

Your career

Careers in engineering are diverse, with high demand in Australia and overseas. As an ANU graduate with a systems engineering background, you will bring extra value to future employers.

Most importantly is that having completed the R&D engineering degree, you will have an added edge and will be uniquely positioned to either develop an R&D orientated career in the industry as an accredited engineer or undertake postgraduate research.

You will have the skills and knowledge to be a leader or innovator in the industry or work in academia.

“The world is moving so quickly now, and systems engineering gives you that grounding so that you can go easily into any different engineering field.”

Thomas Manley
Chief Architect, Optus Graduate,
Bachelor of Engineering

Year	Semester 1	Semester 2
1	Discovering Engineering Engineering Sciences Physics 1 Mathematics & Applications 1	Introduction to Mechanics Introduction to Electronics Programming for Scientists Mathematics & Applications 2
2	Systems Engineering Design Mechanical Systems & Design OR Electronic Systems & Design Computing for Engineering Simulation Research & Development Methods	Systems Engineering Analysis Engineering Major Research & Development Project Elective Course
3	Engineering Management Research & Development Project Engineering Major	Engineering Innovation Research & Development Project Engineering Elective Elective Course
4	Research & Development Project Elective Course	Practical Experience Systems Engineering Project Engineering Elective Engineering Major

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BACHELOR OF ENGINEERING
RESEARCH & DEVELOPMENT
(HONOURS)

ANU College of
Engineering &
Computer Science

Bachelor of Engineering (R&D) (Honours)

ATAR 99
Years 4
UAC Code 135000
CRICOS Code 060542F

Prerequisites
Specialist Mathematics (Major/Minor) ACT/
Mathematics Extension 1 NSW
Physics (recommended)

Do you want to make solar energy more efficient, create new technology in robotics or event develop materials to support the growth of human cells?

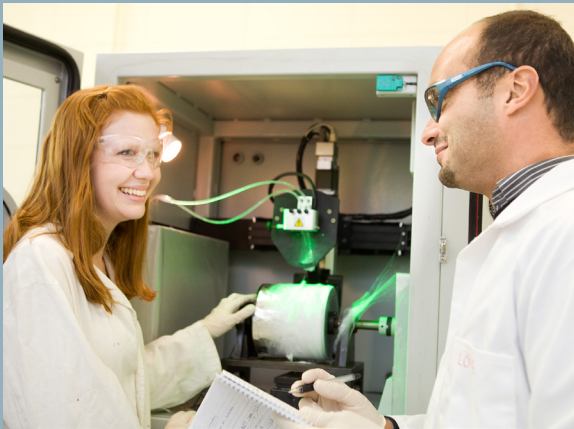
Are you a high-achieving student interested in becoming an innovator and a future leader in engineering?

Our Research and Development (R&D) degree is the right choice for you!

ANU has developed a number of unique degrees for high achieving students.

In Arts, Asia and the Pacific and Science these degrees are called a Bachelor of Philosophy (PhB).

The strong professional focus of studies in Engineering and Computing led to the degrees for high achievers in these disciplines being called Research and Development (R&D) degrees.



Be unique. Get Innovative

This elite engineering degree like no other in Australia, gives you access to an innovative structure allowing you to undertake advanced courses.

Most unique however, is that you will have the opportunity to work alongside distinguished researchers completing research projects in an area of interest.

You can study fundamental engineering courses while you are immersed in research groups covering biomedical engineering, mechatronics, solar energy, materials and manufacturing or computer vision.

Systems Engineering

The systems engineering framework of both ANU engineering degrees prepares students to design, analyse, and manage complex interdisciplinary systems or projects.

Designed with industry, this degree meets the demands of our rapidly advancing world.

It recognises that organisations need modern engineers who can adapt to new technologies, lead, and have skills across multiple fields of engineering.

Research and Development

This elite degree will give you the opportunity to work on real research projects with world leading researchers in the following research groups.

- > Applied Signal Processing
- > Sustainable Energy Systems
- > Computer Vision and Robotics
- > Materials and Manufacturing
- > Semiconductor and Solar Cells
- > Solar Thermal Energy
- > Systems and Control

Majors

Along with studying the core courses of the engineering degree and completing the research components, you will still be able take a major in engineering. Our majors include:

- > Biomedical Systems
- > Electronic and Communication Systems
- > Mechanical and Material Systems
- > Mechatronic Systems
- > Photonic Systems
- > Renewable Energy Systems
- > Sustainable Systems

Scholarships

There are a range of scholarships available for students who achieve an ATAR of 99 or above. For more information visit students.anu.edu.au/scholarships/



“The R&D degree really appealed to me as it meant I would have the opportunity to work with leading researchers in a variety of disciplines and get exposure to the different fields of engineering.”

Conor Horgan
Bachelor of Engineering (R&D) (Hons) /
Bachelor of Science