What do civil engineers do?
Civil engineers design, construct, manage, maintain and assess sustainability of modern infrastructure. They work on buildings, bridges, roads, tunnels, airfields, dams, ports, railways, new mine sites, water supply and sewerage schemes, irrigation systems and flood mitigation. Civil engineers undertake office and field work with a range of exciting and rewarding career opportunities available in Australia and abroad.

What will your study involve?
This highly sought-after UNSW degree will give you a solid foundation in civil engineering fundamentals and applications, within a framework of ethical and environmentally sustainable design practice. You'll study structural engineering, geotechnical engineering, transport engineering and water engineering, as well as construction and management. In your fourth year, you can choose from a full suite of electives. You can also incorporate a Humanitarian Minor into your degree. The development of your thesis involves opportunities to take charge of your learning and focus on the areas that spark your passion. You'll partake in student-led projects and industrial training.

Program details
**Lowest Selection Rank (2022):** 90
**Duration:** Four-year embedded honours degree
**Study areas:** Civil Engineering, Engineering Construction and Management, Geotechnical Engineering, Structural Engineering, Transport Engineering, Water Engineering
**Assumed knowledge:** HSC level Mathematics Extension 1, Physics
**Alternative Entry:** UNSW offers the Faculty of Engineering Admission Scheme (FEAS) which is a pathway for students interested in studying undergraduate engineering to support their academic results, find out more at [unsw.to/feas](http://unsw.to/feas)

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

Career options
Graduates find employment with specialist consulting firms, which vary in size from sole practitioners to major companies employing hundreds of engineers. Career opportunities include engineering consulting, construction and large public companies, and financial and management consultancies. Government organisations that construct, manage and maintain public utilities are big employers of civil engineers.

Student Testimonials
*UNSW offers a truly world-class engineering program, a massive amount of clubs and societies, impressive student-led projects and numerous exchange opportunities — it was a definite first choice for me. Some of the projects are tough, but I’m learning so much about the impact of modern engineering.*

George Chard, Civil Engineering
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.