

# Voices of QUT Women

## Engineering & Construction



FACULTY OF ENGINEERING

### **Professor Ana Deletic, Executive Dean, Faculty of Engineering**

At QUT, we're committed to growing the number of women in engineering and construction. QUT's support is underpinned by our community of women in engineering and construction staff, student clubs, alumni and industry who are all passionate about breaking down barriers in engineering and helping students achieve their career goals.

We believe the engineering industry thrives on diversity and we hope to partner with you. Invest in women!

#### **Our program is powered by**

Karen Whelan Associate Dean, Learning and Teaching Faculty of Engineering; President Engineers Australia Women in Engineering

Dr Tatheer Zahra, Civil Engineering Materials Researcher QUT

Senior Lecturer

Dr. Dimity Miller, Chief Investigator QUT Centre for Robotics

Dan Boyd, Student Programs Coordinator

Minuka Mendis, GEMS President, undergraduate engineering student



# Women in Engineering & Construction

Count her in!



FACULTY OF ENGINEERING

## This year!

Commencing undergraduate

**297 Women in Engineering**

**6 Non binary in Engineering**

**27 Women in Construction**



Total female & non binary undergraduate student numbers

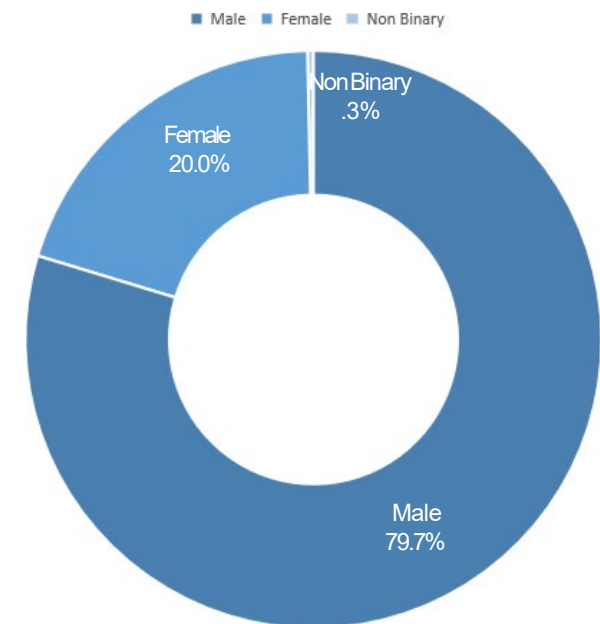
**1134**

**19**

## QUT Scholarships

**15 Women in Engineering Scholarship recipients**

**8 QUT Academic Scholars**



Total undergraduate student numbers by Gender

# High School Engagement

## Gen Z & A Programs



### Power of Engineering

Experience a full-day immersion into the world of engineering with QUT and industry leaders, designed exclusively for female students, yrs 7 - 12. QUT collaborates with organisations across Southeast Queensland to present the Power of Engineering, an initiative aimed at supporting and inspiring young women in high school.

Depending on the location of the school, students will be engaged in either of the following:

- Tour and activity at QUT Gardens point and industry site visit.
- Engineering-related activity delivered at your school and industry site visit.



### Engineering U

A program designed for high school engineering cohorts spanning from years 9 to 12. It encompasses workshops, site visits, connections, and experiences constructed with industry partners to introduce them to the diverse skills, capabilities, and career prospects within engineering.

### STARTQUT Intensive

START QUT Intensive delivers a first-year QUT Engineering unit in a two-week intensive study program during the summer holidays in January



This unique gender balanced program is designed for current Year 11 students entering Year 12. This program is facilitated by women engineers and supported by women student ambassadors.

### Teacher PD – women in focus

QUT Women, in collaboration with Engineers Australia, will deliver professional development sessions for teachers in Brisbane and surrounding regions. These engineering sessions will be future focussed, will be developed and delivered by our Women Engineers to meet the emerging professional needs of High School teachers.

# Current students

## Promote gender equity and diversity



### QUT WiE Scholarships

At QUT, we're committed to growing the number of women engineers entering the industry, and promoting engineering as a career choice for women. Our Women in Engineering Scholarship valued at \$6,000 (per student) encourages and supports 15 young women annually to start their engineering journey, and helps build a cohort of future leaders who will lead positive change around the world. We are committed to investing in women.

### Women in Focus

QUT welcomes women engineers to participate in our introductory lectures for first-year students. Topics featured: An introduction to the responsibilities of engineers and ongoing projects of significance; sharing personal engineering experiences and the motivations behind choosing this field of study; and illustrating inclusive leadership through practical examples. In addition we partner with Engineers Australia to feature women engineers in webinars and feature industry articles.

### Cafe Connections

Our mentoring initiative connects women in engineering students with mentors from industry during casual coffee meetings at nearby cafes.

### Inclusive culture and inclusive leadership

Teaming up our Student Ambassadors and academics we support inclusive leadership within our four Schools with a phone a friend day. We call each student who identifies as female to connect and have an authentic conversation. With the aim to support their learning, well being, professional development and connect them to student clubs, industry partners, career opportunities, scholarships and more.

### Key Events

Each year, we launch the semester with a special celebration featuring our women in engineering students, faculty, and recipients of Women in Engineering Scholarships.

Our calendar of events includes Engineers Australia International Women's Day; the International Women in Engineering Day event; the Women in Technology; and National Association of Women in Construction Awards events. Collaborating with GEMS, we proudly present the annual QUT WiE Art Gallery event, where we connect with inspiring women engineers, exchange stories, and commemorate achievements.



# Emerging leaders

## Challenging barriers and bias



### Alumni

Chloe Turrell and Deanna Hood, are excellent examples of our award winning Alumni, exemplify how studying engineering at QUT marks the initial stride towards real change that benefits people, communities, and the environment.



### GEMS

Gender Equity in Engineering Makes Sense (GEMS) is a student-run club based at QUT which aims to foster gender diversity in engineering. GEMS provide professional, educational and social support to their members through events and activities focused under three pillars of industry, charity and mentoring. GEMS has been honoured with the prestigious 2023 Most Encouraging Not-for-profit Group in Gender Diversity award by Engineers Australia.

### Research

Our researchers in engineering and construction include:

Professor Ana Deletic, Associate Professor Paige Little, Dr Tatheer Zahra, Dr Laura Bray, Associate Professor Sara Couperthwaite, Dr Maryam Haghghat Professor Mia Woodruff, Dr Carol Hon, Dr Melissa Teo + more. We also employ women HDR in our research areas.