Unit

Year 2

Semester 1

Chemistry 1a (1516)

Communication in Science (4732)

Concepts in Biology (483)

Regional Anatomy and Physiology (9808)

Semester 2

Chemistry 1b (1517)

Introduction to Microbiology (6510)

Two Restricted Choice Units

Year 3

Semester 1

Biochemistry (6530)

Genetics and Genomics (10223)

Mathematical Methods (577)

Pathobiology (8797)

Semester 2

Analytical Chemistry (8043)

Human Biochemistry (6518)

Integrated Studies of Disease (6517)

Molecular and Cellular Biology (8375)

Year 4

Semester 1

Drug Formulation Science (8341)

Human Physiology and the Lifecycle (6532)

Introduction to Pharmacology and Toxicology (8342)

Medicinal Chemistry (8343)

Course information

Course duration

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

Learning outcomes

Learning outcomes	Related graduate attributes
To provide a background in chemical and biological sciences and their interaction and the knowledge and skills to keep this knowledge current throughout a professional career.	Graduates will be able to anticipate and define new problems; and identify and resolve new problems in new fields. Generic Skills: Problem Solving: have an understanding of how to apply their knowledge and abilities to many different contexts and fields; Professionalism and Social Responsibility: possess self-knowledge and the ability to assess their own performance critically and accurately; Personal Attributes: Graduates are expected to: a. be independent self-directed learners with the capacity and motivation for lifelong learning; and b. be aware of how they best learn. AQF: Knowledge and Application of knowledge and skills.

To provide the communication and background to prepare graduates for employment in a range of science-based fields and for them to contribute to the workplace.	Generic Skills: Communication: Graduates are expected to be able to: a) express knowledge, ideas and opinions in their professional field, both orally and in written form, with confidence and clarity; b) present arguments and ideas effectively; c) actively listen and respond to the ideas of other people; d) negotiate effectively; e) create and present new ideas, and f) be able to function in a multi-cultural or global environment. Analysis and Inquiry: Graduates are expected to: a. demonstrate entrepreneurial skills including creativity, initiative, adaptability, leadership, resourcefulness; and b. have the ability to initiate new ideas, implement decisions and cope with uncertainty. Working Independently and with Others: Graduates are expected to be able to: a. work with others as part of a group; b. take responsibility for carrying out agreed tasks; c. be aware of the different roles and responsibilities of group members; d. evaluate group performance; e. take initiative and demonstrate leadership; and f. respect the rights of others irrespective of their cultural background, race or gender. Personal Attributes: Graduates are expected to: a. be independent thinkers and agents for change; b. have confidence to challenge existing ideas; c. show commitment to ongoing self-development; d. value and respect differing views; e. be confident in themselves and their own skills and knowledge. AQF: Skills.
To provide an understanding of the social context of professional employment and the responsibilities that entails.	Generic Skills: Professionalism and Social Responsibility: Graduates are expected to: a. act responsibly, ethically and with integrity in the context of their profession and their obligations to society; b. appreciate the social and cultural context of their profession; c. work towards improvement in society; d. understand economic, political, social, and environmental systems with an international perspective; e. act in environmentally sustainable ways; and f. accept service to the community as the primary purpose for professional life. AQF: Application of knowledge and skills.

Majors

- Major in Pharmaceutical Science (MJ0175)
- Minor in Human Biology (MN0042)

Awards

Award	Official abbreviation
Bachelor of Pharmaceutical Science	B PharmaceuticalSc

Honours

High achieving 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 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

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.