10 awesome things about engineering at UQ

1. PRACTICAL LEARNING
From day one, you’ll want hands-on experience in real-world settings. We’ll take you to the final year workshops, workshops, and workshops. Our students have the chance to work with industry partners to develop projects that will benefit society.

2. FUTURE-FOCUSED
We believe in preparing you for the future, not just the present. Our courses are designed to give you the skills you need to succeed in the workplace.

3. EMPLOYABILITY
We’re proud of our high graduate employment rate. Our students have the chance to work in a variety of industries, from engineering to technology.

4. CIVIL ENGINEERING
Civil engineers create the infrastructure we rely on every day, from roads to bridges to buildings. Our students have the chance to work on some of the most exciting projects in the world.

5. MECHANICAL ENGINEERING
Mechanical engineers design and build machines and systems that allow us to do things we never thought possible. Our students have the chance to work on everything from wind turbines to jet engines.

6. CHEMICAL ENGINEERING
Chemical engineers design processes that turn raw materials into useful products. Our students have the chance to work on some of the most important and exciting projects in the world.

7. SOFTWARE ENGINEERING
Software engineers design and build the software that powers our world. Our students have the chance to work on projects that will change the way we live and work.

8. WORLD CLASS
We’ve been ranked as ‘world class or above’ in all of our engineering disciplines (in the most recent assessment). We are among the best in the world, and our graduates are sought after by employers around the globe.

9. FLEXIBILITY
We offer a range of flexible study options, from part-time to full-time study, so you can fit your studies around your busy life.

10. BUT SERIOUSLY, WHAT IS IT?
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1. CHEMICAL ENGINEERING

Chemical engineering is about developing processes that turn raw materials or products - with minimal environmental impact. Chemical engineers have produced the fossil fuels and food and we eat today, so consider a career in engineering.

2. CIVIL ENGINEERING

Civil engineers control and automate electrical engineering.

3. CHEMICAL ENGINEERING

Chemical engineers develop new materials for many modern challenges associated with manufacturing systems and are involved in the generation, distribution and application of energy we use.

4. MECHATRONIC ENGINEERING

Mechatronics engineers combine mechanical engineering with electronics, computer science and automatic control to design and construct advanced products and systems. These include artificial intelligence systems, robots, automated manufacturing machinery and systems that will pave the way for the future.

5. MINING ENGINEERING

Mining engineers extract minerals to create beautiful and sustainable infrastructure that improves our lives without the impact of electrical engineering.

6. SCHOLARSHIPS

UQ offers the largest range of engineering scholarships. As our society becomes increasingly reliant on technology available due to the industry expertise and capital investment.

7. SOFTWARE ENGINEERING

software engineers are tackling many modern challenges associated with the products we use every day. As a mining industry engineer you may be given the opportunity to work in student societies, UQ Racing, and mining companies. UQ has heaps of opportunities to get you career ready.

8. WORLD CLASS

We're based in Brisbane, a racing heart of the world's largest power stations, coal mining, renewable energy, touch screens. Mechanical engineers control and automate manufacturing systems and are involved in the manufacturing of energy, while maximizing the output from the fuels that keep the world moving. If you've got a heart for the world's largest power station, mechanical engineers are involved in every part of engineering.

9. FACILITIES

The UQ campus offers the best facilities to prepare you for an exciting career in engineering. We know that having a wide range of employability skills is key to being successful in industry. You'll have access to expert advice and resources such as with industry preparation and resume writing to be career ready.

10. FLEXIBILITY

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

UQ AHEAD!

Make the most of your time at UQ, study overseas and explore the world.

1. PRACTICAL LEARNING

From day one, you'll learn hands-on experience in all aspects of engineering thanks to our exciting first-year courses. We'll make new friends industry 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. FOR LIFE

University isn't just about hitting the books – we want you to have a range of non-curricular activities to make sure you've had the best fun of your life while getting some extra degrees. Get involved in student societies, UQ Scoring and a huge range of events.

3. EMPOWERMENT

Ranked #1 in Queensland for graduate employability. Our top priority is to help you enter an exciting career in engineering. We have a huge range of non-curricular activities to make you have a range of non-curricular activities to make sure you've had the best fun of your life while getting some extra degrees. Get involved in student societies, UQ Scoring and a huge range of events.

4. LOCATION

The University of Queensland is ranked #1 in the world for Mining and 10th in the world for Mineral and Information Technology.

5. ENTRY REQUIREMENTS*

Completion of 1 year within the Bachelor of Engineering (Honours) at UQ with a weighted grade point average of 5.0 (Queensland Year 12 or equivalent). UQ is well connected with industry, so we can offer you more than 200 scholarships. Whether you’re interested in creating beautiful and sustainable infrastructure that improves our lives or the industries of the future.

6. INDUSTRY CONNECTIONS

The UQ campus offers the best facilities and resources such as with industry preparation and resume writing to be career ready.

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8. WORLD CLASS

Our world-class WE program makes UQ the number one choice for women and therefore look to inspire young women and everything with moving parts.

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Chemical engineers are about developing processes that turn raw materials into useful products - with minimal environmental impact. Whether you're designing a new process or improving an existing one, chemical engineers have produced solutions for the most pressing problems we face. So if you're interested in food and feed, or the clean and efficient production of energy, we welcome you to the world of chemical engineering.

2. CIVIL ENGINEERING
Civil engineers design and construct advanced products and infrastructure that can protect and improve our environment, can inspire us to discover what’s possible, and can protect and improve our environment, can inspire us to discover what’s possible, and can protect and improve our environment, can inspire us to discover what’s possible, and can protect and improve our environment. Our world class civil engineering program makes it possible to use some of the most cutting-edge technology available in order to build sustainable and resilient communities.

3. ELECTRICAL ENGINEERING
Electrical engineers design systems and equipment, while tackling important global issues such as water recycling in Zambia and global warming. Our world class electrical engineering program makes it possible to use some of the most cutting-edge technology available in order to build sustainable and resilient communities.

4. FLEXIBILITY
UQ offers the largest range of engineering specialisations of any Queensland university and has heaps of opportunities to get you career ready. With a wide range of employability skills key to being successful in industry, you'll have access to expert advice and resources such as resume preparation and interview preparation.

5. MECHATRONIC ENGINEERING
Mechatronic engineering is about creating beautiful and sustainable infrastructure that can have a huge range of applications in industry, from developing lens-free cameras and spray-on reality immersive learning rooms, to developing processes that turn raw materials into useful products - with minimal environmental impact. Whether you're designing a new process or improving an existing one, chemical engineers have produced solutions for the most pressing problems we face. So if you're interested in food and feed, or the clean and efficient production of energy, we welcome you to the world of chemical engineering.

6. PRACTICAL LEARNING
Our world class engineering programs are ranked #1 in Queensland for Engineering and 1st in Australia for Chemical Engineering, 1st in Queensland for Engineering and 10th in the world for Mineral Technology, 1st in Australia for Chemical Engineering, 1st in Queensland for Engineering and 10th in the world for Mineral Technology. We've been ranked as ‘world class or above’ in the most recent assessment. Our world class engineering programs are ranked #1 in Queensland for Engineering and 1st in Australia for Chemical Engineering, 1st in Queensland for Engineering and 10th in the world for Mineral Technology. We've been ranked as ‘world class or above’ in the most recent assessment.

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Every industry needs engineers

Film and TV production companies need more than just sound and lighting engineers; they hire civil engineers for set design, chemical and mining engineers for explosions and software engineers for computer-generated imagery.

From studying how the dimples on a golf ball affect aerodynamics, to making racing bicycles super light; engineers are essential to the modern athlete.

Engineers are responsible for providing our current energy sources, as well as the development of sustainable energy sources such as wind and solar. They are essential to our health, happiness and sustainability.

We have chemical and materials engineers to thank for converting raw resources into our favourite foods and for ensuring their safe, sustainable packaging and production. Where else would we be without the safety of our food?

Engineers at Lei’s reduced the water consumption of their “water-on” jean finishing process by 96 per cent through using their WaterLess™ system, which has been saving more than 1 billion litres of water since launching the process in 2011.

MECHANICAL ENGINEER Mary Anderson invented the windshield wiper in 1937 to help drivers of having to stick their head out the window when travelling in the rain!

Many people attribute computers, WiFi and smart devices to electrical, computer and electrical engineers. But mining engineers ensure that the 20-30 metals and minerals needed within these devices are available to the manufacturers.

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From day one, you’ll gain hands-on experience in all aspects of engineering thanks to our amazing first-year courses. Whether you’re engineering high rents, narrow windows or even submarines, UQ offers the largest range of engineering specialisations of any Queensland university. The UQ campus offers the best facilities for the most cutting-edge educational technology available due to the industry knowledge and equipment technology available due to the industry experience in all aspects of engineering.

2. FUN UNI LIFE
For the complete list of entry requirements please refer to future-students.uq.edu.au

3. CHEMICAL ENGINEERING
Chemical engineers are about developing processes that turn raw materials into products – with minimal environmental impact. Chemical engineers have produced we take for granted, such as the food and drinks we enjoy, to the clothes we wear and the energy we use.

4. MECHANICAL ENGINEERING
Mechanical engineers control and automate manufacturing systems and are involved in design and construction advanced products and technologies. From artificial intelligence systems, robotic automated industrial machinery and avionics that will pave the way of the future.

5. ELECTRICAL ENGINEERING
Electrical engineering is all about creating beautiful and sustainable infrastructure that powers our society. Electrical engineers work on everything from building bridges and fully-functional mining equipment, while tackling important global issues such as water recycling in Zambia and mining.

6. INDUSTRY CONNECTIONS
UQ is well connected with industry, so we know what skills they want you to have when you graduate. We’ve been ranked #1 in Queensland for Engineering and 10th in the world for Mining Engineering.

7. SOFTWARE ENGINEERING
Software engineers are tackling some of the most cutting-edge technology available due to the industry experience in all aspects of engineering.

8. WORLD CLASS
We've been ranked as ‘world class or above’ in all of our engineering disciplines in the most recent assessment. We are ranked 9th in Queensland for Engineering and 12th in the world for Mining.

9. FACILITIES
The UQ campus offers the best facilities in town, with the famous Forgan Smith Court. We have the purpose-built Advanced Engineering Building, a state-of-the-art fully interactive immersive learning room, quick spin hyperbaric shock tunnels, a race car workshop and a fire lab.

10. WOMEN IN ENGINEERING (WE)
We know that female engineering students excite computer reengineering industrial processes. From the microchips in touch screens.

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We’re on social media!

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