

Women in Engineering Program

Creating positive change for
the world around us



UQ Women in Engineering

University-led and industry supported, The University of Queensland (UQ) Women in Engineering Program (WE) inspires young women to consider a rewarding career in engineering. Through hands on activities and workshops, interactive presentations, digital resources and fun events, WE educate female high school students, teachers and parents about engineering, and also provide support and industry connections for current students at UQ.

AN ENGINEERING DEGREE CAN LEAD TO:



Revolutionised Healthcare

Engineers are essential to our health.

Chemical and bioprocess engineers are involved with cell and tissue engineering, and developing new pharmaceuticals.

Biomedical engineers bridge the gap between technology, medicine and science by inventing electrical devices and machines such as MRI's and pacemakers.

Mechanical engineers are involved with enhancing prosthetic limbs to improve quality of life for people with an injury or disability.

Mechatronic engineers are designing robotic technology to improve accuracy and efficiency for life saving surgeries.

Through the global pandemic, engineers have been involved with designing personal protective equipment such as face shields for front line health care workers, as well as ventilators for use in intensive care units.



A Sustainable Future

Engineers are driving innovation.

Civil engineers preserve our natural environment in the face of economic crisis, creating sustainable infrastructure that can support our growing populations, or harness the potential of digital technologies to improve the cities of tomorrow.

Environmental engineers are responsible for ensuring the resilience of our natural ecosystems and urban environments.

Chemical engineers develop a sustainable process for water sanitation and wastewater removal. UQ Chemical engineering researchers have been implementing new processes to turn waste material into every day products.

Electrical and mechanical engineers are integral to the development of power and renewable energy sources that will help reduce our impact on climate change.



“Growing up I was always fascinated with how everything worked, and I enjoyed maths and science in school. When senior subject selection rolled around in Year 10, I had no idea what I wanted to do, all I knew was I wanted to improve the lives of others. Up until the UQ Women in Engineering team visited my school, I had no clue what engineering was. They talked about Electrical and Biomedical Engineering and it was then when I was sure of my career, it was the perfect bridge between my passion for maths and physics and being able to make a positive impact.”

SOFIA ANGI

Bachelor of Engineering (Honours)/Master of Engineering (Electrical and Biomedical)

Women in Engineering Leader 2020

Proudly supported by our Program Partners



The University of Queensland is the university of choice for women studying engineering in Queensland.

There are many diverse opportunities that a career in Engineering can lead you. You can shape the digital future with Software engineering, solve big data challenges with Computing and Data Science, or apply your skills in developing affordable and sustainable solutions through Humanitarian engineering.

No matter what engineering path you're set on, we'll show you how to embrace the challenges of a changing world - in a way that benefits your career, the industry and communities all over the world.

For further details and information:

we@eait.uq.edu.au
www.eait.uq.edu.au/we
facebook.com/UQWomeninEngineering
instagram.com/womenin_engineering/
eait.uq.edu.au/what-is-engineering-podcast



RioTinto



Part of Energy Queensland