

# Chemical Product Engineering

Program / Degree: 3707 B. Engineering (Chemical Product Engineering)

Year	Term 1	UOC	Term 2	UOC	Term 3	UOC
1 <sup>st</sup>	DESN1000 Engineering Design and Innovation	6	ENGG1811 Computing for Engineers	6	CHEM2041 Analytical Chem: Essential Methods	6
	CHEM1811 Engineering Chemistry 1A	6	CHEM1821 Engineering Chemistry 1B	6	CEIC1000 Sust. Product Engineering & Design (L1 elective)	6
	MATH1131 Maths 1A <b>OR</b> MATH1141 Higher Maths 1	6	MATH1231 Maths 1B <b>OR</b> MATH1241 Higher Maths 1b	6	PHYS1121 Physics 1A <b>OR</b> PHYS1131 Higher Physics 1A	6
	Total UOC	18	Total UOC	18	Total UOC	18
2 <sup>nd</sup>	CEIC2000 Materials & Energy Systems	6	CEIC2002 Heat and Mass Transfer	6	<i>ENGG4901 Co-op Industry Training 1</i>	12
	CEIC2001 Fluid & Particle Mechanics	6	CEIC2005 Chemical Reaction Engineering	6		
	MATH2089 Numerical Methods & Stats	6	CHEM2021 Organic Chem: Mech & Biomolecules	6		
	Total UOC	18	Total UOC	18	Total UOC (nominal)	12
3 <sup>rd</sup>	CHEM3021 Organic Chem: Modern Synthetic Strategies	6	POLY3000 Polymer Science	6	CHEM2031 Inorganic Chem: The Elements	6
	MATH2018 Engineering Maths 2D Gen Ed	6	CEIC4000 Environment & Sustainability	6	DESN2000 Engineering Design and Practice	6
		6	CPE Elective Chem. Product Engineering Discipline Elective	6	CEIC3001 Advanced Thermodynamics and Separation	6
	Total UOC	18	Total UOC	18	Total UOC	18
4 <sup>th</sup>	<i>ENGG4902 Co-op Industry Training 2A</i>	12	<i>ENGG4902 Co-op Industry Training 2B</i> <i>ENGG4902 Co-op Industry Training 3A</i>	6 6	<i>ENGG4902 Co-op Industry Training 3B</i>	12
	Total UOC (nominal)	12	Total UOC (nominal)	12	Total UOC (nominal)	12
5 <sup>th</sup>	CEIC4007 Product Design Project A	6	CEIC4008 Product Design Project B	6	CPE Elective	6
	CEIC6711 Complex Fluids	6	CEIC8204 Bus. Management in Chem Eng (or ELEC4445)	6	Gen Ed	6
	CPE Elective	6	CPE Elective	6		
	Total UOC	18	Total UOC	18	Total UOC	12

**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/specialisations/2022/CEICDH?year=2022>
- School: <https://www.engineering.unsw.edu.au/study-with-us/undergraduate-degrees/chemical-product-engineering>
- Co-op: <https://www.coop.unsw.edu.au/programs/chemical-product-engineering-inc>

**Co-op Academic Coordinator**

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

Dr Emma Lovell

[e.lovell@unsw.edu.au](mailto:e.lovell@unsw.edu.au)

**When would I be on Industry Training (IT)?**

