But seriously, what is engineering?
CIVIL ENGINEER If it were not for engineer Ove Arup, the Sydney Opera house would have never been built!

ELECTRICAL ENGINEER Hollywood’s Golden Age movie star, Hedy Lamarr, co-patented a frequency-hopping device that was used on war ships to guide torpedoes. Her technology was later used by electrical engineers to develop GPS, WiFi, and Bluetooth.

BIOLOGICAL ENGINEER UQ’s Professor Mark Kendall invented a new method to deliver the polio vaccine. His needle-free Nanopatch requires 40 times less vaccine dosage than the traditional needle and syringe, while producing the same level of immunity.

MECHANICAL ENGINEER Using the principles of mechanical engineering, Mary Anderson invented the windshield wiper in 1903, relieving drivers of having to stick their head out the window when travelling in the rain!

CHEMICAL ENGINEER Chemical engineer Erik Rotheim is responsible for aerosol cans, giving life to hair spray, bug repellent, sunblock and deodorants.

SOFTWARE ENGINEER Alexey Pajitnov graduated with a software engineering degree and went on to invent Tetris, providing video game addiction for millions globally.

BIOMEDICAL ENGINEER Professor Stuart Crozier, a biomedical engineer from UQ, improved the resolution of MRI machines to enable faster, more accurate images. 60-70 per cent of the world’s clinical MRI machines have incorporated this technology in the last 20 years.

ENGINEERS are creative innovators

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8 awesome things about engineering at UQ

1. PRACTICAL LEARNING
From day one, you’ll gain hands-on experience in all aspects of engineering thanks to our amazing first-year Demo Week! Make new friends instantly on practical projects where you’ll design and build things such as autonomous watercraft, bridges and fully-functional mining equipment, while tackling important global issues such as water recycling in Zambia and global warming.

2. FUN UNI LIFE
University isn’t just about hitting the books – we have a huge range of extra-curricular activities to make sure you have the best fun at uni, while getting a world-class degree. Get involved in UQ Abroad exchanges, student societies, UQ Racing, UQ Idea Hub, and a huge range of events, including networking events, find a mentor and much more!

3. JOBS
There are so many jobs out there for engineering graduates. Civil engineering, wind and renewable energy industries, in particular are tipped to boom in the next five years (www.news.com.au). so get set to future-proof your career!

4. FLEXIBILITY
UQ offers the largest range of engineering specialisations of any Queensland university and has heaps of opportunities to get out of the classroom and experience life as an engineer first-hand.

5. INDUSTRY CONNECTIONS
We’re really well connected with industry, so we know what skills they want our graduates to have and what kinds of research will benefit the community. For example, Boeing just moved their Brisbane research and development HQ on to campus, and our internship partners IBM and Google offer a number of paid internship opportunities to students each year.

6. SUPPORT
We have a mountain of scholarships to offer students, thanks to our generous donors, so there’s nothing that can hold you back from your engineering dreams!

7. WORLD CLASS
We’ve been ranked as ‘world class or above’ in all of our engineering disciplines (2015 ERA assessment), and our environmental engineering subjects were ranked 6th best in the world and the best in Australia (2017 CWUR rankings).

8. FACILITIES
The beautiful UQ campus offers the best facilities in town, with the famous Forgan Smith sandstone building, the Lakes and the Great Court. Our purpose-built Advanced Engineering Building will make you feel like you’re always at the heart of the action in your field. Our specialist facilities also include a drone lab, virtual-reality immersive learning room, hypersonic shock super-speed tunnels, a race car workshop and a fire lab.
BACHELOR OF ENGINEERING (Honours)

Duration
4 years full-time

Entry requirements*
Queensland Year 12 or equivalent; English; Mathematics B; plus one of Physics or Chemistry

Both Chemistry, Physics and Mathematics C are recommended.

Accredited by
Engineers Australia

*For the complete list of entry requirements please refer to future-students.uq.edu.au

BACHELOR OF ENGINEERING (Honours) / MASTER OF ENGINEERING

Duration
5 years full-time

Entry requirements*
Queensland Year 12 or equivalent; English; Mathematics B; plus one of Physics or Chemistry

Both Chemistry, Physics and Mathematics C are recommended.

Accredited by
Engineers Australia

LOCATION
Faculty of Engineering, Architecture and Information Technology
Level 2, Hawken Engineering Building (50)
The University of Queensland
Queensland 4072
Australia

OFFICE HOURS
8:30am - 5:00pm
Monday - Friday

STUDENT ENQUIRIES
E-mail: ask@uq.edu.au
Phone number: +61 3 3346 9872

We're on social media!
Find out more about the awesome stuff our students get to do by finding us on:

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future-students.uq.edu.au

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