

Chemical Engineering

Program / Degree: [3707 B. Engineering \(Chemical Engineering\)](#)

Year	Term 1	UOC	Term 2	UOC	Term 3	UOC
1 st	CHEM1811 Engineering Chemistry 1A	6	CHEM1821 Engineering Chemistry 1B	6	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A	6
	DESN1000 Engineering Design and Innovation	6	MATH1231 Maths 1B OR MATH1241 Higher Maths 1B	6	CEIC1000 Sus. Product Engineering & Design (Level 1 elective)	6
	MATH1131 Maths 1A OR MATH1141 Higher Maths 1	6	ENG1811 Computing for Engineers	6	MATH2018 Engineering Mathematics 2D	6
	Total UOC	18	Total UOC	18	Total UOC	18
2 nd	CEIC2000 Material and Energy Systems	6	CEIC2002 Heat and Mass Transfer	6	ENGG4909 Co-op Industry Training 1	12
	CEIC2001 Fluid and Particle Mechanics	6	CEIC2005 Chemical Reaction Engineering	6		
	MATH2089 Numerical Methods and Stats	6	Gen Ed	6		
	Total UOC	18	Total UOC	18	Total UOC (nominal)	12
3 rd	CEIC3000 Process Modelling Analysis	6	CEIC3006 Process Dynamics and Control	6	CEIC2007 Chemical Engineering Lab A	6
	CEIC3004 Process Equipment and Design	6	CEIC3007 chemical Engineering Lab 2	6	DESN2000 Engineering Design and Practice	6
	CEIC3005 Process Plant Design	6	CEIC4000 Environment & Sustainability	6	CEIC3001 Advanced Thermodynamics and Separation	6
	Total UOC	18	Total UOC	18	Total UOC	18
4 th	ENGG4902 Co-op Industry Training 2A	12	ENGG4903 Co-op Industry Training 2B ENGG4904 Co-op Industry Training 3A	6 6	ENGG4905 Co-op Industry Training 3B	12
	Total UOC (nominal)	12	Total UOC (nominal)	12	Total UOC (nominal)	12
5 th	CEIC4001 Process Design Project	12	CEIC4952 Research Thesis B	4	ChE Elective Any Depth, Breadth or Practice elective	6
	CEIC4951 Thesis A	4	ChE Depth Chemical Engineering Depth Elective	6	Gen Ed	6
			ChE Breadth Chemical Engineering Breadth Elective	6	CEIC4953 Thesis C	4
	Total UOC	16	Total UOC	16	Total UOC	16

Notes:

- This is a SAMPLE study outline only and can be subject to change.
- You must always take your Industry Training schedule into consideration when planning your course enrolment or other commitments (see diagram below).
- Engineering Year 1 Elective options: <https://www.engineering.unsw.edu.au/study-with-us/first-year-engineering-electives-list>
- Discipline Electives: a comprehensive list approved Discipline Electives can be obtained from the School.

Resources:

- UNSW Handbook: <https://www.handbook.unsw.edu.au/undergraduate/programs/2022/3707?year=2022>
- School: <https://www.engineering.unsw.edu.au/chemical-engineering>
- Co-op: <https://www.coop.unsw.edu.au/programs/chemical-engineering-chm>

Co-op Academic Coordinator

For enrolment related questions please always contact your Co-op Academic Coordinator in the first instance:

Dr Emma Lovell

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When would I be on Industry Training (IT)?

