



UNSW
AUSTRALIA

Chemical Engineering
UNSW Engineering

Pathways to engage with our school

A/Prof Pierre Le-Clech
Deputy Head of School Engagement



Teaching

Contact: Stuart Prescott
Deputy Head of School Education
s.prescott@unsw.edu.au

Educating the next generation of Chemical Engineers is the main objective of the School and we continuously strive to offer modern and industry-relevant programs. Both students and industry partners can greatly benefit from industry participation to our curriculum and seminars, during which a range of topics and case studies can be presented. We also invite industry representatives to interview 4th year students on their capstone design project (see video)

Examples:

- Guest lecture
- Curriculum design/ review
- Inspiring alumni presentations
- Case studies
- Interview/ Assessment

Welcome to the Tooheys Brewery 360° Virtual Tour

This virtual tour has been specially prepared for the chemical engineering students at UNSW. See behind the scenes of the Tooheys brewery to observe the materials, processes and equipment that go into making beer. Here you will learn about the system design, quality control and waste management of an industrial scale beverage operation.

Site visit (real or virtual)

Contact: Sarah Grundy (Lecturer)
s.grundy@unsw.edu.au

Visits of real operating plants are a great opportunity for the students to see chemical engineering in action. We are now bringing some visits to the next level by developing virtual reality tours which can be used directly in our teaching materials. See here the insight virtual visit of the Tooheys brewery at Lidcombe guided by one of our new undergrad student.

Examples:

- Virtual Reality tour of Tooheys
- Site visit Tooheys



Scholarships/ prizes/ awards

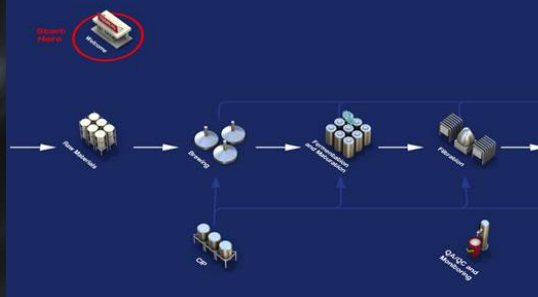
Contact: Emma Lovell (Lecturer)
e.lovell@unsw.edu.au
or Co-op office (cooprog@unsw.edu.au)

UNSW, the Faculty of Engineering and the School offer a range of options to celebrate the great work done by our students through prizes and awards. One of the most prestigious accolade remains the Coop scheme during which industry can sponsor a high achiever high schooler to join the Chemical Engineering program and work with them through a number of internships distributed across the program.

Examples:

- Honours poster prize
- Co-op program

 **UNSW**
Co-op Program
Scholarship





Industry Honours Project

Contact: Pierre Le-Clech (Deputy Head of School Engagement)
p.le-clech@unsw.edu.au

We have been running several 4th year honours projects with industry partners such as Arnotts, Sydney Water, Tooheys, where the students work on topics related to industry challenge and with an industry mentor.

There is no stipend required, although depending on the nature of the project, the industry partner may provide in kind in the form of materials, access to their facilities, etc. If you have a project topic / scope, feel free to contact us.



Industrial training & graduate job opportunities

Contact: Sarah Grundy (Lecturer)
s.grundy@unsw.edu.au
or industrial training office, ENG.it-training@unsw.edu.au

Industrial training allows industry partners to work with current students and to identify potential future recruits. Students have the opportunity to gain exposure to a Chemical Engineering or Food workplace, culture and expectations. It plays an important part in any engineer's professional development. Scan the QR code to read our Industrial partner guide.



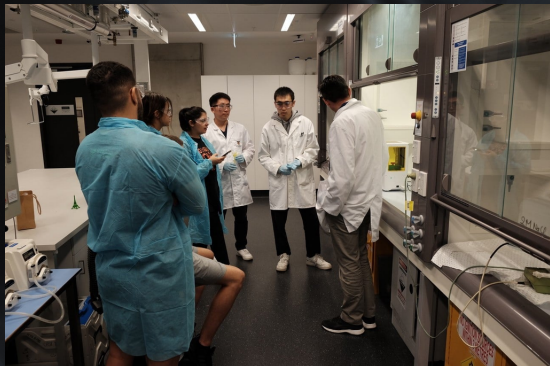
Research Projects (including industry Master and PhD)

Contact: Cyrille Boyer (Deputy Head of School Research) cboyer@unsw.edu.au
or Cordelia Selomulya,
cordelia.selomulya@unsw.edu.au

We are in constant conversation with industry partners to assess and address their current challenges. By holding the quality of our research to the highest academic standards, we aim to deliver positive, real-world impact to the industry. While the Australian Research Council (ARC)'s Linkage scheme remains a conventional approach to work with the School, research partners can benefit from new industry-Master and -PhD programs.

Examples:

- Linkage with Australia Research Centre (ARC)
- Future Food Systems CRC
- Master of Industrial Research
- Industry-based PhD project
- AGSE PhD (to be launched in 2022)



Consulting/ Commercial Activities

Contact: ChemEng@unsw.edu.au
or specific academic of interest for consultation specific to your field

Industry can greatly benefit from the range of resources, infrastructure and expertise that UNSW and the School of Chemical Engineering staff can offer. Whatever the size of your business or business problem, we can help.

Examples:

- Access to advanced analytical services
- Assistance with results interpretation and advice

To view full list of equipment in UNSW Mark Wainwright Research Center (MWAC), head to



Philanthropy

Contact: UNSW Alumni and Giving

By giving to UNSW and the School of Chemical Engineering, you are enabling cutting-edge research and creating opportunities to break cycles of disadvantage. In particular, we work with non-for-profit organisations and foundations to develop and conduct humanitarian engineering projects in various countries.



UNSW alumni series:

Professor Attila Brungs



Alumni

Contact: Pierre Le-Clech
Deputy Head of School Engagement
p.le-clech@unsw.edu.au

The School has recently formed an Alumni Working Group, developing new activities like student mentorship and social events on campus. Stay connected for the latest news by following us on our social media

LinkedIn/ Facebook: UNSW Chemical Engineering
Instagram/ Twitter: @unswchemeng

Student societies

We have 3 student societies in our school. Please contact your society of interest below:

- Undergraduate - Chemical Engineering Undergraduate Society (CEUS) - ceus@unsw.edu.au
- Undergraduate - Food Science Association (FSA) - fsa@unsw.edu.au
- M.Phil and PhD - Chemical Engineering Research Society (CERS) - cers@unsw.edu.au

There are several ways to engage with each student society including:

- Annual sponsorship (usually financial and is a long-term relationship)
- One-off event-based sponsorship (based on an event agreed upon with the society. For example: Industry BBQ chats, networking night)
- Site visit in-person
- Mentoring
- Guest lecturing



General enquiries

General contact

ChemEng@unsw.edu.au

This will go to the school manager, you will then be forwarded to specific person in our school who can assist with your enquiry

Deputy Head of School Engagement (A/Prof Pierre Le-Clech)

p.le-clech@unsw.edu.au

For direct consultation about ways to engage with us, you can contact Pierre

Academics of interest

For direct consultation with specific academics from your research sector of interest, you can email them directly. Email is available at <https://www.unsw.edu.au/engineering/our-schools/chemical-engineering>