

Engineering

Bachelor of Engineering (Honours) (3707)

Chemical Product Engineering (CEICDH)

T1 Entry 2024 Sample Plan



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 OR ELEC4445 Entrepreneurial Engineering
	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
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 2024 Sample Plan



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		CEIC2005 Chemical Reaction Engineering		CHEM2021 Organic Chemistry: Mechanisms & Biomolecules		CEIC4000 Environment and Sustainability
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A		MATH2018 Engineering Mathematics 2D		CEIC8104 Topics in Polymer Technology		CEIC8204 Entrepreneurship & the Innovation Cycle <u>OR</u> ELEC4445 Entrepreneurial Engineering
Term 3	DESN1000 Engineering Design & Innovation	Term 3	CHEM2041 Analytical Chemistry: Essential Methods	Term 3	CHEM2031 Inorganic Chemistry: The Elements	Term 3	Discipline Elective Course
	MATH1231 Mathematics 1B		DESN2000 Engineering Design and Practice		CEIC3001 Advanced Thermodynamics and Separation		Discipline Elective Course
	Free Elective Course		General Education Course				Free Elective Course
Term 1	CHEM1811 Engineering Chemistry 1A	Term 1	CEIC2001 Fluid and Particle Mechanics	Term 1	CEIC4007 Product Design Project Thesis A	Term 1	Discipline Elective Course
	MATH2089 Numerical Methods and Statistics		CEIC2000 Materials and Energy Systems		CEIC6711 Complex Fluids Microstructure & Rheology		General Education Course
					CHEM3021 Organic Chemistry: Modern Synthetic Strategies		

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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T3 Entry 2024 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 3	MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A	Term 3	Free Elective Course	Term 3	CHEM2031 Inorganic Chemistry: The Elements	Term 3	CEIC3001 Advanced Thermodynamics and Separation
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A		CHEM2041 Analytical Chemistry: Essential Methods		DESN2000 Engineering Design and Practice		General Education Course
	DESN1000 Engineering Design & Innovation		MATH2089 Numerical Methods and Statistics				
Term 1	ENGG1811 Computing for Engineers	Term 1	CEIC2000 Materials and Energy Systems	Term 1	Discipline Elective Course	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
	MATH1231 Mathematics 1B <u>OR</u> 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 <u>OR</u> ELEC4445 Entrepreneurial Engineering
			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
	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.