1. CHEMICAL ENGINEERING
Chemical engineers design processes for the production of chemicals, materials, fuels, food, and pharmaceuticals. They study the properties and behavior of chemicals, the processes of chemical change, and the chemicals involved to develop new substances or materials.

2. ELECTRICAL ENGINEERING
Electrical engineers design, develop, test, and supervise the manufacture of electrical equipment, such as electric switches, transformers, and circuit breakers.

3. MECHANICAL ENGINEERING
Mechanical engineers design, develop, test, and supervise the manufacture of mechanical systems, such as machines, engines, and devices.

4. MECHATRONIC ENGINEERING
Mechatronic engineers design and develop systems that integrate mechanical, electronic, and software components to create intelligent, autonomous systems.

5. MICHEATRONIC ENGINEERING
Mechatronic engineers design and develop systems that integrate mechanical, electronic, and software components to create intelligent, autonomous systems.

6. INDUSTRY CONNECTIONS
UQ is well connected with industry, so we know what skills they want to have. Our strong network of industrial partners means you'll have access to great work placements during your degree.

7. SCHOLARSHIPS
UQ offers a range of scholarships to support your studies and help you achieve your career goals.

8. WORLD CLASS
UQ is ranked in the top 1% of universities worldwide. Our world-class facilities and resources provide you with the best possible learning experience.

9. FACILITIES
UQ offers a wide range of state-of-the-art facilities to support your learning and research.

10. WOMEN IN ENGINEERING (WE)
Women in Engineering (WE) is a national program that encourages girls to pursue careers in engineering.

But seriously, what is it?

1. PRACTICAL LEARNING
From day one, you’ll gain hands-on experience in all aspects of engineering through practical classes and workshops.

2. FLEXIBILITY
UQ offers a range of engineering specialisations to suit your interests and career goals.

3. PRACTICAL LEARNING
From day one, you’ll gain hands-on experience in all aspects of engineering through practical classes and workshops.

4. FLEXIBILITY
UQ offers a range of engineering specialisations to suit your interests and career goals.

5. MECHATRONIC ENGINEERING
Mechatronic engineers design and develop systems that integrate mechanical, electronic, and software components to create intelligent, autonomous systems.

6. INDUSTRY CONNECTIONS
UQ is well connected with industry, so we know what skills they want to have. Our strong network of industrial partners means you’ll have access to great work placements during your degree.

7. SCHOLARSHIPS
UQ offers a range of scholarships to support your studies and help you achieve your career goals.

8. WORLD CLASS
UQ is ranked in the top 1% of universities worldwide. Our world-class facilities and resources provide you with the best possible learning experience.

9. FACILITIES
UQ offers a wide range of state-of-the-art facilities to support your learning and research.

10. WOMEN IN ENGINEERING (WE)
Women in Engineering (WE) is a national program that encourages girls to pursue careers in engineering.
10 awesome things about engineering at UQ

But seriously, what is it?

1. CHEMICAL ENGINEERING
Chemical engineers understand the development processes that turn raw materials into useful, everyday products. They design new processes and products - with minimal environmental impact - which we take for granted, such as the food and drinks we enjoy, to the clothes we wear and the energy we use.

2. CIVIL ENGINEERING
Civil engineering is all about creating beautiful and sustainable infrastructure that protects and improves our lives. This could be as basic as a new footpath, or as complex as a new dam. We work on everything from building bridges, roads and harbours to dams, airports, utility supply and public health.

3. ELECTRICAL ENGINEERING
Electrical engineers design, construct, operate and maintain electrical energy infrastructures. Everything, from your smart phone to the power station generating the electricity for your TV, is powered by the work of electrical engineers. It’s hard to imagine our lives without the impact of electrical engineering.

4. MECHANICAL ENGINEERING
Mechanical engineers control and automate manufacturing systems and are involved in the generation, distribution and use of energy. From the world’s largest power stations, mechanical engineering involves anything and everything with moving parts.

5. MECHATRONIC ENGINEERING
Mechatronic engineers combine mechanical engineers with electronics, computer systems and controls in order to design intelligent systems, robotics, automated industrial machinery and avionics that will pave the way of the future.

6. MINING ENGINEERING
Mining ing is essential to the modern lifestyle. Mining engineers extract minerals to create the products we use every day. You’ll work in teams, sometimes located far from home, with some of the most cutting-edge technology available due to the industry being highly automated and capital intensive.

7. SOFTWARE ENGINEERING
As our society becomes increasingly reliant on technology and computers become integrated into machines and products, one of our biggest challenges is creating the seamless software that makes this technology useful. Software engineers are building many modern challenges associated with computers, including cutting-edge artificial intelligence systems, robot navigation, and everything in between.

8. INDUSTRY CONNECTIONS
Engineering degrees at UQ are connected to real-world projects where you’ll design and build things such as autonomous windfarms, bridges and fully-functional mining equipment, while taking important global issues such as water recycling in Zambia and global warming.

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

10. WOMEN IN ENGINEERING (WE)
Our world-class WE program makes UQ the number one choice for women studying engineering. WE understands the importance of diversity in the workplace and therefore looks to inspire young women to consider a career in engineering.
1. CHEMICAL ENGINEERING
Chemical engineers are involved in developing processes that turn raw materials into products, and in the design and construction of all kinds of industrial equipment. Engineers in this field usually have degrees in engineering and a minor in chemistry. They work with scientists and other engineers to develop new materials, new processes, and new products. They are often involved in research and development to improve existing products or to develop new ones.

2. INDUSTRY CONNECTIONS
The University of Queensland (UQ) is well connected with industry, so we know what skill sets they want to see from our graduates. Our students have the opportunity to gain real-world work experience while they are still studying. We have a strong focus on research and development at UQ, and we work closely with industry partners to ensure that our students are well-prepared for the workplace.

3. PRACTICAL LEARNING
The University of Queensland offers a wide range of practical learning opportunities for students in all disciplines. From day one, you’ll gain hands-on experience in laboratories and workshops, and you’ll work on real-world projects. You’ll have the opportunity to use some of the most cutting-edge technology available due to the industry partnerships we’ve formed. Our students get to do by finding us on: @UQEAIT

4. INDUSTRY CONNECTIONS
The University of Queensland has strong industry connections. We have a dedicated team of industry advisors who work closely with our students to help them develop the skills they need to succeed in the workplace. We also offer a range of programs and services to help students prepare for their future careers, including interview preparation and resume writing, as well as advice and resources such as assistance with internships and job hunting.

5. MECHATRONIC ENGINEERING
Mechatronic engineers are a blend of mechanical engineers and computer scientists. They design and develop systems that combine mechanical and electrical components, such as robotic machinery, automated industrial machinery, and avionics that will pave the way of the future. Many of the items chemical engineers work on every day, such as the food and drinks we grant, such as Boeing just moved their Brisbane research and development HQ on campus.

6. MECHANICAL ENGINEERING
Mechanical engineers design and develop physical systems, such as engines, machines, and structures. They work on everything from building bridges and fully-functional mining equipment, while tackling important global issues such as water recycling in Zambia and global warming.

7. SOFTWARE ENGINEERING
Software engineers are involved in the development of computer systems and controls in order to make projects work. They work closely with mechanical engineers to ensure that their hardware components are designed to be compatible with the software. Software engineers are often involved in research and development to improve existing products or to develop new ones.

8. MEETING ENGINEERING
Mining engineers extract minerals from the earth's resources. From artificial intelligence, machine learning, and robotics, they work closely with electrical engineers to design and develop equipment. From day one, you’ll gain hands-on experience in laboratories and workshops, and you’ll work on real-world projects. You’ll have the opportunity to use some of the most cutting-edge technology available due to the industry partnerships we’ve formed. Our students get to do by finding us on: @UQEAIT

9. SERIES ENGINEERING
Software engineers are involved in the development of computer systems and controls in order to make projects work. They work closely with mechanical engineers to ensure that their hardware components are designed to be compatible with the software. Software engineers are often involved in research and development to improve existing products or to develop new ones.

10. WOMEN IN ENGINEERING (WIE)
Our women's group is a great way for young women to learn about engineering and gain practical experience. We offer regular workshops, seminars, and networking events to help our members develop the skills they need to succeed in the workplace. We also offer a range of programs and services to help our members prepare for their future careers, including interview preparation and resume writing, as well as advice and resources such as assistance with internships and job hunting.

11. 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
Accredited by: Engineers Australia

12. 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
Accredited by: Engineers Australia

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

LOCATION
Faculty of Engineering, Architecture and Information Technology
Level 2, Heaton Engineering Building (530)
The University of Queensland
Brisbane 4072
Australia

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

STUDENT ENQUIRIES
Email: info@uq.edu.au
Phone: +61 3 3346 9872

The University of Queensland
Create change

We’re on social media!
Find out more about the awesome stuff our students get to do:
@UQEngTech
@UQEAIT
@UQMining
future-students.uq.edu.au

But seriously, what is it?
Every industry needs engineers

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. Please note that these engineers are responsible for ensuring a product’s safety and functionality.

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 bikes so light, engineers are essential to the modern athlete.

Engineers are essential to our health, happiness and sustainability

Engineers are responsible for providing our current energy sources, as well as the development of sustainable ones such as wind and solar energy that will power future cities and help reduce greenhouse gas emissions.

Through water sanitation and wastewater removal, civil and environmental engineers are critical to our health as doctors. They run the World Health Organisation, half of the world’s hospitals and private health facilities.

Many people attribute computers, WiFi and smart devices to electrical, software and mechanical engineers, but mining engineers ensure that the raw materials needed within these devices are available to the manufacturers.

The mining industry is being made safer thanks to engineers who are developing new technology, such as the U.S. Department of Transportation’s So buckle up!

Engineers are creative innovators

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

Engineers are essential to our health, happiness and sustainability

Engineers are responsible for providing our current energy sources, as well as the development of sustainable ones such as wind and solar energy that will power future cities and help reduce greenhouse gas emissions.

Through water sanitation and wastewater removal, civil and environmental engineers are critical to our health as doctors. They run the World Health Organisation, half of the world’s hospitals and private health facilities.

Many people attribute computers, WiFi and smart devices to electrical, software and mechanical engineers, but mining engineers ensure that the raw materials needed within these devices are available to the manufacturers.

The mining industry is being made safer thanks to engineers who are developing new technology, such as the U.S. Department of Transportation’s So buckle up!

Engineers are creative innovators

Molecular biologists research the building blocks of life, from chemical reactions to the genetic makeup of a single cell. They study living things at the molecular level, from proteins to viruses, and from the genetic material that makes up an organism to the molecules that make up the environment. They also study the environment and how it affects living things.

Every industry needs engineers

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. Please note that these engineers are responsible for ensuring a product’s safety and functionality.

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 bikes so light, engineers are essential to the modern athlete.

Engineers are essential to our health, happiness and sustainability

Engineers are responsible for providing our current energy sources, as well as the development of sustainable ones such as wind and solar energy that will power future cities and help reduce greenhouse gas emissions.

Through water sanitation and wastewater removal, civil and environmental engineers are critical to our health as doctors. They run the World Health Organisation, half of the world’s hospitals and private health facilities.

Many people attribute computers, WiFi and smart devices to electrical, software and mechanical engineers, but mining engineers ensure that the raw materials needed within these devices are available to the manufacturers.

The mining industry is being made safer thanks to engineers who are developing new technology, such as the U.S. Department of Transportation’s So buckle up!

Engineers are creative innovators

Molecular biologists research the building blocks of life, from chemical reactions to the genetic makeup of a single cell. They study living things at the molecular level, from proteins to viruses, and from the genetic material that makes up an organism to the molecules that make up the environment. They also study the environment and how it affects living things.

Every industry needs engineers

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. Please note that these engineers are responsible for ensuring a product’s safety and functionality.

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 bikes so light, engineers are essential to the modern athlete.

Engineers are essential to our health, happiness and sustainability

Engineers are responsible for providing our current energy sources, as well as the development of sustainable ones such as wind and solar energy that will power future cities and help reduce greenhouse gas emissions.

Through water sanitation and wastewater removal, civil and environmental engineers are critical to our health as doctors. They run the World Health Organisation, half of the world’s hospitals and private health facilities.

Many people attribute computers, WiFi and smart devices to electrical, software and mechanical engineers, but mining engineers ensure that the raw materials needed within these devices are available to the manufacturers.

The mining industry is being made safer thanks to engineers who are developing new technology, such as the U.S. Department of Transportation’s So buckle up!

Engineers are creative innovators

Molecular biologists research the building blocks of life, from chemical reactions to the genetic makeup of a single cell. They study living things at the molecular level, from proteins to viruses, and from the genetic material that makes up an organism to the molecules that make up the environment. They also study the environment and how it affects living things.

Every industry needs engineers

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. Please note that these engineers are responsible for ensuring a product’s safety and functionality.

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 bikes so light, engineers are essential to the modern athlete.

Engineers are essential to our health, happiness and sustainability

Engineers are responsible for providing our current energy sources, as well as the development of sustainable ones such as wind and solar energy that will power future cities and help reduce greenhouse gas emissions.

Through water sanitation and wastewater removal, civil and environmental engineers are critical to our health as doctors. They run the World Health Organisation, half of the world’s hospitals and private health facilities.

Many people attribute computers, WiFi and smart devices to electrical, software and mechanical engineers, but mining engineers ensure that the raw materials needed within these devices are available to the manufacturers.

The mining industry is being made safer thanks to engineers who are developing new technology, such as the U.S. Department of Transportation’s So buckle up!

Engineers are creative innovators

Molecular biologists research the building blocks of life, from chemical reactions to the genetic makeup of a single cell. They study living things at the molecular level, from proteins to viruses, and from the genetic material that makes up an organism to the molecules that make up the environment. They also study the environment and how it affects living things.

The future of engineering is exciting!

The future of drones

The future of the sea

Researchers from UQ’s School of Civil Engineering are working to understand the impact of rising sea levels on the太平洋 in the South Pacific.
Engineers are essential to our health, happiness and sustainability

Engineers are responsible for providing our current energy sources, as well as the development of sustainable energy sources such as tidal, solar and wind energy that will power future cities and help reduce greenhouse gas emissions.

Through water sanitation and wastewater removal, civil and environmental engineers are critical to our health as doctors of the environment. The World Health Organisation, half of the world’s hospitals have water-borne illnesses. In underdeveloped countries, the number is closer to 60 per cent.

The mining industry is being made safer thanks to driversless vehicles, which are able to automatically move commodities such as iron ore around mining sites. Not only is this reducing dangerous risks, it’s also reducing operating costs.

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

Engineers are creative innovators

The importance of engineering to society is growing every day. Engineers are creating solutions to our most pressing challenges.

A team led by UQ Professor Stuart Crozier has developed a bridge design that is three times lighter and three times stronger than regular bridges. Using a double skin tubular arch system – it can be constructed in just three days!

Professor Michael Smart from UQ’s School of Mechanical and Mining Engineering is redefining space travel with reusable high-speed planes with air-breathing engines.

Professor Alexey Panchenko from UQ has developed a biodegradable plastic vaccine that can be applied directly to the skin. This eliminates the need for needle sticks, providing a safer and more convenient way to deliver vaccines.

We have chemical and materials engineers to thank for converting rare resources into our favourite foods and for ensuring their safe, sustainable packaging and production. Meat production is a major contributor to global greenhouse gas emissions, and chemical engineers are working on developing new technologies to reduce this impact.

Biomedical Engineers are working on developing new technologies to reduce the environmental impact of agriculture.

The future of engineering is exciting!

The FUTURE OF DRONES Dr Facile Pounds of UQ’s School of Information Technology and Electrical Engineering has developed drone technology that provides valuable information on climatic conditions to firefighters, which will save lives.

The FUTURE OF THE SEA Researchers from UQ’s School of Civil and Environmental Engineering are working to understand the impact of rising sea levels on the palaeo-marine life in the South Pacific.

Biomedical Engineers are working on developing new technologies to reduce the environmental impact of agriculture.

Mechanical Engineer 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 Engineers have created a bug repellent, sunblock and deodorants. For aerosol cans, giving life to hair spray, deodorant, insect repellent, sunscreen, nail polish remover and numerous other personal care products.

The FUTURE OF FARMING Farmers could soon turn to microbial protein to feed their livestock - a move that would reduce greenhouse gas emissions.

The FUTURE OF SAFETY UQ’s software engineering student, Alana Clover has developed a wearable UV exposure-detecting device to help prevent skin cancer.

The FUTURE OF THE BRIDGE A team led by UQ engineer Dr Yurik Farida has developed a bridge design that is three times lighter and three times stronger than regular bridges. Using a double skin tubular arch system - it can be constructed in just three days!

Engineers are essential to our health, happiness and sustainability

Engineers are responsible for providing our current energy sources, as well as the development of sustainable energy sources such as tidal, solar and wind energy that will power future cities and help reduce greenhouse gas emissions.

Through water sanitation and wastewater removal, civil and environmental engineers are critical to our health as doctors of the environment. The World Health Organisation, half of the world’s hospitals have water-borne illnesses. In underdeveloped countries, the number is closer to 60 per cent.

The mining industry is being made safer thanks to driversless vehicles, which are able to automatically move commodities such as iron ore around mining sites. Not only is this reducing dangerous risks, it’s also reducing operating costs.

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

Engineers are creative innovators

The importance of engineering to society is growing every day. Engineers are creating solutions to our most pressing challenges.

A team led by UQ Professor Stuart Crozier has developed a bridge design that is three times lighter and three times stronger than regular bridges. Using a double skin tubular arch system – it can be constructed in just three days!

Professor Michael Smart from UQ’s School of Mechanical and Mining Engineering is redefining space travel with reusable high-speed planes with air-breathing engines.

Professor Alexey Panchenko from UQ has developed a biodegradable plastic vaccine that can be applied directly to the skin. This eliminates the need for needle sticks, providing a safer and more convenient way to deliver vaccines.

We have chemical and materials engineers to thank for converting rare resources into our favourite foods and for ensuring their safe, sustainable packaging and production. Meat production is a major contributor to global greenhouse gas emissions, and chemical engineers are working on developing new technologies to reduce this impact.

Biomedical Engineers are working on developing new technologies to reduce the environmental impact of agriculture.

The future of engineering is exciting!

The FUTURE OF DRONES Dr Facile Pounds of UQ’s School of Information Technology and Electrical Engineering has developed drone technology that provides valuable information on climatic conditions to firefighters, which will save lives.

The FUTURE OF THE SEA Researchers from UQ’s School of Civil and Environmental Engineering are working to understand the impact of rising sea levels on the palaeo-marine life in the South Pacific.

Biomedical Engineers are working on developing new technologies to reduce the environmental impact of agriculture.

Mechanical Engineer 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 Engineers have created a bug repellent, sunblock and deodorants. For aerosol cans, giving life to hair spray, deodorant, insect repellent, sunscreen, nail polish remover and numerous other personal care products.

The FUTURE OF FARMING Farmers could soon turn to microbial protein to feed their livestock - a move that would reduce greenhouse gas emissions.

The FUTURE OF SAFETY UQ’s software engineering student, Alana Clover has developed a wearable UV exposure-detecting device to help prevent skin cancer.

The FUTURE OF THE BRIDGE A team led by UQ engineer Dr Yurik Farida has developed a bridge design that is three times lighter and three times stronger than regular bridges. Using a double skin tubular arch system - it can be constructed in just three days!

Engineers are essential to our health, happiness and sustainability

Engineers are responsible for providing our current energy sources, as well as the development of sustainable energy sources such as tidal, solar and wind energy that will power future cities and help reduce greenhouse gas emissions.

Through water sanitation and wastewater removal, civil and environmental engineers are critical to our health as doctors of the environment. The World Health Organisation, half of the world’s hospitals have water-borne illnesses. In underdeveloped countries, the number is closer to 60 per cent.

The mining industry is being made safer thanks to driversless vehicles, which are able to automatically move commodities such as iron ore around mining sites. Not only is this reducing dangerous risks, it’s also reducing operating costs.

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

Engineers are creative innovators

The importance of engineering to society is growing every day. Engineers are creating solutions to our most pressing challenges.

A team led by UQ Professor Stuart Crozier has developed a bridge design that is three times lighter and three times stronger than regular bridges. Using a double skin tubular arch system – it can be constructed in just three days!

Professor Michael Smart from UQ’s School of Mechanical and Mining Engineering is redefining space travel with reusable high-speed planes with air-breathing engines.

Professor Alexey Panchenko from UQ has developed a biodegradable plastic vaccine that can be applied directly to the skin. This eliminates the need for needle sticks, providing a safer and more convenient way to deliver vaccines.

We have chemical and materials engineers to thank for converting rare resources into our favourite foods and for ensuring their safe, sustainable packaging and production. Meat production is a major contributor to global greenhouse gas emissions, and chemical engineers are working on developing new technologies to reduce this impact.

Biomedical Engineers are working on developing new technologies to reduce the environmental impact of agriculture.

The future of engineering is exciting!

The FUTURE OF DRONES Dr Facile Pounds of UQ’s School of Information Technology and Electrical Engineering has developed drone technology that provides valuable information on climatic conditions to firefighters, which will save lives.

The FUTURE OF THE SEA Researchers from UQ’s School of Civil and Environmental Engineering are working to understand the impact of rising sea levels on the palaeo-marine life in the South Pacific.

Biomedical Engineers are working on developing new technologies to reduce the environmental impact of agriculture.
10 awesome things about engineering at UQ

1. PRACTICAL LEARNING From day one, you’ll get hands-on experience in all aspects of our engineering courses. Have some fun while learning! 2. women in engineering Are you a woman and thinking about developing a career that isn’t now reserved for men? Mechanical engineering involves anything from the earth’s resources. From artificial touch screens. Electrical engineering is the design, computer systems and controls in order to 3. ELECTRICAL ENGINEERING Mechanical engineers control and automate software to make computers and engineered systems perform as intended. Mining is essential to the modern lifecycle. Civil engineering focuses on designing, construction, operation and maintenance of electrical energy infrastructures and bridges, roads and harbours to dams, power stations, and airports, utility supply and public health. Civil engineers are involved in developing processes that turn raw materials into useful, everyday products – with minimal environmental impact. 4. FLEXIBILITY UQ offers the largest range of engineering specialisations of any Queensland university and has heaps of opportunities to get you career ready. 5. SCHOLARSHIPS UQ’s generous industry partners and private donors bring you more than 200 scholarships. 6. INDUSTRY CONNECTIONS UQ is well connected with industry, so we know what skills they want you to have when you graduate. Our recent graduates are doing well – thanks to our strong industry links. 7. SCHOLARSHIPS UQ’s generous industry partners and private donors bring you more than 200 scholarships. 8. WORLD CLASS We’ve been ranked as ‘world class or above’ 9. FACILITIES The UQ campus offers the best facilities to help you excel in your studies. We’re second in Queensland for Engineering and Technology, 1st in Australia for Chemical Engineering and 10th in the world for Materials and Mining Engineering. 10. WOMEN IN ENGINEERING (WE) UQ is the number one choice for women engineering students. WE understands the importance of diversity in the workplace and therefore look to inspire young women to consider a career in engineering.

But seriously, what is it?

But seriously, what is it?

1. CHEMICAL ENGINEERING Chemical engineers focus on developing processes that turn raw materials into useful, everyday products – with minimal environmental impact. Chemical engineers have produced we take for granted, such as artificial intelligence systems, materials, nanotechnology, communication machinery and so on. So what is the way out?

2. CIVIL ENGINEERING Civil engineering is about creating beautiful and sustainable Infrastructure that we can grow on. Electrical engineers work on everything from building touch screens. Mechanical engineering with electronics, robotics, automated industrial machinery and processes. The results are machines that we use every day. As a mining engineer you may be given the opportunity to use some of the most cutting-edge technology available due to the industry being highly automated and capital intensive.

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

4. MECHATRONIC ENGINEERING Mechatronic engineers focus on developing processes that turn raw materials into useful, everyday products – with minimal environmental impact. As our society becomes increasingly reliant on technology and computers become integrated into machines, one of our biggest challenges is creating the necessary software to make all of this technology work together smoothly. Software engineers are building many modern devices associated with computers, including novel things like developing lens-free cameras and spray-on computer systems and controls in order to 5. MECHATRONIC ENGINEERING Mechatronic engineers focus on developing processes that turn raw materials into useful, everyday products – with minimal environmental impact. Mechanical engineers have produced we take for granted, such as artificial intelligence systems, materials, nanotechnology, communication machinery and so on. So what is the way out?

6. SCHOLARSHIPS UQ’s generous industry partners and private donors bring you more than 200 scholarships. 7. SCHOLARSHIPS UQ’s generous industry partners and private donors bring you more than 200 scholarships. 8. WORLD CLASS We’ve been ranked as ‘world class or above’

9. FACILITIES The UQ campus offers the best facilities to help you excel in your studies. We’re second in Queensland for Engineering and Technology, 1st in Australia for Chemical Engineering and 10th in the world for Materials and Mining Engineering. 10. WOMEN IN ENGINEERING (WE) UQ is the number one choice for women engineering students. WE understands the importance of diversity in the workplace and therefore look to inspire young women to consider a career in engineering.

But seriously, what is it?

But seriously, what is it?

1. CHEMICAL ENGINEERING Chemical engineers focus on developing processes that turn raw materials into useful, everyday products – with minimal environmental impact. Chemical engineers have produced we take for granted, such as artificial intelligence systems, materials, nanotechnology, communication machinery and so on. So what is the way out?