

Our Five Pillars of Excellence underpin our drive to always be at the leading edge of Chemical Engineering in Australia.



Health, Safety and Wellness

What it means

We pursue, promote and practise initiatives that deliver and enhance the health, safety and well-being of people, places and programs.

A strong safety culture in the School positively impacts students and their development. This means we will proactively engage with our people to identify, manage and monitor our risks associated with health, wellbeing and both personal and process safety.

We actively seek to continually improve by proactively reporting and learning from incidents.

Why this matters

- The safety and wellness of our people is paramount and underpins all aspects of our operations.
- Embedding leading health and wellness practices is crucial to maintain protections that prevent harm to our health, safety and well-being.



Teaching and Learning

What it means

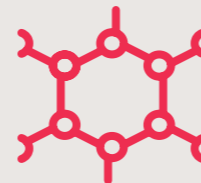
Our students engage in active and authentic learning guided by exceptional academics who are supportive and care about their students' development.

With a problem-solving mindset, our graduates stand apart in their ability to integrate technical excellence with systems thinking to successfully tackle complex problems across disciplines, in different contexts and applications.

Our academics value teaching. Our teaching is student-centred, and we continuously improve our teaching through reflection and feedback.

Why this matters

- The world of work is constantly changing, but three key skills are in demand more than ever: critical thinking, creativity and communication.
- Our students - at all levels - develop these transferrable skills to tackle the big challenges facing the world, including sustainable production of food, water, medicines and energy.



Research

What it means

Our research in chemical engineering works across disciplines and borders to transform research ideas into real world impacts.

We collaborate with industry, government, and community partners to confront challenges with new ideas, innovative methods, and world-class scientific infrastructure.

Our researchers are recognised nationally and globally as leaders in their disciplines and bring newly-created knowledge into our teaching and learning.

Why this matters

- The export of our research expertise through international partnerships, training of international research students, and technology commercialisation brings economic and scientific benefits to the broader Australian community.
- The reputation and impact of our research on the global stage brings new opportunities to UQ, our School, and individual researchers.



External Engagement

What it means

We pursue authentic connections with industry partners, alumni, donors, international university partners, the UQ community and the wider public.

We actively seek productive, cooperative and collaborative relationships with all key stakeholders of the School.

Why this matters

- Effective and authentic engagement is critical to maintaining two-way dialogues with our stakeholders that strengthen our mutually beneficial partnerships.
- External engagement enhances the performance of the School and ensures we continue to deliver a pipeline of highly skilled, industry-ready chemical engineers to meet the challenges of the future.



People

What it means

We recognise and respect a diversity of people, roles, opinions, and experiences in the School of Chemical Engineering.

We strive to support our people to achieve their career and personal goals by providing access to mentoring, coaching, education and training programs.

We aim to provide a safe, collegiate and welcoming environment for staff, students and visitors in the School.

Why this matters

- Our people are our greatest assets.
- Whether it's contributing to the betterment of society or inspiring students, we want our people to know their purpose and that they have the ability to create change.