Combine valuable skills and knowledge with the Bachelor of Engineering (Honours)/Bachelor of Science degree. You will complete two degrees in five years full time.

The majors available in the Bachelor of Engineering (Honours) include:
- chemical process
- civil
- computer and software systems
- electrical
- electrical and aerospace
- mechatronics
- mechanical
- medical

The majors available in the Bachelor of Science include:
- biological sciences
- physics
- chemistry
- earth science
- environmental science

Our 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.

The Bachelor of Science will give you diverse perspectives to fuel your spirit of inquiry, as well as flexible study choices and the opportunity to prepare for non-traditional science careers. Your science studies have been carefully designed to give you the skills you need for success.

**Why choose this course?**

As an engineering graduate, you will be technically competent in the fundamentals of mathematics, science, and engineering, with advanced knowledge in at least one specialist area of engineering. The course includes a design stream as well as a capstone project where you will design and build an engineering artefact using an advanced level of skill while developing your professional capability as an engineer. The course will help you to develop an awareness of the important social, environmental and economic impacts of your engineering decisions, and prepare you for practice as internationally recognised professional engineer.

The Bachelor of Science gives you the opportunity to collaborate with your peers and teaching staff in our exciting new learning environments. You will explore real world problems from multiple scientific perspectives and learn the tools of the trade. Your major will provide you with in-depth knowledge and expertise in a scientific discipline, preparing
Bachelor of Engineering (Honours)/Bachelor of Science

you for entry into the workforce or further study.

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 Physics.

Minimum English requirements
Students must meet the English proficiency requirements.

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<th>IELTS (International English Language Testing System)</th>
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<tr>
<td>Overall</td>
<td>6.5</td>
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<td>Listening</td>
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<td>Reading</td>
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<td>Writing</td>
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<td>Speaking</td>
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Course structure
To graduate with a Bachelor of Engineering (Honours) in SE80, students are required to complete 288 credit points of course units, as outlined below:
• First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
• Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

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

Careers and outcomes
This double degree offers you a wide range of career opportunities.

Graduates can work as professional engineers in a variety of discipline areas. Depending on your area of engineering specialisation, you could work with construction companies, environmental specialists, computer manufacturers, communications and digital signal processing products manufacturers, cable and network equipment manufacturers, defence agencies, electricity utilities, mining industry, telecommunications companies, automated systems and robotics, Civil Aviation Safety Authority, or power generation and supply industry.

Graduates of the Bachelor of Science are skilled in many aspects of scientific study including: biological sciences, chemistry, earth science, environmental science and physics. Careers might include science writing, teaching, policy development, or commercialisation and management of biological products and processes.

Professional recognition
All graduates are eligible for an Engineers Australia membership. Graduates from the Computer Systems and Software major can also become members of the Australian Computer Society. Science graduates may be eligible for a membership to a number of professional bodies depending on choice of major and unit selection.

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.