

Engineering

Bachelor of Engineering (Honours) (3707)

Chemical Product Engineering (CEICDH)

T1 Entry 2025 Sample Plan



UNSW
SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 1	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A	Term 1	CEIC2000 Materials and Energy Systems	Term 1	MATH2018 Engineering Mathematics 2D	Term 1	CEIC4007 Product Design Project Thesis A
	CHEM1811 Engineering Chemistry 1A		CEIC2001 Fluid and Particle Mechanics		CHEM3021 Organic Chemistry: Modern Synthetic Strategies		CEIC6711 Complex Fluids Microstructure & Rheology
	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A		MATH2089 Numerical Methods and Statistics		General Education Course		Discipline Elective Course
Term 2	ENGG1811 Computing for Engineers	Term 2	CEIC2002 Heat and Mass Transfer	Term 2	CEIC8104 Topics in Polymer Technology	Term 2	CEIC4008 Product Design Project Thesis B
	CHEM1821 Engineering Chemistry 1B		CEIC2005 Chemical Reaction Engineering		CEIC4000 Environment and Sustainability		CEIC8204 Entrepreneurship & the Innovation Cycle
	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B		CHEM2021 Organic Chemistry: Mechanisms & Biomolecules		Free Elective Course		Discipline Elective Course
Term 3	DESN1000 Engineering Design & Innovation	Term 3	CHEM2031 Inorganic Chemistry: The Elements	Term 3	CEIC3001 Advanced Thermodynamics and Separation	Term 3	General Education Course
	CHEM2041 Analytical Chemistry: Essential Methods		DESN2000 Engineering Design and Practice		Discipline Elective Course		Free Elective Course

NOTES

Compulsory Training Component: There is a program requirement of 60 days approved [Industrial Training](#) ENGG4999

*CEIC1000 is suggested as the free elective

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

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T2 Entry 2025 Sample Plan



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SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 2	ENGG1811 Computing for Engineers	Term 2	CHEM1821 Engineering Chemistry 1B	Term 2	CEIC2002 Heat and Mass Transfer	Term 2	CEIC4008 Product Design Project Thesis B
	MATH1131 Mathematics 1A		MATH2018 Engineering Mathematics 2D		CHEM2021 Organic Chemistry: Mechanisms & Biomolecules		CEIC8104 Topics in Polymer Technology
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A				CEIC2005 Chemical Reaction Engineering		CEIC8204 Entrepreneurship & the Innovation Cycle
Term 3	DESN1000 Engineering Design & Innovation	Term 3	CHEM2041 Analytical Chemistry: Essential Methods	Term 3	CHEM2031 Inorganic Chemistry: The Elements	Term 3	CEIC4000 Environment and Sustainability
	MATH1231 Mathematics 1B		DESN2000 Engineering Design and Practice		CEIC3001 Advanced Thermodynamics and Separation		Discipline Elective Course
			Free Elective Course*				Discipline Elective Course
Term 1	CHEM1811 Engineering Chemistry 1A	Term 1	MATH2089 Numerical Methods and Statistics	Term 1	CEIC4007 Product Design Project Thesis A	Term 1	Discipline Elective Course
	CEIC2001 Fluid and Particle Mechanics		Free Elective Course		CEIC6711 Complex Fluids Microstructure & Rheology		General Education Course
	CEIC2000 Materials and Energy Systems				CHEM3021 Organic Chemistry: Modern Synthetic Strategies		

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Engineering

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T3 Entry 2025 Sample Plan



UNSW
SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 3	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A	Term 3	CHEM2041 Analytical Chemistry: Essential Methods	Term 3	CHEM2031 Inorganic Chemistry: The Elements	Term 3	CEIC3001 Advanced Thermodynamics and Separation
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		MATH2089 Numerical Methods and Statistics		DESN2000 Engineering Design and Practice		General Education Course
	DESN1000 Engineering Design & Innovation		Free Elective Course*				
Term 1	ENGG1811 Computing for Engineers	Term 1	CEIC2000 Materials and Energy Systems	Term 1	CHEM3021 Organic Chemistry: Modern Synthetic Strategies	Term 1	CEIC4007 Product Design Project Thesis A
	CHEM1811 Engineering Chemistry 1A		CEIC2001 Fluid and Particle Mechanics		Discipline Elective Course		CEIC6711 Complex Fluids Microstructure & Rheology
	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B				General Education Course		Discipline Elective Course
Term 2	MATH2018 Engineering Mathematics 2D	Term 2	CEIC2002 Heat and Mass Transfer	Term 2	CEIC8104 Topics in Polymer Technology	Term 2	CEIC4008 Product Design Project Thesis B
	CHEM1821 Engineering Chemistry 1B		CEIC2005 Chemical Reaction Engineering		CEIC4000 Environment and Sustainability		CEIC8204 Entrepreneurship & the Innovation Cycle
			CHEM2021 Organic Chemistry: Mechanisms & Biomolecules		Free Elective Course		Discipline Elective Course

NOTES

Compulsory Training Component: There is a program requirement of 60 days approved [Industrial Training](#) ENGG4999

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