TOM PERFREMENT
BE IN CHEMICAL ENGINEERING

WHAT DO CHEMICAL ENGINEERS DO?
Chemical engineers design, create and optimise the systems and equipment used in chemical, industrial, biological and environmental processes. They produce a range of materials, from fuels and fertilisers to processed foods, beer and wine, polymers, and pharmaceuticals.

CAREER OPPORTUNITIES
You could work in water treatment and recycling, environmental management, energy and petrochemical industries, research, from molecular level up to full heavy-industry scale. Chemical engineers may be involved in the manufacture and commercialisation of products such as nanomaterials, energy, food and clean water, or in designing systems and processes to manage environmental impacts.

CHEMICAL ENGINEERING
Chemical engineering bridges the study of the chemical and physical sciences with engineering. The major areas of chemical engineering activities are: the design and development of chemical processes and equipment; optimisation and control of industrial operations; plant operation and management; and environmental management and pollution control. Management, critical analysis and economics are very important components of the undergraduate training.

“I was drawn towards the numerical, problem solving nature of engineering, yet it was my interest in chemistry and the ability of chemical engineers to tackle some of the world’s biggest challenges, which led me to choose the ‘universal engineering’ field – chemical engineering. Undertaking a chemical engineering degree at UNSW has already provided me with priceless skills and I am looking forward to a stimulating and rewarding career.”

UNSW ENGINEERING
Not only are we the largest engineering faculty in Australia with the widest choice of degrees through our nine schools, we also have 65 years of experience, passionate academics, brilliant engineering researchers and partnerships with government and industry, both here and overseas. It’s no wonder we are the #1 engineering faculty in the country.*

APPLICATION INFORMATION
For everything you need to know about applying to UNSW Engineering, including scholarships and our alternative entry options, visit our faculty website at engineering.unsw.edu.au

FIND OUT MORE ABOUT CHEMICAL ENGINEERING
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FB: UNSWChemEng

*Shanghai Jiao Tong University’s Academic Ranking of World Universities in Engineering/Technology and Computer Sciences 2014.
BE (HONS) IN CHEMICAL ENGINEERING

GRADUATE WITH HONOURS

Our Bachelor of Engineering (Honours) degree is competitive and challenging, and requires students to perform at a high level to graduate. This ensures graduates are equipped with the skills and knowledge for a successful career as a professional engineer.

DEGREE OPTIONS

Dual Degrees:

You can combine your Bachelor of Engineering (Honours) with a number of degrees from across the University, including Arts, Commerce, Law, Science and Biomedical Engineering.

For the latest on your dual degree options, visit engineering.unsw.edu.au or search the online handbook at handbook.unsw.edu.au

Alternatives:

Check out the table below for the other programs offered at the School of Chemical Engineering.

Information provided about subjects, units, courses, or arrangements for courses including staffing, are an expression of intent only and are not to be taken as a firm offer or undertaking. The School of Chemical Engineering, UNSW reserves the right to discontinue or vary such subjects, units, courses, or arrangements or staffing at any time without notice and to impose limitations on enrolment in any course.

SCHOOL OF CHEMICAL ENGINEERING

We are a foundation school of UNSW with 65 years experience providing quality chemical engineering education to thousands of students.

• Close links with key industrial, commercial and professional organisations
• Bachelor of Engineering (Honours) in Chemical Engineering degree is professionally accredited by Engineers Australia
• Degrees incorporate a strong emphasis on practical problem solving
• Exciting and innovative student projects and industry-based training
• Ranked among the top chemical engineering schools in Australia
• We have three full-time female professors, the highest in any chemical engineering school in Australia, and an active Women in Engineering program linking undergraduates with female engineers in government and industry