

Undergraduate Student Guide

ANU College of Science
ANU College of Health and Medicine



Australian
National
University

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WHY ANU?



Our university

#1 university in Australia¹

#27 university in the world¹



Our students

#1 most employable graduates
in Australia ²

11,000 undergraduate students

5,756 student accommodation
beds on campus

5 star rating for staff-to-
student ratio³



Nobel Prize winners

6 Nobel laureates among our
staff and alumni

1. QS World University Rankings 2022
2. Times Higher Education 2020
3. Good Universities Guide 2021

Disclaimer: Correct at time of print August 2022.

OUR DISCIPLINES

Astronomy & Astrophysics

Astronomy and astrophysics is the study of everything from planets to galaxies to other universes and whatever is in between. Studying it can launch a career with NASA, defence, engineering or even finance.

Study astronomy and astrophysics in any of these degrees:

- **Bachelor of Science**
- **Bachelor of Science (Advanced) (Honours)**
- **Bachelor of Philosophy (Honours) (PhB)**

Biology

Biology students can participate in ground-breaking research in our laboratories, or on fieldtrips around Australia such as in Tasmania or our coastal campus at Kioloa. Our graduates find careers in agricultural biotechnology, genetic counselling, environmental policy, wildlife biology and immunology, just to name a few.

Study biology in any of these degrees:

- **Bachelor of Biotechnology**
- **Bachelor of Genetics**
- **Bachelor of Health Science**
- **Bachelor of Medical Science**
- **Bachelor of Science**
- **Bachelor of Science (Advanced) (Honours)**
- **Bachelor of Philosophy (Honours) (PhB)**

Chemistry

Our chemists are making a difference to our world, by improving the understanding of diseases like Alzheimer's, or the performance of capacitors in our electronic devices like laptops and phones. An understanding of chemistry is critically important for anyone planning a career in science, medicine or engineering.

Study chemistry in any of these degrees:

- **Bachelor of Science**
- **Bachelor of Science (Advanced) (Honours)**
- **Bachelor of Philosophy (Honours) (PhB)**

Earth & Marine Sciences

By bringing together geology, chemistry, physics, mathematics and biology, this discipline is ranked #1 in Australia (QS 2022) helps you understand what shapes our planet and environment. Enter into areas such as climate and ocean science, mineral and petroleum exploration, geoscience, exploratory geology, natural resource management, and environmental monitoring.

Study earth & marine sciences in any of these degrees:

- **Bachelor of Science**
- **Bachelor of Science (Advanced) (Honours)**
- **Bachelor of Philosophy (Honours) (PhB)**

Environment & Sustainability

Finding sustainable solutions to problems such as increase in biodiversity loss, extreme weather events, urbanisation and climate change are more urgent than ever. Work alongside our world-leading researchers at fieldwork sites like Kioloa, Lake George, Kosciuszko National Park, or even across the globe in Vietnam and Fiji.

Study environment & sustainability in any of these degrees:

- **Bachelor of Environment & Sustainability**
- **Bachelor of Environment & Sustainability Advanced (Honours)**
- **Bachelor of Science**
- **Bachelor of Science (Advanced) (Honours)**
- **Bachelor of Philosophy (Honours) (PhB)**

Mathematics

Mathematics is everywhere in science and more sophisticated and innovative mathematical tools are needed in technology and in the community. Graduates are highly valued for their quantitative problem-solving skills, and as technology advances, the need for skills in mathematics is more important than ever.

Study mathematics in any of these degrees:

- **Bachelor of Mathematical Sciences**
- **Bachelor of Science**
- **Bachelor of Science (Advanced) (Honours)**
- **Bachelor of Philosophy (Honours) (PhB)**

Medical & Health Sciences

Our researchers are making medical advances in the fields of immunology, cancer, genomics, neuroscience, mental health, infectious diseases, obesity and metabolic disorders. These researchers are your teachers in medical and health sciences at ANU and you can work alongside them in their active research labs, witnessing breakthroughs as they happen, and gaining critical practical expertise.

Study medical and health sciences in any of these degrees:

- **Bachelor of Biotechnology**
- **Bachelor of Genetics**
- **Bachelor of Health Science**
- **Bachelor of Medical Science**
- **Bachelor of Science**
- **Bachelor of Science (Advanced) (Honours)**
- **Bachelor of Philosophy (Honours) (PhB)**

Physics

ANU is home to Australia's largest university-based physics research institution, with world-class facilities and over 150 physicists, including the team that played a critical role in the detection of gravitational waves — hailed as the biggest scientific breakthrough of the century. Our inclusive teaching environment means you will receive tailored support to pursue your interests.

Study physics in any of these degrees:

- **Bachelor of Science**
- **Bachelor of Science (Advanced) (Honours)**
- **Bachelor of Philosophy (Honours) (PhB)**

Psychology

Psychology is the study of human behaviour, emotion, cognition and wellbeing. Graduates have the skills to understand human motivation and behaviour (people skills), data analytics and statistics (research and data skills).

Study psychology in any of these degrees:

- **Bachelor of Science (Psychology)**
- **bachelor of Psychology (Honours)**
- **Bachelor of Science**
- **Bachelor of Science (Advanced) (Honours)**
- **Bachelor of Philosophy (Honours) (PhB)**
- **Bachelor of Arts**

Science Communication

Whether you enjoy writing, presenting, tweeting, organising big events for thousands of people or ensuring every single one of your patients gets just what they need, studying science communication enhances your communication skills and social awareness. Find work in government, the community sector, industry or the media.

Study science communication in any of these degrees:

- **Bachelor of Science**
- **Bachelor of Science (Advanced) (Honours)**
- **Bachelor of Philosophy (Honours) (PhB)**

OUR DEGREES

Degree name	Description
Bachelor of Biotechnology	Biotechnology is about applying new technologies to agriculture, food and medicine production, and environmental problems in the context of research, industry and the applied health sciences. You will learn the foundations of biology as well as contemporary topics like genetically modified organisms (GMOs), cloning and genetic screening.
Bachelor of Environment & Sustainability	Learn about the scientific and social aspects of environment and sustainability as well as how to translate environmental science into government policy. You will study a combination of theory and methods while enjoying opportunities for field-based learning, hands-on applications and internships.
Bachelor of Environment & Sustainability Advanced (Honours)	This degree gives you the opportunities of the Bachelor of Environment & Sustainability but includes enhanced research-led learning opportunities and offers direct entry into a fourth year of Honours which includes a substantial original research project (thesis).
Bachelor of Genetics	Unravel the mysteries of DNA, understand how genes interact with the environment and how heredity determines the risk of developing certain diseases. This degree will develop your skills in the techniques of genomics, bioinformatics and molecular genetics.
Bachelor of Health Science	There are approximately 60 places available in each intake of the Bachelor of Health Science. Thirty percent of offers made to domestic students are reserved for students from rural backgrounds. This degree also offers a pathway to the postgraduate Doctor of Medicine and Surgery (MChD) at ANU without having to sit the GAMSAT.
Bachelor of Mathematical Sciences	This is an elite, research-focused degree for exceptional students who want to master quantitative problem-solving and mathematical modelling. You can concentrate on theoretical mathematics or applied areas such as mathematical modelling, mathematical finance, mathematical economics, mathematical physics, and quantitative biology.
Bachelor of Medical Science	This structured degree draws on the foundations of medical science including studies in genetics, immunology, nutrition, physiology, microbiology, biochemistry and anatomy. The program will prepare you for further studies in applied biomedical fields and medical research or to explore your interests in other relevant fields.
Bachelor of Philosophy (Honours) (PhB)	The PhB gives intellectually ambitious students the flexibility to focus on research in a range of disciplines – from physics or biology to law or international relations. You will also have a personal academic mentor to guide you through your degree.
Bachelor of Psychology (Honours)	This degree provides a comprehensive overview of the six different areas of psychology (developmental, social, personality, methods, cognition and biological) and applies this knowledge to more specialised areas such as neuroscience, counselling, health and organisational (business) psychology. This degree is for students wanting to specialise in psychology and gain direct entry into a fourth year of Honours research which is required to pursue further study in clinical psychology.
Bachelor of Science	The Bachelor of Science allows you to follow or find your passion. Combine areas of study such as biology and physics, or mathematics and chemistry, or even extend your interests outside science to areas such as languages, business or law. You can choose up to two science majors and you don't have to decide on these until your second year of study.
Bachelor of Science (Advanced) (Honours)	This degree provides the same breadth of opportunities as the Bachelor of Science, with the addition of Honours pathway level courses required to extend your understanding, introduce you to more advanced concepts and introduce a research component to the degree.
Bachelor of Science (Psychology)	This degree provides a comprehensive overview of the six different areas of psychology (developmental, social, personality, methods, cognition and biological) and applies this knowledge to more specialised areas such as neuroscience, counselling, health and organisational (business) psychology. Direct pathway into Honours is not guaranteed.

Duration (full time)	Semester intake	Recommended cut-off		Prerequisites	UAC code	CRICOS code
		ATAR	IB			
3 years	1	80	29	Chemistry [†]	138503	036660M
3 years	1 & 2	80	29		138201	091180D
4 years	1 & 2	90	33		138202	091181C
3 years	1	85	31	Chemistry [†]	138600	064778J
3 years	1	85	31	Successful assessment of suitability based on a supplementary form Some subjects require prior knowledge	138302	094623B
3 years	1	90	33	Advanced mathematics [‡]	138200	086223G
3 years	1	85	31	Chemistry [†]	138403	036662J
4 years	1 & 2	98	40	Submission of a supplementary form and two referee reports	138000	043746B
4 years	1 & 2	90	33		138130	036680G
3 years	1 & 2	80	29	Some subjects require prior knowledge	138003	000335K
4 years	1 & 2	90	33	Some subjects require prior knowledge	138004	065138M
3 years	1 & 2	80	29		138123	047423M

[†] The chemistry bridging course is offered by the ANU Research School of Chemistry: chemistry.anu.edu.au/study/bridging-course

[‡] The mathematics bridging course is offered by the ANU Mathematical Sciences Institute: maths.anu.edu.au/study/bridging-course

BACHELOR OF BIOTECHNOLOGY

Key facts

Minimum entry requirements: 80 ATAR, 29 IB

For further details on admission requirements please see pages 21-26.

Chemistry prerequisite. See page 25 for more information on the bridging course.

Duration: 3 years full-time

Intake: Semester 1 only

The Bachelor of Biotechnology can also be taken as part of a Flexible Double Degree or Vertical Double Degree pathway. See pages 26-28 for more information.

UAC code: 138503

CRICOS code: 036660M

Program overview

Biotechnology is a fast-moving field where scientists use living organisms, and their products, to solve real world problems facing modern society. This exciting field has broad applications in medicine, biology, agriculture, manufacturing, renewable energy and engineering.

You will learn the foundations of biology, from genes through to ecology, while examining important questions about ethics and intellectual property.

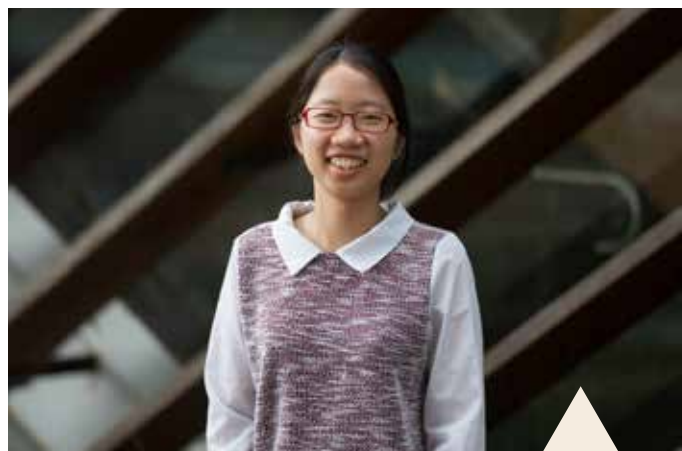
Career outcomes

Our Bachelor of Biotechnology graduates are highly sought after by government and industry employers in chemical, plant and agricultural, and medical biotechnology. You may also find positions in hospitals, food and pharmaceutical industries, or continue on to a career in research.

Degree structure

Year	Semester	Course 1	Course 2	Course 3	Course 4
1	1	Biology 1: Evolution, Ecology and Genetics	Chemistry 1	Elective	Elective
	2	Biology 2: Molecular and Cell Biology	Chemistry 2	Elective	Elective
2	1	Genes: Replication and Expression	Chemical Biology 1	Biotechnology elective	Elective
	2	Molecular Gene Technology	Biotechnology elective	Biotechnology elective	Elective
3	1	Genomics and its Applications	Bioethics and Society	3000 level BIOL/CHEM/NEUR course	Elective
	2	3000 level BIOL course	3000 level BIOL/CHEM/NEUR course	3000 level BIOL/CHEM/NEUR course	Elective


*Example study plan is a suggestion on how this program can be structured.



Jiansi Long

Bachelor of Biotechnology (Honours)

"I think biotechnology is important because today we're learning more and more about how genes work. I want to use biotechnology to make drugs more personalised, doing something like gene therapy."

 #1 in Australia for Natural Sciences*

*QS World University Rankings 2022

BACHELOR OF ENVIRONMENT & SUSTAINABILITY

Key facts

Minimum entry requirements: 80 ATAR, 29 IB

For further details on admission requirements please see pages 21-26.

Duration: 3 years full-time

Intake: Semester 1 & 2 (commencing your studies in semester 2 may limit course choices)

The Bachelor of Environment & Sustainability can also be taken as part of a Flexible Double Degree or Vertical Double Degree pathway. See pages 26-28 for more information.

UAC code: 138201

CRICOS code: 091180D

Program overview

The Bachelor of Environment & Sustainability is a contemporary degree, covering environmental science, policy and social sciences, allowing you to address the complex challenges of sustainability by giving you a broad environmental education.

Career outcomes

Work on environment and sustainability issues in a range of global, national and local contexts.

- > Policymaking within government
- > Water resources management
- > Environmental management
- > Fire management
- > International development
- > Food security consulting
- > Climate change consulting
- > Urban planning and sustainability

Degree structure

Year	Semester	Course 1	Course 2	Course 3	Course 4
1	1	Major	Science elective	Elective	Elective
	2	Major	Science elective	Elective	Elective
2	1	Major	Science elective	Minor	Elective
	2	Major	Science elective	Minor	Elective
3	1	Major	Major	Minor	Elective
	2	Major	Major	Minor	Elective

*Example study plan is a suggestion on how this program can be structured.



Jonah Lafferty

Bachelor of Environment and Sustainability and Bachelor of Development Studies

"I took some courses at the Fenner School of Environment of Society, learning about the intersection between the environment and people, and I didn't even realise you could study that, let alone that people have careers in this interesting stuff. I just loved it."

🏆 #1 in Australia for Natural Sciences*
*QS World University Rankings 2022

★ 5 star rating for Agriculture & Environmental Studies**
**Good Universities Guide

Bachelor of Environment & Sustainability Advanced (Honours) option available

Entry requirements: 90 ATAR, 33 IB

Duration: 4 years full-time

Intake: Semester 1 & 2 (commencing your studies in Semester 2 may limit course choices)

70% minimum average in science courses required throughout degree

UAC code: 138202

CRICOS code: 091181C

Program overview

The Bachelor of Environment & Sustainability (Advanced) (Honours) has a higher entry requirement and students must complete the fourth Honours year, which consists of intensive research and a thesis.

science.anu.edu.au/study/bachelors/bachelor-environment-sustainability

science.anu.edu.au/study/bachelors/bachelor-environment-sustainability-advanced

BACHELOR OF GENETICS

Key facts

Minimum entry requirements: 85 ATAR, 31 IB

For further details on admission requirements please see pages 21-26.

Chemistry prerequisite. See page 25 for more information on the bridging course.

Duration: 3 years full-time

Intake: Semester 1 only

65% minimum average required throughout degree.

The Bachelor of Genetics can also be taken as part of a Flexible Double Degree or Vertical Double Degree pathway. See pages 26-28 for more information.

UAC code: 138600

CRICOS code: 064778J

Program overview

In this program you'll learn how genes hold our hereditary information, study classical genetics, molecular genetics, population genetics, and bioinformatics. You can even follow interests in areas as diverse as plant genetics, evolutionary genetics or medicine and health.

Career outcomes

Our graduates have gone on to positions at:

- > Medical and agricultural research institutes
- > Hospitals
- > Government departments
- > Schools and universities
- > Patent firms
- > Genetic counselling services
- > Forensic laboratories, and
- > Biotechnology companies.

Degree structure

Year	Semester	Course 1	Course 2	Course 3	Course 4
1	1	Biology 1: Evolution, Ecology and Genetics	Chemistry 1	Elective	Elective
	2	Biology 2: Molecular and Cell Biology	Chemistry 2	Genetics elective	Elective
2	1	Genes: Replication and Expression	Genetics	BIOL2001 or COMP1730	Elective
	2	Experimental Design and Analysis in Biology	Molecular Gene Technology	Elective	Elective
3	1	Genomics and its Applications	3000 level Genetics Elective	Genetics of Human Disease 1	Elective
	2	3000 level Genetics Elective	3000 level Genetics Elective	2000-3000 level BIOL, MEDN or NEUR course	Elective

*Example study plan is a suggestion on how this program can be structured.



STUDENT PROFILE

Amber Condell

Bachelor of Genetics

ANU is one of the only universities with a specific genetics undergraduate program, and Amber says that when she saw there was also the opportunity to do an internship in genetic counselling at Canberra Hospital, that sealed the deal.

"The internship was one of the greatest weeks of my life. It was an amazing experience. You've studied all this theory in class and gotten caught up in the technical lab work, and now it's time to go to meetings with patients and see that this is someone's real life. These are their real genes and emotions."



#1 in Australia for Natural Sciences*

*QS World University Rankings 2022

BACHELOR OF HEALTH SCIENCE

Key facts

Minimum entry requirements: 85 ATAR, 31 IB

Due to the competitive and contextual nature of our selection process, we cannot guarantee entry to applicants who meet the minimum selection rank for their preferred program. For further details on admission requirements please see pages 21-26.

Duration: 3 years full-time

Intake: Semester 1 only

60 domestic places available in each cohort, a minimum of 15 of which are reserved for applicants from rural areas. Additional places are available for Indigenous students.

The Bachelor of Health Science can also be taken as part of a Vertical Double Degree pathway. See pages 26-28 for more information.

Some subjects have assumed knowledge requirements, particularly in chemistry, mathematics and physics. See page 25 for more information on bridging courses.

UAC code: 138302

CRICOS code: 094623B

Additional requirements: A compulsory supplementary form must be submitted by 25 May for direct applications submitted to ANU by 30 November in the year of application for UAC applications.

Further information

The Bachelor of Health Science offers competitive pathways into the ANU Doctor of Medicine and Surgery and Master of Public Health. Admission to the Bachelor of Health Science is based on both academic record and a supplementary form where applicants showcase their individual achievements, contributions made to school and community organisations, volunteering and paid work, teamwork and leadership, and inform the selection panel of challenges faced and overcome. Access for rural and Indigenous students to reserved places

Degree structure

Year	Semester	Course 1	Course 2	Course 3	Course 4
1	1	Health in the 21st Century	Human Biology	Applications of Health/ Pre-med stream course	Elective
	2	Research Methods in the Health Sciences	Biology 2: Molecular and Cell Biology	Applications of Health/ Pre-med stream course	Elective
2	1	Health Systems and Policy: An Introduction	Medical Physiology and Pharmacology	Applications of Health/ Pre-med stream course	Elective
	2	Introduction to Global Health: Issues, Theories and Practices	Pathogenesis of Human Disease	Introduction to Population Health	Elective
3	1	Aboriginal and Torres Strait Islander Health	Professional Practice in Health Science	Elective	Elective
	2	Health Promotion Principles and Practice	3000 level Science course	Elective	Elective

*Example study plan is a suggestion on how this program can be structured.

aligns the program with national targets for proportional representation of the Australian society to produce graduates entering health and medicine careers.

Program overview

The Bachelor of Health Science prepares students for a future in medical, allied health and health-related professions. During the first two years, students study the foundations of human health and disease. Topics include emerging health issues within Australia and globally, health governance and policy frameworks, research methods, and human physiology and disease. The final year is an equal mix of compulsory courses and elective choices enabling students to pursue an area of academic interest, including commencing study of the Master of Public Health within the vertical double degree pathway. A range of honours study options are available for students interested in undertaking research after completion of the program.

Career outcomes

Launch your career path in medicine, allied health, health organisations and the public service, including in hospitals, public health units, healthcare foundations and academia.

You will graduate with an impressive skillset that includes knowledge of the biomedical sciences, an understanding of the biological, social and economic factors contributing to health outcomes, and research skills related to biomedical science, population health and public health policy.

W medicalschoool.anu.edu.au/study/pathway-programs

BACHELOR OF MATHEMATICAL SCIENCES

Key facts

Minimum entry requirements: 90 ATAR, 33 IB

For further details on admission requirements please see pages 21-26.

Duration: 3 years full-time

Intake: Semester 1 only

70% minimum average required in math coded courses throughout degree

The Bachelor of Mathematical Sciences can also be combined with a Master of Secondary Teaching from the University of Canberra. See page 26 for more information.

Maths prerequisite. See page 25 for more information on the bridging course.

UAC code: 138200

CRICOS code: 086223G

Program overview

If you'd like to master quantitative problem-solving, mathematical modelling and critical thinking, this is the degree for you. It is an elite, research-focused program for exceptional students at Australia's highest-ranked university.

Career outcomes

This degree is designed for students who want a career based in the quantitative modelling of the real world, a research-oriented career in government, commerce or industry, or who are interested in pursuing postgraduate studies.

Our mathematics graduates have gone on to positions at:

- > CSIRO
- > Bureau of Meteorology
- > Geosciences Australia
- > Australian Signals Directorate
- > Macquarie Bank
- > Boston Consulting
- > Treasury
- > Australian Tax Office, and
- > Google

Degree structure

Year	Semester	Course 1	Course 2	Course 3	Course 4
1	1	Advanced Mathematics and Applications 1	Introduction to Mathematical Thinking: Problem-Solving and Proofs	Elective	Elective
	2	Advanced Mathematics and Applications 2	Science elective	Elective	Elective
2	1	Applied Mathematics I	Advanced Analysis 1: Metric Spaces and Applications	Science elective	Elective
	2	Advanced Algebra 1: Groups, Rings and Linear Algebra	Science elective	Science elective	Elective
3	1	3000 level MATH course	3000 level MATH course	3000 level MATH course	Elective
	2	3000 level MATH course	3000 level MATH course	3000 level MATH course	Elective

*Example study plan is a suggestion on how this program can be structured.

science.anu.edu.au/study/bachelors/bachelor-mathematical-sciences



GRADUATE PROFILE

Yunfei Ouyang

Bachelor of Mathematical Sciences

"In my second year I completed an internship with the Department of Infrastructure as a data analyst. I analysed a lot of shipping data — specifically to do with the container shipping industry — and helped make infrastructure recommendations.

"Maths can be applied to so many pressing problems and it opens up many doors. Applying my quantitative skillset to unravel real world problems has been very satisfying."



#1 in Australia for Natural Sciences*

*QS World University Rankings 2022

BACHELOR OF MEDICAL SCIENCE

Key facts

Minimum entry requirements: 85 ATAR, 31 IB

For further details on admission requirements please see pages 21-26.

Duration: 3 years full-time

Intake: Semester 1 only

65% minimum average required throughout degree

The Bachelor of Medical Science can also be taken as part of a Flexible Double Degree or Vertical Double Degree pathway. See pages 26-28 for more information.

Chemistry prerequisite. See page 25 for more information on the bridging course.

UAC code: 138403

CRICOS code: 036662J

Program overview

This degree brings the disciplines of genetics, immunology, nutrition, physiology, microbiology, biochemistry and anatomy into a single degree.

The flexibility of the degree allows you to choose additional subjects in complementary disciplines such as neuroscience, psychology, molecular biology and ethics in order to develop your interests further.

Career outcomes

You'll gain the fundamental knowledge of the medical sciences and skills in modern molecular, cellular and biotechnological techniques required to continue with postgraduate study in medicine or research. You can also pursue a career in pharmacy, physiotherapy, nutrition, dietetics, forensic science or health administration in the public or private sectors.

Degree structure

Year	Semester	Course 1	Course 2	Course 3	Course 4
1	1	Biology 1: Evolution: Ecology & Genetics	Chemistry 1	Elective	Elective
	2	Biology 2: Molecular & Cell Biology	Chemistry 2	Elective	Elective
2	1	Medical Physiology and Pharmacology	Genes: Replication & Expression	Biochemistry & Nutrition	Quantitative Research Skills Course
	2	General Microbiology	Medical Science elective	Medical Science elective	Elective
3	1	Medical Science elective	Medical Science elective	Elective	Elective
	2	Medical Science in the Workplace	Medical Science elective	Medical Science elective	Elective

*Example study plan is a suggestion on how this program can be structured.



GRADUATE PROFILE

Alex Keen

Bachelor of Medical Science

Alex studied a Bachelor of Medical Science focussing on human-based biology and physiology.

"I've always liked medicine and find it really interesting, understanding how the human body works and therefore being able to assist someone who needs help."

BACHELOR OF PHILOSOPHY (HONOURS) (PHB)

Key facts

Minimum entry requirements: 98 ATAR, 40 IB

For further details on admission requirements please see pages 21-26.

Duration: 4 years full-time

Intake: Semester 1 & 2 (commencing your studies in Semester 2 may limit course choices)

75% minimum average required in science courses throughout degree

Honours (one year of research and a thesis)

Some subjects have assumed knowledge, particularly in chemistry, mathematics and physics. See page 25 for more information on bridging courses.

UAC code: 138000

CRICOS code: 043746B

Program overview

There's no other degree like it in Australia. Explore your interests by undertaking research as an undergraduate student and receiving one-on-one mentoring by leading academics, all while enjoying the camaraderie of a group of like-minded students.

Career outcomes

Many of our graduates have used the PhB program as a pathway to completing PhDs in some of the best universities around the world. The PhB can also provide a pathway to the Doctor of Medicine and Surgery (MChD) without having to sit the GAMSAT.

W medicalschoool.anu.edu.au/study/pathway-programs

Degree structure

Year	Semester	Course 1	Course 2	Course 3	Course 4
1	1	Science course	Science course	Science course	Elective
	2	Science course (Advanced Studies Extension)	Science course	Science course	Elective
2	1	Science course (Advanced Studies Extension)	Science course (Advanced Studies Extension)	Science course	Elective
	2	Advanced Studies Course	Science course	Science course	Elective
3	1	Advanced Studies Course	Science course	Science course	Elective
	2	Advanced Studies Course	Science course	Science course	Elective
4	1	Honours			
	2	Honours			

*Example study plan is a suggestion on how this program can be structured.



GRADUATE PROFILE

Ruth Purcell

Bachelor of Philosophy (Honours) (PhB)

Ruth's science career started with a Bachelor of Philosophy at ANU, where she completed her honours in biochemistry and molecular biology.

"As a cell biologist, it's easy to get fixated on one tiny protein or one tiny pathway, but working at Nourish Ingredients, then on the sewage testing, and now doing my PhD—it's helped me see how all these systems fit together."

BACHELOR OF PSYCHOLOGY (HONOURS)

Key facts

Minimum entry requirements: 90 ATAR, 33 IB

For further details on admission requirements please see pages 21-26.

Duration: 4 years full-time

Intake: Semester 1 & 2 (commencing your studies in Semester 2 may limit course choices)

75% minimum average required in psychology courses throughout degree

Honours (One year of research and a thesis)

UAC code: 138130

CRICOS code: 036680G

Program overview

Explore the research and applied components of psychology, with the opportunity to specialise in an area of interest when completing Honours in your fourth year.

Career outcomes

This program prepares you for postgraduate study, leading to a career in clinical practice or academic research. See pages 31-32 for more information on pathways to postgraduate study in psychology.

The programs is also a fantastic launch pad for a range of careers, including:

- > research
- > management consulting
- > human resources
- > public policy
- > child development and welfare
- > marketing
- > counselling
- > health and human services
- > education, and clinical practice

Degree structure

Year	Semester	Course 1	Course 2	Course 3	Course 4
1	1	Psychology 1: Understanding Mind, Brain and Behaviour	Science elective	Elective	Elective
	2	Psychology 2: Understanding People in Context	Science elective	Elective	Elective
2	1	Developmental Psychology	Science elective	Quantitative Methods in Psychology	Elective
	2	Social Psychology	Cognition	Biological Basis of Behaviour	Elective
3	1	Psychopathology Across the Lifespan	Advanced Research Methods	3000 level PSYC course	Elective
	2	Personality Psychology	3000 level PSYC course	3000 level PSYC course	Elective
4	1	Psychology Honours			
	2	Psychology Honours			

*Example study plan is a suggestion on how this program can be structured.

health.anu.edu.au/study/bachelors/bachelor-psychology



ACADEMIC PROFILE

Dr Dirk Van Rooy

Research School of Psychology

Dr Van Rooy is a senior lecturer in social psychology. As a social psychologist he investigates, among many other things, prejudice, discrimination, and social influence.

BACHELOR OF SCIENCE (PSYCHOLOGY)

Key facts

Minimum entry requirements: 80 ATAR, 29 IB

For further details on admission requirements please see pages 21-26.

Duration: 3 years full-time

Intake: Semester 1 & 2 (commencing your studies in Semester 2 may limit course choices)

The Bachelor of Science (Psychology) can also be taken as part of a Flexible Double Degree. See pages 26-28 for more information.

UAC code: 138123

CRICOS code: 047423M

Program overview

The Bachelor of Science (Psychology) provides you with a great base in six different areas of psychology: developmental, social, personality, methods, cognition and biological.

Career outcomes

Psychology graduates have skills essential to any workplace: an understanding of human motivation and behaviour, analytical skills and statistics. See pages 31-32 for more information on pathways to postgraduate study in psychology.

The Bachelor of Science (Psychology) is a fantastic launch pad for a range of careers, including:

- > research
- > management consulting
- > human resources
- > public policy
- > child development and welfare
- > marketing
- > counselling
- > health and human services
- > education, and
- > clinical practice

Degree structure

Year	Semester	Course 1	Course 2	Course 3	Course 4
1	1	Psychology 1: Understanding Mind, Brain and Behaviour	Science elective	Elective	Elective
	2	Psychology 2: Understanding People in Context	Science elective	Elective	Elective
2	1	Developmental Psychology	Science elective	Quantitative Methods in Psychology	Elective
	2	Social Psychology	Cognition	Biological Basis of Behaviour	Elective
3	1	Psychopathology Across the Lifespan	Advanced Research Methods	3000 level PSYC course	Elective
	2	Personality Psychology	3000 level PSYC course	3000 level PSYC course	Elective

*Example study plan is a suggestion on how this program can be structured.

health.anu.edu.au/study/bachelors/bachelor-science-psychology



GRADUATE PROFILE

Brianna Woodhead

Bachelor of Laws/ Bachelor of Science (Psychology)

"I chose to study psychology because it's such a big part of life. Studying psychology will enable me to understand, relate with, and help everyone around me. I know it sounds idealistic, but wherever I end up working, that will be one thing that will be useful wherever I go."

BACHELOR OF SCIENCE

Key facts

Minimum entry requirements: 80 ATAR, 29 IB

For further details on admission requirements please see pages 21-26.

Duration: 3 years full-time

Intake: Semester 1 & 2 (commencing your studies in Semester 2 may limit course choices)

The Bachelor of Science can also be taken as part of a Flexible Double Degree, Vertical Double Degree pathway, or combined with a Master of Secondary Teaching from the University of Canberra. See pages 26-28 for more information.

Some subjects have assumed knowledge, particularly in chemistry, mathematics and physics. See page 25 for more information on bridging courses.

UAC code: 138003

CRICOS code: 000335K

Program overview

Explore the possibilities of science from astronomy to zoology and everything in between with our most flexible science degree. Tailor a program to your unique interests while giving you the broad critical-thinking and problem-solving skills needed for the workforce.

Career outcomes

- > Policy advisor
- > Consultant
- > Science journalist
- > Science teacher
- > Environmental scientist
- > Research officer at scientific organisation (CSIRO)
- > Liaison officer at pharmaceutical company

Degree structure

Year	Semester	Course 1	Course 2	Course 3	Course 4
1	1	Major	Minor	Elective	Elective
	2	Major	Minor	Elective	Elective
2	1	Major	Minor	Science Elective	Elective
	2	Major	Minor	Science Elective	Elective
3	1	Major	Major	Science Elective	Elective
	2	Major	Major	Science Elective	Elective

*Example study plan is a suggestion on how this program can be structured.




STUDENT PROFILE

Tanya Javaid

Bachelor of Science (Advanced) (Honours)

Tanya Javaid is an international student studying a Bachelor of Science (Advanced) (Honours) at ANU and completed an internship at CSIRO as part of her degree.

"Getting caught up in the stress of grades and deadlines, you often forget to enjoy what you're learning, and fail to see that information is used beyond the classroom. An internship is a great way to study what you love in a hands-on way, without obsessing over your grade at the end of it!"

 #1 in Australia for Natural Sciences*
*QS World University Rankings 2022

Bachelor of Science (Advanced) (Honours) option available

Entry requirements: 90 ATAR, 33 IB

Duration: 4 years full-time

Intake: Semester 1 & 2 (commencing your studies in Semester 2 may limit course choices)

70% minimum average required in science courses throughout degree

UAC code: 138004

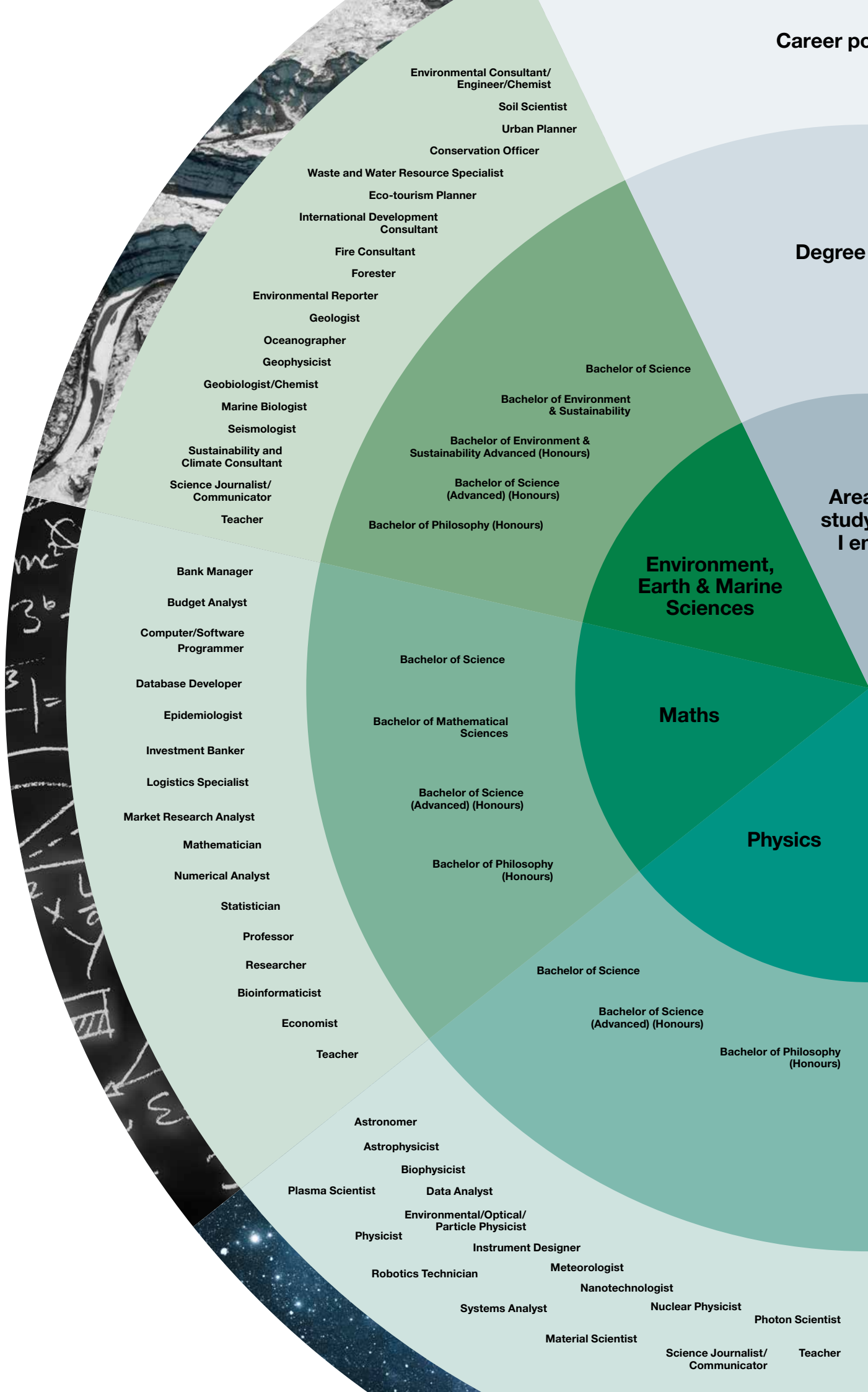
CRICOS code: 065138M

Program overview

The Bachelor of Science (Advanced) (Honours) has a higher entry requirement and students must complete the fourth Honours year, which consists of intensive research and a thesis.

The Bachelor of Science (Advanced) (Honours) can also be combined with a Master of Secondary Teaching from the University of Canberra. See page 20 for more information.

TURN YOUR PASSION INTO YOUR CAREER



Career po

Degree

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enjoy

**Health &
Psychology**

Biology

Chemistry

Dietitian
Pharmacist
Physiotherapist
Genetic Counsellor
Health Policy Adviser
Laboratory Technician

Health Administrator

Behavioural Therapist

Mental Health Counsellor

Psychologist/Psychiatrist

School Counsellor

Child and Youth Worker

Social Worker

Human Resources Specialist

Organisational Psychologist

Doctor/General Practitioner

Medical Specialist/Clinician e.g.
Pediatrician, Cardiologist, Surgeon

Immunologist

Medical Researcher

Police and Public Safety Officer

Forensic Scientist/Psychologist

Rehabilitation Counsellor

Teacher

Biochemist

Botanist

Forensic Scientist

Entomologist

Ecologist

Science Magazine Editor/Writer

Wildlife Biologist

Microbiologist

Conservation Biologist

Biomedical Scientist/Researcher

Immunologist

Animal Behaviourist

Biotechnologist

Biochemical Geneticist

Clinical Researcher

Food and Drug Inspector

Teacher

Biochemist

Chemical Engineer

Pharmaceutical Chemist

Textile Chemist

Radiochemist

Teacher

Pharmacologist

Developmental
Chemist

Researcher

Art Conservator

Science Journalist/
Communicator

Pharmacist

Patent Agent

Pathologist

Astrochemist

Chemical Physicist

Nanotechnologist

INTERNSHIPS

Apply for our official internship program to work in an organisation on an agreed project, earning course credit during a semester. As an intern, you will get hands on work experience that will put you ahead of the competition when it's time to graduate. And did we mention you'll get credit towards your degree?

The internship program is an opportunity for you to work in an organisation for 1-2 days a week in a semester. Opportunities may exist for intensive internships during semester breaks, with a greater time commitment over a shorter period. The number of internships available each semester is based on the number of available projects from host organisations.

Current internship hosts

- > ACT Health
- > Australian Academy of Science
- > Australian Institute of Health & Welfare
- > Endangered Heritage
- > Esri Australia
- > Fight Food Waste Ltd
- > NSW Biodiversity Conservation Trust
- > Relationships Australia
- > Safe Work Australia

Self-sourced internships

Students can undertake external internship opportunities if there is no existing formal agreement with the proposed host organisation. In self-sourced internships, students must meet the learning outcomes and other requirements to receive credit for their internship. Students must contact the internship course convener for further information before they undertake self-sourced internships.

E science.internships@anu.edu.au

Example of self-sourced internship

CSIRO

- > Our students often work with leading CSIRO scientists in their world-class facilities, leading to further research and employment opportunities.

Applications for 2023 internships

Semester 1:

Applications open early December 2022, close mid-January 2023.

Winter Semester/Semester 2:

Applications open late March 2023, close mid April 2023.



Molly Folkard

Bachelor of Environment & Sustainability

As part of an internship through the Fenner School of Environment and Society, Molly has just written Australia's food waste strategy.

"There's one orange farm near Sydney that can't get the price that will make it worth picking the oranges off the tree. Ozharvest now goes and picks them and puts them in vending machines around Sydney that do fresh orange juice. It's a really cool way to make sure the food is getting used, but is also educating the community.

"I just thought this was going to be like another course at uni, but I didn't realise it would lead to an honours or a job."

science.anu.edu.au/study/internships-careers

FIELDWORK

A number of our courses offer fieldwork activities, across a range of science fields, to help you get hands-on experience in the field and assist you in solidifying your theoretic knowledge. Here are some fieldwork highlights you can undertake during your studies. Please note: some field trip course are capped due to capacity restrictions and are subject to travel restrictions.



Coral Reef Field Studies

EMSC3019, offered by the Research School of Earth Sciences

Learn from ANU researchers on One Tree Island or Heron Island. Several days will be spent on location studying a modern reefal setting, fossil reef depositional environments and relevant biological processes.



Environmental Science Field School

ENVS2018, offered by the Fenner School of Environment and Society

Apply your theoretical understanding to critical observation and measurement of biodiversity, biogeography, landscape ecology, soil-vegetation processes and sustainable land management.



Field Studies in Functional Ecology

BIOL2203, offered by the Biology Teaching and Learning Centre

Understand field studies in plant and animal functional ecology. The course location varies each year but has previously been held in Singapore, Kosciuszko National Park and the Daintree Rainforest.



Foundations of Astrophysics

ASTR2013, offered by the Research School of Astronomy and Astrophysics.

Learn about the key components of galaxies – dark matter, stars and gas, and how their masses and other properties are measured. Students will also gain practical experience with astronomical observations with a field trip to the Siding Spring Observatory.

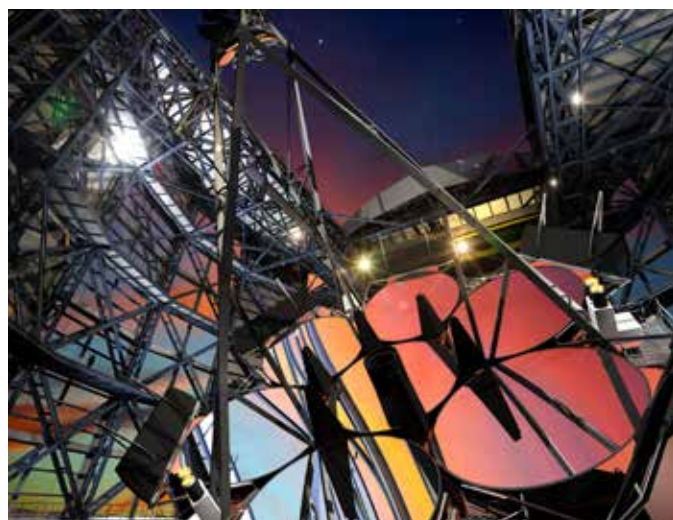
WORLD-CLASS FACILITIES



▲ Our \$240-million science precinct on the ANU campus has state-of-the-art biological and chemical research laboratories, as well as a teaching hub.



◀ In partnership with the ACT Government and CSIRO, we are working to improve biodiversity at the “outdoor laboratories” of Mulligans Flat and Gorooyarroo Nature Reserves in the Canberra Nature Park.



▲ ANU is part of an international partnership to design and build the world's largest optical telescope: the Giant Magellan Telescope (GMT).



◀ ANU is home to the fastest super computer in the southern hemisphere at the \$50-million National Computational Infrastructure.

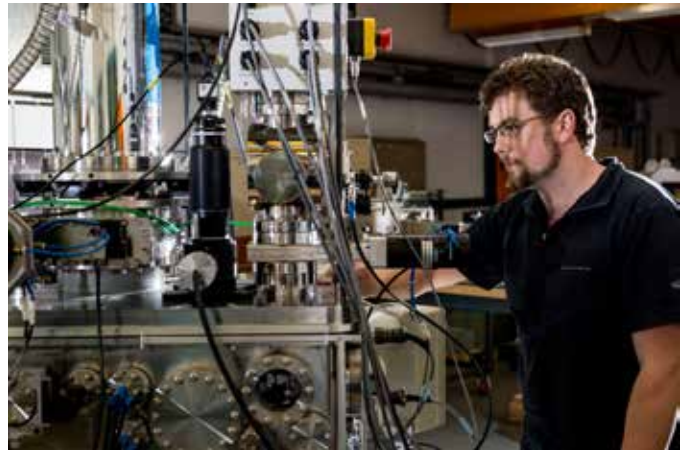
You can study ecological farming principles and holistic landscape management at our rural field station at Mulloon Creek. ▶



◀ Our Heavy Ion Accelerator Facility is the one of the largest in the world, supporting Australia's only experimental nuclear physics program.



▲ The ANU Siding Spring Observatory in north-west New South Wales is Australia's premier optical and infrared observatory, housing the state-of-the-art SkyMapper telescope.

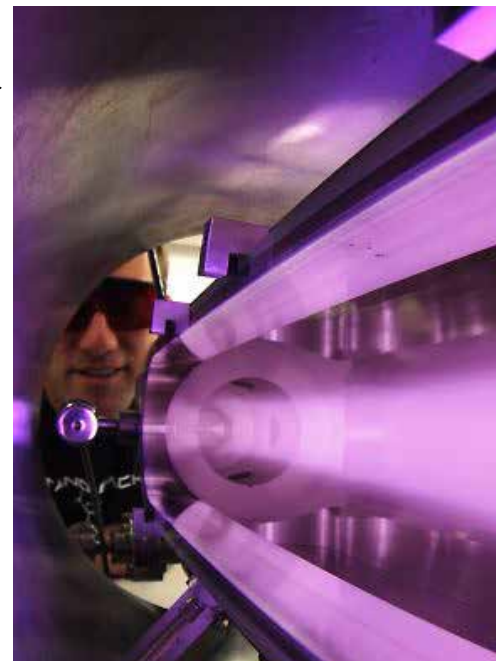


▲ The Sensitive High Resolution Ion Microprobe (SHRIMP) for analysing geological materials was designed and developed at ANU.



◀ The Australian Plant Phenomics Facility at ANU is the only place in the world that provides high-calibre public sector access to infrastructure and expertise on crop performance.

▶ The Australian Plasma Fusion Research Facility is a uniquely versatile resource for developing fusion energy.



▶ The Kioloa Coastal Campus is one of the university's research facilities and field stations, providing a range of accommodations, teaching, research as well as meeting, conference, performance and workshop facilities.



▲ The \$30-million Advanced Instrumentation and Technology Centre at our Mount Stromlo Observatory is a world-class facility for developing space instruments.

▼ The Australian Phenomics Facility at ANU specialises in mouse models of human disease and is one of Australia's foremost genomics and bioinformatics capabilities.



HOW TO APPLY

Apply early

You can apply to study at ANU early by submitting a direct application. What's more, applying directly is free and covers admission, scholarships and accommodation in one application.

1. Check if you're eligible to apply directly to ANU

- > You are an Australian school leaver and wanting to apply for an undergraduate program.
- > You will complete an Australian Year 12 certificate this year or the International Baccalaureate diploma during the November session.

2. Consider which programs are best for you

- > Choose from over 50 bachelor degrees, or combine degrees to study a flexible double degree program. To find out which degree suits your interests and career goals, go to page 27.
- > Some programs will require you to have studied specific subjects in Year 12. Make sure you're eligible for your chosen one by checking the prerequisites on page 4 before you apply.

3. Check you meet the co-curricular or service requirement

- > All Australian school leavers must meet this requirement.
- > Learn more on page 23.

4. Apply directly to ANU

Great work! You're now ready to apply.

Direct application dates

- > Visit anu.edu.au

Apply through UAC

If you do not meet the criteria to submit a direct application to ANU, you can apply via The Universities Admissions Centre (UAC) later in the year.

Complete a UAC application if you are:

- > not a school-leaver, e.g. you have taken a gap year
- > seeking admission as a mature-age higher education student
- > wanting to transfer to ANU from another institution
- > you have completed an International secondary qualification e.g. A Levels.

UAC application dates

- > Visit uac.edu.au

ADJUSTMENT FACTORS

You may be eligible to receive adjustment factors.

You may be eligible to receive adjustment factors which could boost your ANU selection rank.

ANU allocates National Access Scheme adjustment factors for high achievement in strategic senior secondary subjects and in recognition of difficult circumstances faced during high school.

Learn more at anu.edu.au/study/apply/national-access-scheme.

We may consider you for adjustment factors if you have:

- > applied directly to ANU or through UAC for an eligible ANU bachelor program
- > undertaken the Australian Year 12 certificate or International Baccalaureate diploma
- > achieved an ATAR or equivalent of 70 or above
- > not previously attempted tertiary study.

For more information, visit the [adjustment factors](#) page on the ANU website.

Educational Access Scheme (EAS) schedule for domestic students

EAS type	Equity adjustments	EAS category and description
Financial hardship	Up to 6	F01A – Youth Allowance/Austudy/Abstudy
	Up to 6	F01B – Other Centrelink income
	Up to 6	F01C – Exceptional financial hardship
	6	F01D – Parental Family Tax Benefit Part A
	6	F01K – Parental Job Keeper
	6	F01S – Parental Job Seeker
Severe family disruption	Up to 5	H01A – Death of immediate family member/close friend
	Up to 5	H01B – Life-threatening or severe illness of immediate family
	Up to 5	H01C – Divorce or separation of parents or applicant
	Up to 5	H01D – Legal matters
	6	H04B – Currently or previously placed with an OOHC provider
Refugee status	6	R01A – Refugee status

Disclaimer: Correct at time of print August 2022. Adjustment factors are reviewed annually, please refer to <https://www.anu.edu.au/study/apply/anu-adjustment-factors>

EAS type	Equity adjustments	EAS category and description
Natural Disasters	6	N01D – Natural Disaster
Excessive family responsibility	Up to 6	H03A – Care of children/other family members
	Up to 6	H03B – Required to work to support family
	Up to 3	H03C – Sole responsibility for care of self
Abuse	Up to 5	H04A – Abuse to applicant, parent/s, or sibling/s
English language difficulty	Up to 3	L01A – ESL/started school in Australia in Year 11 or 12
Personal Illness / disability	Up to 5	P01A – Disability or long-term medical condition
School environment	Up to 3	S01C – Rural school
	Up to 5	S01D – Studying Year 12 subjects by distance education or Access program
	6	AG01 – Residing in a low socio-economic area.

Elite athlete adjustments

ANU is an elite athlete-friendly university. We will provide additional support if you are recognised as an elite athlete by the Australian Sports Commission's AIS Personal Excellence program. You may be eligible for five elite athlete adjustments.

- > anu.edu.au/students/health-safety-wellbeing/access-inclusion/anu-student-elite-athlete-program



THE CO-CURRICULAR OR SERVICE REQUIREMENT

The skills you have gained outside the classroom during Years 10-12 will help you succeed at university. That is why when you apply to The Australian National University (ANU), you will need to meet our co-curricular or service requirement along with the academic requirements for your degree program.

Skills to succeed

In your application, you will need to tell us about your involvement in activities outside the classroom. These can include such activities as volunteering, part-time work, caring for a family member or playing sport.

Meeting the co-curricular or service requirement

Refer to the matrix on the next page for examples of the type of activities that we recognise as meeting our co-curricular or service requirements.

Each activity is mapped against seven skills:

- > **Creative and critical thinking**
- > **Community engagement**
- > **Inclusion and awareness of diversity**
- > **Communication**
- > **Leadership**
- > **Personal responsibility**
- > **Teamwork**

You have met the co-curricular or service requirement when you can demonstrate that you've attained **at least three of seven skills**.*

How the requirement works

- > The co-curricular or service requirement is a threshold which is either met or not met. We won't use it to rank you against other applicants.
- > The requirement does not modify your ATAR or ANU selection rank. You must meet it in addition to other admission requirements that apply to your preferred program.
- > The requirements can be met through activities that were completed in Years 10, 11 or 12; and must be met at the time of application.
- > You will need to provide supporting documentation with your application to confirm your participation in activities.

For more information, go to anu.edu.au/study/apply/domestic-applications-anu-undergraduate/applying-to-anu-application-details/co.



* If you are a domestic Australian school leaver in 2022 and wanting to apply for an undergraduate degree starting in 2023.

FEES & PATHWAYS

Fees

Australian domestic undergraduate students are eligible for a Commonwealth Supported Place (CSP). This means that your tuition fees are subsidised by the Australian Government.

University tuition fees are charged based on your enrolment. Fees are not a set amount based on the degree you take, each course you enrol in has an associated fee that may be different to your other courses. From year to year tuition fee rates change. They can change for a number of reasons including those set by the University and those set by the Australian government. Specific course fee amounts are listed in the relevant course entry at programsandcourses.anu.edu.au

For the most up-to-date information about university tuition fees in Australia for domestic students, go to studyassist.gov.au

Fee help and financial assistance

Financial help is available to eligible students from the Australian Government through various schemes.

HECS-HELP is a loan program to help eligible students pay their student contribution. For details head to studyassist.gov.au

Youth Allowance is financial help available to eligible full-time students aged between 16 and 24 years of age. For details go to humanservices.gov.au/individuals/services/centrelink/youth-allowance-students-and-australian-apprentices

ABSTUDY is available to eligible Aboriginal and Torres Strait Islander students. For details go to humanservices.gov.au/individuals/services/centrelink/abstudy

SA-HELP is available to enable eligible students at ANU and other Australian universities to defer paying the Student Services and Amenities Fee (SA fee). For details go to studyassist.gov.au/help-loans/sa-help

For up-to-date information about the Student Services and Amenities Fee go to anu.edu.au/students/program-administration/costs-fees/services-amenities-fee

Bridging courses

If the program you are interested in in studying requires completion of mathematics or chemistry, you have the option of completing a bridging course. For applicants who have not completed the prerequisites, bridging courses can give you the equivalent skills.

The chemistry bridging course is offered through the ANU Research School of Chemistry chemistry.anu.edu.au/study/bridging-course

The mathematics bridging course is offered through the ANU Mathematical Sciences Institute maths.anu.edu.au/study/bridging-course

Transferring from another University

Transferring between universities is almost the same as applying for the first time. That means you will need to apply through UAC (see How to apply). If you have completed one year or more at another university you will be assessed on the basis of your tertiary results.

Mature age entry

If you are not a recent school-leaver, you might qualify for mature age or adult entry. You may still qualify for admission to ANU on the basis of previous studies.

There are a number of pathways into university studies for the mature-aged student. Consider the ANU Special Adult Entry Scheme.

More information about the various mature age entry options can be found at students.anu.edu.au/applications/mature

Honours pathway

You may undertake Honours if you are currently studying in a science program at ANU (in which Honours is not compulsory), or are completing your undergraduate degree in a science discipline at another university.

Students must meet the requirements for the first three years of their program and achieve a minimum 70% weighted average mark (WAM). This WAM is calculated from 36 units of courses in disciplines cognate to the Honours specialisation (excluding 1000-level courses) with the highest marks. You must also satisfy any requirements specified in the relevant Honours specialisation (see table below to link to Programs and Courses).

An Honours year is typically a fourth year of study that is a continuation of an undergraduate degree. The Science Honours specialisation is intended for students who have a broad and interdisciplinary training in science and are interested in undertaking an independent research project that crosses standard disciplinary boundaries. The honours specialisation is usually taken full time for two consecutive semesters and includes research training, in-depth analysis of current concepts in the fields as well as a substantial research project culminating in the production of a thesis. Honours is a solid foundation in the basics of research and can be an entry into many careers both within and outside of science.

More information about honours can be found at students.science.anu.edu.au/program-admin/pathways-honours

DEGREE PROGRAMS

Flexible Double Degrees

W anu.edu.au/study/study-options/flexible-double-degrees

Bachelor degree + Bachelor degree

Study two undergraduate degrees at the same time and graduate with two qualifications.

- > Double your job prospects
- > It takes less time than studying two undergraduate degrees separately
- > Same full-time workload per year as studying a single undergraduate degree

Vertical Double Degree pathways

W science.anu.edu.au/study/double-degrees/vertical-double-degree-pathways

W health.anu.edu.au/study/double-degrees/vertical-double-degree-pathways

Bachelor degree + Master degree

Expand your career options with two qualifications.

- > In a Vertical Double Degree (VDD) pathway you can study a Bachelor and a Master in a shorter time.
- > Typically takes four years to complete.
- > Save on time and cost when compared with studying a Bachelor and Master separately.
- > All Master of Science plans can be taken in the VDD pathway

Science Bachelor options

- > Biotechnology*
- > Environment & Sustainability
- > Genetics*
- > Medical Science
- > Health Science
- > Science

Master options

- > Environment
- > Public Health
- > Science Communication
- > Science

*Program includes another prerequisite in addition to selection rank.

Pathway to secondary teaching with the University of Canberra

W science.anu.edu.au/study/pathway-secondary-teaching-uc

ANU and the University of Canberra have collaborated to create degree offerings for ANU science, health and medicine students which offer you a direct pathway to becoming a secondary teacher.

By combining a Bachelor degree from ANU with a Master of Secondary Teaching from UC, you will graduate with both an undergraduate and postgraduate degree.

The joint degree is offered for the following programs:

- > Bachelor of Mathematical Sciences
- > Bachelor of Science
- > Bachelor of Science (Advanced) (Honours)

What are majors, minors and specialisations?

Majors, minors and specialisations are groups of courses with a common theme that demonstrate you have concentrated your studies in a certain area. Each of the courses you take is worth a certain number of units, depending on how involved they are. Majors are 48 units, typically 8 courses, and are required to complete some degrees. Minors are 24 units, typically 4 courses. Specialisations also require 24 units but must be taken in conjunction with an associated major.

Majors, minors and specialisations are only required in the following degrees:

- > Bachelor of Environment & Sustainability
- > Bachelor of Environment & Sustainability Advanced (Honours)
- > Bachelor of Science
- > Bachelor of Science (Advanced) (Honours)

FLEXIBLE DOUBLE DEGREE COMBINATIONS

Looking for a degree with your name on it? Design your own flexible double degree. ANU offers more than 750 possible combinations.

Arts, Social Sciences, Business or Science

Four years full-time

Combine any two of the following degrees.

Bachelor of	2022 Selection Rank
Accounting ²	80
Actuarial Studies ⁴	92
Applied Data Analytics	90
Archaeological Practice	80
Art History and Curatorship	80
Arts	80
Asian Studies	80
Biotechnology ^{4,5}	80
Business Administration	80
Classical Studies	80
Commerce ^{2,3}	80
Criminology	80
Design	A+C
Development Studies	80
Economics	80
Environment and Sustainability	80
European Studies	80
Finance ³	80
Genetics ^{4,5}	85
Information Technology ⁴	80
International Relations	85
International Security Studies	85
Languages	80
Mathematical Sciences ⁴	90
Medical Science ^{4,5}	85
Middle Eastern and Central Asian Studies	80
Music ¹	80
Pacific Studies	80
Public Policy	85
Political Science	85
Politics, Philosophy and Economics	91
Science	80
Science (Psychology)	80
Statistics ⁴	80
Visual Arts	A+C

Law

Five years full-time

Choose to study the Bachelor of Laws (Hons) and combine it with a degree in a related field.

Bachelor of	2022 Selection Rank
Laws (Hons)	97
with one of the following degrees	
Accounting	80
Actuarial Studies ⁴	92
Applied Data Analytics	90
Archaeological Practice	80
Art History and Curatorship	80
Arts	80
Asian Studies	80
Biotechnology ⁴	80
Business Administration	80
Classical Studies	80
Commerce	80
Criminology	80
Design	A+C
Development Studies	80
Economics	80
Environment and Sustainability	80
European Studies	80
Finance	80
Genetics ⁴	85
Information Technology ⁴	80
International Relations	85
International Security Studies	85
Languages	80
Mathematical Sciences ⁴	90
Medical Science ⁴	85
Middle Eastern and Central Asian Studies	80
Music ¹	80
Pacific Studies	80
Public Policy	85
Political Science	85
Politics, Philosophy and Economics	91
Science	80
Science (Psychology)	80
Statistics ⁴	80
Visual Arts	A+C

Engineering or Advanced Computing

Five years full-time

Choose one of the following degrees and combine it with another one Engineering and Advanced Computing degree.

Bachelor of	2022 Selection Rank
Advanced Computing (Hons) ⁴	85
Advanced Computing (R&D) (Hons) ^{4,98}	98
Engineering (Hons) ⁴	85
Engineering (R&D) (Hons) ^{4,6}	98
with one of the following degrees	
Accounting ⁶	80
Actuarial Studies ⁴	92
Applied Data Analytics	90
Archaeological Practice ⁶	80
Arts	80
Art History and Curatorship ⁶	80
Asian Studies	80
Biotechnology ⁴	80
Business Administration	80
Classical Studies ⁶	80
Commerce	80
Criminology ⁶	80
Design ⁶	A+C
Development Studies ⁶	80
Economics	80
Environment and Sustainability	80
European Studies ⁶	80
Finance ³	80
Genetics ⁴	85
Information Technology ⁵	80
International Relations ⁶	85
International Security Studies	85
Languages	80
Mathematical Sciences ⁴	90
Medical Science ^{4,6}	85
Music ¹	80
Pacific Studies	80
Politics, Philosophy and Economics ⁶	91
Political Science ⁶	85
Public Policy ⁶	85
Science	80
Science (Psychology)	80
Statistics ⁴	80
Visual Arts ⁶	A+C

A+C: completion of Year 12 certificate + conditions apply including interview/portfolio.
See soa.anu.edu.au/apply for more information.

1 Entrance to performance courses are by audition. E schoolofmusic@anu.edu.au

2 Commerce with an accounting major cannot be combined with Bachelor of Accounting.

3 Commerce with a finance major cannot be combined with Bachelor of Finance.

4 Program includes another prerequisite in addition to minimum selection rank. See page <?>.

5 The degrees of Biotechnology, Genetics and Medical Sciences cannot be combined with one another. The degree of Advanced Computing cannot be combined with Information Technology.

6 The Bachelor of Engineering (R&D) (Hons) cannot be combined with any of these degrees.

PUTTING THEM TOGETHER

The courses you take will depend on the structure of your degree and any majors or areas of specialisation you choose to focus on during your studies at ANU.

Single Degree

e.g. Bachelor of Science

Year	Semester	Courses			
1	1	Science Major	Science Minor	Science Elective	Elective
	2	Science Major	Science Minor	Science Elective	Elective
2	1	Science Major	Science Minor	Science Elective	Elective
	2	Science Major	Science Minor	Science Elective	Elective
3	1	Science Major	Science Major	Science Elective	Elective
	2	Science Major	Science Major	Science Elective	Elective

Flexible Double Degree

Four year double degree e.g. Bachelor of Science/Bachelor of Arts

Year	Semester	Courses			
1	1	Science Major	Science Minor	Arts Major	Arts Minor
	2	Science Major	Science Minor	Arts Major	Arts Minor
2	1	Science Major	Science Minor	Arts Major	Arts Minor
	2	Science Major	Science Minor	Arts Major	Arts Minor
3	1	Science Major	Science elective	Arts Major	Arts Elective
	2	Science Major	Science elective	Arts Major	Arts Elective
4	1	Science Major	Science elective	Arts Major	Arts Elective
	2	Science Major	Science elective	Arts Major	Arts Elective

Vertical Double Degree pathway*

Four year vertical double degree pathway e.g. Bachelor of Science & Master of Science -generic study plan based on a Major and Minor and non specified Master degree

Year	Semester	Courses			
1	1	Bachelor (Major)	Bachelor (Minor)	Bachelor ANU Elective	Bachelor ANU Elective
	2	Bachelor (Major)	Bachelor (Minor)	Bachelor ANU Elective	Bachelor ANU Elective
2	1	Bachelor (Major)	Bachelor (Major)	Bachelor (Minor)	Bachelor Science Elective
	2	Bachelor (Major)	Bachelor Science Elective	Bachelor (Minor)	Bachelor Science Elective
3	1	Bachelor (Major)	Bachelor (Major)	Master	Master
	2	Bachelor (Major)	Bachelor Science Elective	Master	Master
4	1	Master	Master	Master	Master
	2	Master	Master	Master	Master

*Please note you can opt to complete a specialisation instead of a minor, a second Science major or another minor/specialisation as per the program requirements outlined on the Programs and Courses website - Semester 1 start

SCHOLARSHIPS

Our scholarships are helping students from all around the country study at Australia's #1 university.*

When you apply directly to study at The Australian National University (ANU), all you will need to do for us to consider you for a scholarship in 2023 is tick the scholarship box in your application form**.

Scholarships can help offset the cost of tuition fees, campus accommodation, travel and other study expenses – giving you more time and energy to focus on your studies and on getting the most out of university life.

Some of our scholarships go beyond the financial. They can link you to a community of likeminded scholars and give you access to opportunities that can help you make a difference in your community while developing networks that can enhance your career after graduation.

Go to anu.edu.au/study/scholarships for our full range of scholarship and eligibility requirements.

The Tuckwell Scholarship

With 25 scholarships awarded each year, the Tuckwell Scholarship is the most transformational undergraduate scholarship program in Australia. Exclusive to ANU, it could provide you with a minimum \$22,200 per year for up to five years and give you access to exclusive enrichment opportunities. And, after you graduate, you'll continue to enjoy lifelong membership of the global Tuckwell alumni network.

While you can express interest in the Tuckwell Scholarship in your direct application to ANU, you will need to apply for it separately.

Learn more at tuckwell.anu.edu.au

National Indigenous University and National Indigenous Merit scholarships

Recognising academic excellence during high school studies, the National Indigenous University Scholarship (NIUS) and the National Indigenous Merit Scholarship (NIMS) helps Indigenous students with the costs relating to tertiary study.

The NIUS is for students with an ATAR of 95.00 and above and the NIMS for students with an ATAR of between 90.00 to 94.94, excluding adjustment factors. Other eligibility criteria also apply.

National University Scholarship

The National University Scholarship (NUS) recognises the academic achievements of students in their secondary school studies and helps with the costs that relate to tertiary study. To be eligible for the NUS you will need a final ATAR of 99.90 or above (excluding adjustment factors). Other eligibility criteria also apply.

Australian National Scholarship

Each year, ANU offers up to 25 Australian National Scholarships to help talented students from disadvantaged backgrounds access higher education and to support them during their studies.

London Alumni Scholarship

Providing support to students who are experiencing financial hardship and other disadvantages, the new London Alumni Scholarship helps with the cost of study.

Love Scholarship

Promoting equity and diversity at ANU, the Love Scholarship is awarded to two students each year who have faced ongoing difficult circumstances that have seriously challenged their ability to study at university.

Kambri Indigenous Undergraduate Scholarship

The Kambri Indigenous Undergraduate Scholarship at The Australian National University (ANU) was established to ensure Indigenous students receive the support required to succeed at university. The scholarship assists students in completing an undergraduate degree program by providing a flexible package of ongoing monetary and pastoral support to study at Australia's national university.

The scholarship program aims to create a cohort of Indigenous scholars, to foster an environment of long-term mentorship, influence, and paying it forward to the community and Country.

*QS World University Rankings 2022

**If you apply directly to ANU for study in 2023 and tick the scholarship box, we will consider you for all eligible scholarships. If you apply through the Universities Admission Centre (UAC), you will need to check each scholarship on the ANU Scholarships website for information on whether you are eligible and how to apply.

PATHWAYS TO MEDICINE

The *Medicinae ac Chirurgiae Doctoranda* (MChD), Latin for Doctor of Medicine and Surgery, is a comprehensive and varied program for graduate students looking to enter the rewarding field of medicine. It aims to produce graduates who are committed to compassionate, ethical health care and the expansion of medical knowledge.

Students in the MChD study medical sciences, clinical skills, population health, professionalism and leadership, and also explore the social foundations of medicine, develop an understanding of Indigenous health in Australia, and gain insights and experience in health care in rural or remote Australia.

Pathways to MChD

There are three pathways available at ANU for direct admission to the MChD program that do not require completion of the GAMSAT (Graduate Australian Medical School Admissions Test).

Bachelor of Health Science

At the end of the second year in the ANU Bachelor of Health Science, up to 30 students may receive a conditional offer of entry to the MChD, contingent upon their GPA, an application statement, an interview process and pending successful completion of the three year Bachelor of Health Science. Up to ten of the 30 places are reserved for students from a rural background. There are also places reserved for applicants who are of Australian Aboriginal and/or Torres Strait Islander descent.

Admission requirements to entry in MChD:

The minimum weighted GPA: Yes

Admission interview: Yes

Application statement: Yes

Learn more about the program: health.anu.edu.au/study/bachelors/bachelor-health-science

Bachelor of Philosophy (Honours) - Science

Each year, ten places are reserved in our MChD program for students who successfully graduate from the ANU Bachelor of Philosophy (Honours) - Science, and meet the academic and interview requirements.

Admission requirements to entry in MChD:

The minimum weighted GPA: Yes

Admission interview: Yes

Application statement: Yes

Learn more about the program: science.anu.edu.au/study/bachelors/bachelor-philosophy-honours

Tuckwell Scholarship

The Tuckwell Scholarship to Medicine Pathway (Tuckwell-MChD pathway) is limited to successful applicants at the Tuckwell selection interviews. Students are required to have declared upfront an interest in studying medicine in all three stages of the Tuckwell application process. Completion of an undergraduate degree at the ANU is mandatory prior to commencing the MChD.

Scholars in the Tuckwell-MChD pathway apply directly to ANU and do not have to complete the GAMSAT or undertake an additional interview prior to entering the MChD program.

More information can be found at tuckwell.anu.edu.au

Standard admissions process

If you don't get an offer to the MChD through one of the above-mentioned Pathway Programs, you may still be eligible to apply through the standard admissions process as shown below. Students would be required to sit the GAMSAT and apply through GEMSAS.

What is the GAMSAT?

The GAMSAT (Graduate Australian Medical School Admissions Test) is an exam designed to assess the capacity to undertake high-level studies in medical and health professional programs. The GAMSAT evaluates skills and abilities gained during undergraduate study. Specifically, mastery of basic science concepts, problem solving, critical thinking and writing.

Applicants applying for the MChD must have:

- A Bachelor degree, or be in the final year of a Bachelor degree; and a
- The Graduate Australian Medical School Admissions Test (GAMSAT) result or the Medical College Admission Test (MCAT) result (Note: MCAT results are accepted for international applicants only).
- Met ANU English language requirements for admission.

Applicants meeting the requirements, will be ranked and considered for an interview based on a composite score derived from the weighted grade point average (GPA) and overall GAMSAT or MCAT score.

Offers for a place in the MChD program are based on a total combined score derived from the interview score and the composite GPA/GAMSAT or GPA/MCAT score used for the interview ranking.

Detailed information on the program and the admissions process is available in the ANU study medicine booklet.

Further information

T +61 2 6125 5605 or +61 2 6125 1304

E admissions.medicalschool@anu.edu.au

W medicalschool.anu.edu.au

PATHWAYS TO BECOME A PSYCHOLOGIST

In Australia, to register as a psychologist, you are required to complete approved university training and supervised practice.

At ANU, we offer three degree pathways accredited by the Australian Psychology Accreditation Council (APAC) that enable you to pursue a career as a registered psychologist in Australia.

The pathways are open to domestic and international students, who can apply to enter each phase of our pathways, such as Bachelors and Honours degree, or Masters level. Interested students are required to follow the admissions process and apply for each phase of the degree that they want to start their pathway from. More information about the pathways is available below.

Master of Professional Psychology Pathway

Duration: 6 years full time



Step 1. ANU bachelor degree majoring in Psychology

There are three APAC accredited bachelor's programs at ANU that allow you to complete psychology courses that are required for admission into the Master of Professional Psychology: Bachelor of Science (Psychology), Bachelor of Science and Bachelor of Arts.

Step 2. Master of Professional Psychology

This program is accredited by APAC and is the first in Australia to provide the fourth and fifth years of university study in the 5+1 pathway to registering as a psychologist. You will complete coursework on psychological assessment, interventions, professional skills and a group research project in the first year. This program includes practical placement experience in the second year.

Upon successful completion of the first year (48 units) of the Master of Professional Psychology, you will need to obtain Provisional Registration with Psychology Board of Australia (PsyBA) and satisfy other requirements through this process in order to enrol into the second year of the program that involves practical placements.

Step 3. Internship

You must undertake one year of internship training in the field under the auspices of the Psychology Board of Australia (PsyBA) that can be completed in a full-time or equivalent part-time arrangement. More information can be found on the 5+1 internship program website. Note: the internship is organised by students.

Step 4. National Psychology Exam

At the end of the internship, the final step in this pathway is to complete the National Psychology Exam. On successful completion, trainees will be eligible to apply for General Registration as a Psychologist.

Step 5. Apply for General Registration

* The bachelor's must be an APAC accredited three-year sequence. **Definition of terms such as major and honours at ANU can be found at policies.anu.edu.au/ppi/document/ANUP_002601

Master of Clinical Psychology Pathway

Duration: 6 years full time



Step 1. ANU Psychology Honours

At ANU there are five APAC accredited Honours programs that you can choose from: Bachelor of Arts (Honours), Bachelor of Philosophy (Honours), Bachelor of Psychology (Honours), Bachelor of Science (Honours) and Bachelor of Science (Psychology) (Honours). Note: some of these programs can be completed as three-year bachelor degrees with an additional fourth honours year.

Step 2. Master of Clinical Psychology

In this program you will study clinical coursework, undertake clinical field placements and conduct clinical research.

You will complete clinically relevant coursework over the two years of the Masters. In the first year you will undertake supervised clinical practice in the ANU Psychology Clinic, and in the second year complete two supervised clinical placements outside ANU. In addition to 1,000 hours of clinical placement, you will also conduct an approved empirical research project.

Students are required to apply for provisional registration at the commencement of the Masters course and remain provisionally registered over the duration of the course.

Step 3. Apply for General Registration

Do not need to complete the national psychology exam.

Step 4. Obtain Clinical Psychology Endorsement

Graduates from this pathway can apply for general registration with the Psychology Board of Australia (PsyBA), however in order to obtain clinical endorsement, they are required to complete 2 years of supervised practice.

Doctor of Philosophy (Clinical Psychology) Pathway

Duration: 4 years full time to complete the doctoral program
Program: Doctor of Philosophy (Clinical Psychology)

This APAC accredited doctorate degree consists of coursework, 1,000 hours of clinical placements and a research thesis equivalent to a PhD by research thesis in size and scope. It is designed for those who have a particular interest in the academic and research aspects of clinical psychology.

You can apply for general registration upon successful completion of the Doctor of Philosophy (Clinical Psychology) without taking the national psychology exam, however in order to obtain clinical endorsement, they are required to complete 2 years of supervised practice.

FAQ

How to apply for the Honours year in psychology at ANU if I complete my bachelor's at another Australian University?

External applications are welcome. If your undergraduate degree in Psychology was obtained from an APAC accredited institution and fulfills all of the ANU course requirements needed for Honours entry, then you will be eligible to apply for Psychology Honours at ANU. Note: the ANU grading criteria will be applied (e.g. if ANU has a higher cut-off than your institution, we will apply the ANU cut-off).

How to apply for a Psychology Masters at ANU if I completed my degrees elsewhere?

Australian Psychological Society Assessment is required if you studied outside of Australia, APAC Accredited sequence of study is required if you studied in Australia.

Useful links





Australian
National
University

Contact us

ANU College of Science
ANU College of Health and Medicine
The Australian National University

W science.anu.edu.au

W health.anu.edu.au

Student enquiries

T 1800 620 032

E future.student@anu.edu.au

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