



THE AUSTRALIAN NATIONAL UNIVERSITY  
AND BEIJING INSTITUTE OF TECHNOLOGY

ANU College of [Medicine, Biology & Environment](#)  
ANU College of [Physical and Mathematical Sciences](#)

## About ANU

The Australian National University (ANU) has a rich history of discovery and a culture of enquiry that offers students an exceptional and unrivalled learning environment.

Established by the Federal government in 1946 to lead the intellectual development of Australia through research and education of the highest international standards, ANU has evolved into one of the world's leading centres of research and scholarship.

ANU sets the standard in research, teaching and community engagement on issues of national and international significance. Our students learn and study alongside distinguished academics – individual thinkers at the forefront of their respective fields and who lead and shape debate at the global level, making vital breakthroughs and extending knowledge in profound directions.

ANU has strong relationships with important decision makers and remains a significant contributor to the advancement of Australia and its role in the world. ANU is closely aligned with national institutions, research organisations, foreign ministries, government offices and Parliament.

The University stands alongside other world-leading research and educational institutions as a member of the international alliance of research universities – a partnership based on a shared global vision, research-led teaching and a commitment to educating future leaders.

## ANU FAST FACTS

# 94%

94% of ANU research is rated 'above world standard' or 'well above world standard' by the Australian Government

## employability

ANU graduates have been rated the most employable in Australia\*

\* Global Employability University Rankings 2015

# 5,000

5,000 students live on campus (2015)

# 92%

ANU has the best student retention rate in Australia at 92%

# 6

ANU has produced six Nobel Prize winners

# 80%

80% of ANU academic staff hold a PhD (2015)

# 19

2015 QS World University Rankings

# 1

2015 QS Australian University Rankings

## ANU College of Medicine, Biology & Environment ANU College of Physical & Mathematical Sciences

ANU Science is made up of two academic colleges, including the ANU College of Medicine, Biology & Environment and the ANU College of Physical & Mathematical Sciences.

You'll find our researchers at the forefront of scientific practice and discovery.

Befitting the University's place among the top 20 universities globally, our academics produce research which changes lives, and life as we know it. We are committed to solving problems through big picture and applied scientific research, to better health, and to the sustainable, secure and equitable use of resources around the world.

Our students learn from these world-class researchers, as do Australia's policy-makers — with our expertise and influence extending to our Canberra neighbours, leaders in government and industry, and beyond.

We are proud of our standing, our history and our achievements. In the past 60 years we have produced four Nobel Laureates, some of Australia's most pre-eminent scientists and thousands of graduates with a world-class education in science and medicine.

### Research School of Physics and Engineering

ANU is home to Australia's largest university-based physics research activity, incorporating major national facilities, national networks, a significant technical manufacturing and prototyping capability, as well as a highly innovative teaching program.

We have a vibrant and highly collegial community of students, professional and academic staff, all of whom form our greatest asset.

ranked  
**2**

Physics at ANU is ranked second in Australia\*

\* QS University Rankings by Subject 2016.

## satisfaction

The ANU student satisfaction rate is highest amongst the top universities in Australia (Group of Eight)

# Nobel laureate

ANU Vice-Chancellor, Professor Brian Schmidt AO was a co-recipient of the Nobel Prize for Physics in 2011

## Australia's largest

ANU hosts the largest and most powerful ion accelerators in Australia.

## \$59,000

Undergraduate average full-time starting salary is AUD\$59,000\*

\* Australian Graduate Survey (AGS) 2014, coordinated by Graduate Careers Australia Ltd.

## employment

Australian Nuclear Science and Technology Organisation

BAE Systems

BHP Billiton

CSIRO

Defence Science and Technology Group

ExxonMobil

Google

International Information Security Consultants Pty

NASA

World Wide Technology

## Advanced Standing

BIT Bachelor Degree (first two years completed)	ANU Bachelor Degree	ANU Normal Duration	Credit	Pre-requisites
<p>Bachelor degree with a major in:</p> <ul style="list-style-type: none"> <li>&gt; Applied Physics</li> <li>&gt; Optoelectronics</li> </ul> <p>including completion of following courses:</p> <p>PHY18001 Introduction to Physics</p> <p>PHY18003 Mechanics</p> <p>PHY17051 Physics Lab A (I)</p> <p>PHY17052 Physics Lab A (II)</p> <p>07000036 Electromagnetism</p> <p>PHY18006 Optics</p> <p>PHY18007 Atomic Physics</p> <p>PHY17107 Theoretical Mechanics</p> <p>07000031 Thermal Physics</p> <p>MTH17003 Mathematical Analysis For Engineering (I)</p> <p>MTH17004 Mathematical Analysis For Engineering (II)</p> <p>COM17113 Mathematical Methods in Physics</p> <p>MTH17037 Probability and Statistics</p> <p>MTH17012 Linear Algebra A</p> <p>MAC03002 Fundamentals of Engineering Drawing</p> <p>COM07001 Computer Fundamentals</p> <p>COM07003C Programming Language</p> <p>COM17097 FORTRAN</p> <p>PHY17111 Computer Practice</p> <p>CHM17023 Chemistry B</p> <p>ELC06011 Digital Fundamentals B</p> <p>ELC06013 Digital Electronic lab B</p> <p>POL22008 Electronic Practice</p>	<p>Bachelor of Science with a major in:</p> <ul style="list-style-type: none"> <li>&gt; Physics</li> </ul>	3 years	1 year (48 units)	Average grade of 70% or above at BIT

\*All students must also meet ANU English language requirements before commencing studies at ANU. More information on ANU English language requirements can be found here: [https://policies.anu.edu.au/ppi/document/ANUP\\_000408](https://policies.anu.edu.au/ppi/document/ANUP_000408)

For students who do not meet ANU English language requirements, ANU College offers English language courses which students may undertake before commencing their degree. Please refer to the link above or contact us for more information on English language pathways.

For more details:

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ANU CRICOS Provider Number #00120C