

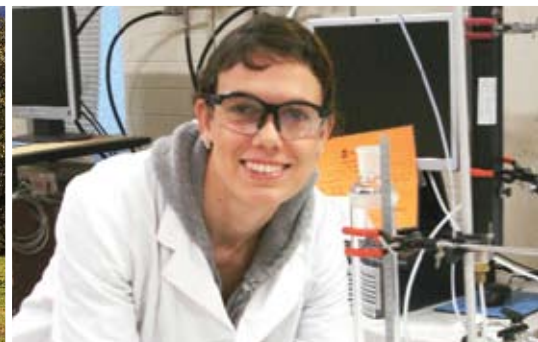


The
University
of Sydney

Bachelor of Engineering (Chemical) and combined degrees

School of Chemical and Biomolecular Engineering

2009



COURSE NAME	COURSE CODE	CRICOS CODE	STUDY LENGTH	ASSUMED KNOWLEDGE	MAJOR STUDIES	ENTRY	ENGLISH REQUIREMENTS	2008 UAI	USFP	2009 SEM FEE-AUDS
Bachelor of Engineering (Chemical and Biomolecular)	HH000	000718F	8 sems	HSC Mathematics Extension 1, Physics and/or Chemistry.	Chemical process case studies; Computations; Flowsheets and Optimisation; Materials and Corrosion; Solid Mechanics.	March or July	IELTS 6.5 (6.0) IBT 90 (23/22)	80.20	7.1	\$13,225
Bachelor of Engineering (Flexible First Year)	HH000	000718F	8 sems	HSC Mathematics Extension 1, Physics and/or Chemistry.	Flexible First Year allows you to decide your eventual engineering specialisation after completing Year 1.	March or July	IELTS 6.5 (6.0) IBT 90 (23/22)	80.05	7.1	\$13,225
Bachelor of Engineering/ Bachelor of Arts	HH016	025100A	10 sems	HSC Mathematics Extension 1, Physics and/or Chemistry.	Any engineering stream with majors from the Faculty of Arts on page 27.	March or July	IELTS 6.5 (6.0) IBT 90 (23/22)	85.30	7.4	\$12,326
Bachelor of Engineering/ Bachelor of Commerce	HH014	025102K	10 sems	HSC Mathematics Extension 1, Physics and/or Chemistry.	Any engineering stream with majors from the Faculty of Economics and Business on page 35.	March or July	IELTS 6.5 (6.0) IBT 90 (23/22)	89.30	7.6	\$13,611
Bachelor of Engineering/ Bachelor of Laws	HH018	032885D	12 sems	HSC Mathematics Extension 1, Physics and/or Chemistry.	A structured degree combining Law and Engineering.	March or July	IELTS 7.5 (7.0) IBT 106 (25/24)	94.55	9.0	\$13,739
Bachelor of Engineering/ Bachelor of Medical Science	HH021	037177C	10 sems	HSC Mathematics Extension 1, Physics and/or Chemistry.	A structured degree combining Medical Science and Engineering.	March or July	IELTS 6.5 (6.0) IBT 90 (23/22)	90.00	8.0	\$13,610
Bachelor of Engineering/ Bachelor of Science	HH015	025101M	10 sems	HSC Mathematics Extension 1, Physics and/or Chemistry.	See individual entries for Bachelor of Science (pages 62) and Bachelor of Engineering..	March or July	IELTS 6.5 (6.0) IBT 90 (23/22)	85.10	7.4	\$13,610

100%
employment rate of
our graduates in the
past five years

Career options for chemical and biomolecular engineers:

- Environmental consultancy
- Minerals
- Oil and gas processing
- Petroleum and petrochemicals
- Pharmaceuticals
- Food and beverage
- Textile and synthetic fibres
- Polymer manufacturing
- Metals and ceramics
- Banking and finance
- Business consultancy

About the School

The University of Sydney is benchmarked among the world's best, with research, teaching and learning outcomes of an international standard. The School of Chemical and Biomolecular Engineering at the University of Sydney, established in 1946, offered the first university-level chemical engineering program in Australia. The School is committed to teaching excellence and our graduates are highly regarded and sought after by employers in Australia and overseas. The School is research-intensive and considered a world leader in many cutting edge areas of chemical and biomolecular engineering.

What do chemical and biomolecular engineers do?

A big part of chemical and biomolecular engineering is the design of processes that convert raw materials to value-added products, or the design of processes that have been carried out at the experimental level and need to be scaled up to the industrial level, for example, biotechnology innovations. Chemical and biomolecular engineers find creative solutions to problems like implementing the benefits of biotech discoveries, reducing the environmental impact of industrial processes and improving the quality of the materials that we use everyday.

Why study at the University of Sydney?

- The first university-level School of Chemical Engineering in Australia
- Leading academics and researchers
- World-class facilities and research labs
- Worldwide recognition: The UK's Institution of Chemical Engineers equates a University of Sydney degree in chemical engineering with a four-year masters degree from UK institutions. Our degrees are also accredited by Engineers Australia
- Opportunities for scholarships, prizes, exchange programs, and a Major Industrial Project Placement Scheme (MIPPS)
- Career paths: Chemical and biomolecular engineers are in demand worldwide and have the highest average salaries among all professions (Source: www.mycareer.com.au)

English language proficiency requirements for international students

IELTS 6.5 with no band below 6.0 OR equivalent, except students who apply for combined degrees with Arts (Media and Communications) or Law, which require IELTS 7.5 OR equivalent.

Meet our students and graduates



Brenden Brown

Brenden is in his second year of a Bachelor of Engineering (Chemical Engineering) degree. He graduated from St Ignatius' College in 2005 with a UAI of 98.3.

"First Year has probably been the best and most challenging year of my life. Academically, I enjoyed it thoroughly. Taking part in the Advanced Engineering Project gave me a chance to use my creativity and knowledge to help society. Socially, I made lots of new friends both through engineering and living at St John's College on campus."

Grace Yap

Grace completed a combined degree – Bachelor of Engineering (Chemical) and Bachelor of Commerce with First Class Honours – in 2006 and was awarded the University Medal in Chemical Engineering. Grace was sponsored by Petronas Malaysia, one of the major oil and gas corporations in the world.

"During the fourth year undergraduate study, I was awarded a Major Industry Project Placement Scheme (MIPPS) scholarship by the School, and worked full-time for 6 months at BHP Billiton undertaking high-level, investigative projects. Through the MIPPS program, I gained lots of practical experience and my future career will certainly benefit from it" Grace is now working for Petronas at the Petronas Twin Towers Malaysia, as an Executive under Group Plant Performance Management, Group Technology Solutions, Research and Technology Division.



The University of Sydney

Contact us

School of Chemical and Biomolecular Engineering

The University of Sydney, NSW 2006 Australia

Tel: +61 2 9351 2455 Fax: +61 2 9351 2854

Email: info@chem.eng.usyd.edu.au

Website: www.chem.eng.usyd.edu.au

CRICOS Provider Code: 00026A



www.chem.eng.usyd.edu.au