



UNSW Engineering

Bachelor of Engineering (Honours)/ Master of Engineering (Electrical Engineering)

Extend your knowledge working on cutting edge projects in this five-year Electrical Engineering degree. You'll receive both an undergraduate and a postgraduate qualification in Electrical Engineering. You'll also choose a minor from a large range of other engineering areas. You can also study a minor in areas such as mechatronics, computing, commerce, photovoltaics, music, satellite systems, mathematics, psychology or nuclear engineering. You'll graduate with the potential to accelerate your career path into senior engineering roles as well as engineering management.

What will your study involve?

This degree gives you a high-level analytical skillset to meet the needs of a technology-based world. Our courses offer significant time in the laboratory, providing you with critical practical experience. This combination advances your studies with increased specialisation and

improved flexibility when it comes time to begin professional work. This dual degree will give you an in-depth and broad engineering knowledge which provides more professional opportunities compared a single degree.

UNSW Electrical Engineering and Telecommunications

- We are ranked #1 in Australia and 37th globally for Electrical Engineering in the 2022 QS World University Rankings.
- We educate the next generation of innovative engineers with the skills and knowledge to make a positive impact on industry and the community.
- Our strong industry links provide opportunities for industry partnerships and professional development.
- Our facilities are globally renowned for developing industry standard practical experience.

Program details

Lowest Selection Rank (2022): 94.70

Duration: Five-year double degree with embedded honours and masters

Study areas: Energy Systems, Microsystems, Photonics, Systems and Control, Signal Processing, Wireless and Data Networks Broadening (minor) disciplines available, Commerce, Computing, Languages, Mathematics, Mechatronics, Music, Photovoltaics, Physics, Psychology, Internet of Things

Assumed knowledge: HSC level Mathematics Extension 1, Physics

Accreditation

Your Bachelor of Engineering (Honours) degree is recognised globally, accredited with Engineers Australia, and acknowledged by the Washington Accord which lets you work in over 20 countries across the globe upon graduation.

Career options

You could have a technical career in the telecommunications or biomedical fields, electrical company or private industrial group. You can also specialise in areas such as satellite systems, nuclear engineering, geospatial systems, photovoltaics and mechatronics.

Student Testimonials

"I believe Electrical Engineering has limitless potential. The creation and development of electricity was critical in the advancement of society, and the evergrowing demand and many applications means it's a very broad and versatile field. I chose UNSW for its wide resources and world-leading facilities."

Nisha Pradhan, Bachelor of Engineering (Honours)/Master of Electrical Engineering



Example study plan

	TERM 1			TERM 2			TERM 3		
YEAR 1	Higher Mathematics 1A	Digital Circuit Design	Introduction to Engineering Design & Innovation	Programming Fundamentals	Higher Mathematics 1B	Higher Physics 1A	Mathematics 2A	Higher Physics 1B	Electrical Circuit Fundamentals
YEAR 2	Many minors possible. Please seek advice from School for Years 2, 3, 4 and 5.								
YEAR 3									
YEAR 4									
YEAR 5									

You'll be required to complete 60 days of Industrial Training throughout your degree.

This is a sample degree outline only and may be subject to change. Please refer to the UNSW Handbook for further information and relevant course codes.