Bachelor of Engineering (Honours) (Civil)

Civil engineers plan, design, construct, operate and maintain a variety of structures and facilities that benefit society—from roads and busways to bridges and buildings. They are also involved with the assessment of the impact of projects on the natural and social environment. Civil engineers have a responsibility to produce safe, economical and environmentally sound infrastructure for the community.

QUT’s engineering courses, whether a single or double degree, now include honours-level content integrated throughout the course. A bachelor honours degree is a higher-level qualification than a bachelor degree; and along with the advanced knowledge and skills, it will benefit you in your professional career, or future research and study. The duration of the degree remains unchanged: a single engineering honours degree is a four-year program, and a double degree is five years. Your engineering degree features common units in the first year that combine broad foundation principles with a wide range of major choices, giving you flexibility and options before you choose your career specialisation.

**Explore your options**

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**Why choose this course?**

By studying civil engineering at QUT you will be recognised for professional membership in Australia and overseas, giving you more employment opportunities. Because this course provides students with both broad knowledge and specialisations, its graduates are ready to start work in professional practice. Civil engineering at QUT is highly regarded for its strength in teaching and research. You will work closely with staff in an innovative learning environment that involves real-world hands-on activities. Your study plan for this specialisation includes the choice of a second study area.

**Subject prerequisites**

- Maths B

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies. Recommended study: Chemistry, Maths C and

**Genevieve De Michele**

**Industry relevant courses**

‘While at university I was offered employment as an undergraduate civil design engineer and an undergraduate fly-in fly-out site engineer. I was working in two very different fields but QUT really prepared me for the challenges of each role.’
Bachelor of Engineering (Honours) (Civil)

Physics.

Minimum English requirements
Students must meet the English proficiency requirements.

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<th>IELTS (International English Language Testing System)</th>
<th>Overall</th>
<th>Listening</th>
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Course structure
To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:

- First year (96 credit points): four core units 48cp + one Maths option unit 12cp + foundation strand options 36cp (include two discipline foundation units 24cp + one option unit 12cp)
- Major (192 credit points): one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp
- Complementary studies (96 credit points): one x second major or two x minor

Honours units to consist of:
- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

Careers and outcomes
Civil engineers can work as a consulting engineer, project manager, municipal engineer, structural engineer, transport engineer, geotechnical engineer or water engineer and may gain employment in government or semi-government agencies, construction firms, power generating authorities, mining firms, property development or consulting engineering firms. With suitable experience you may be able to establish your own consulting engineering practice. Your technical expertise may also bring career opportunities in unexpected areas like law, finance or entertainment.

Professional recognition
All graduates are eligible for an Engineers Australia (EA) membership. EA is a signatory to the Washington Accord, which permits graduates to work in various countries across the world. This course is recognised internationally in the engineering profession, giving QUT graduates more career opportunities overseas.

Scholarships
You can apply for scholarships to help you with study and living costs.

- QUT Excellence Scholarship (Academic)
- Women in Engineering Scholarship
- Equity scholarships scheme
- QUT Sport Scholarship (Elite Athlete)
- Undergraduate Indigenous Fee Waiver Commencing Student Scholarship

Work Integrated Learning
Work Integrated Learning (WIL) is embedded in the curriculum and it is a core component for all engineering students. WIL allows you to graduate with a portfolio of professional skills that provides evidence of your professional competencies.

You are required to undertake 60 days of approved work experience in the engineering environment as part of your work integrated learning.