

Bachelor of Engineering (Honours) (3707)

Chemical Engineering (CEICAH)

T1 Entry 2023 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 1	DESN1000 Engineering Design & Innovation	Term 1	CEIC2000 Materials and Energy Systems	Term 1	CEIC3000 Process Modelling and Analysis	Term 1	CEIC4001 Process Design Project (12 UoC)
	CHEM1811 Engineering Chemistry 1A		CEIC2001 Fluid and Particle Mechanics		CEIC3004 Process Equipment and Design		CEIC4952 Research Thesis B (4 UoC)
	MATH1131 OR MATH1141 (Higher) Mathematics 1A		MATH2089 Numerical Methods and Statistics		CEIC3005 Process Plant Design		
Term 2	ENGG1811 Computing for Engineers	Term 2	CEIC2002 Heat and Mass Transfer	Term 2	CEIC3006 Process Dynamics and Control	Term 2	CEIC4953 Research Thesis C (4 UoC)
	CHEM1821 Engineering Chemistry 1B		CEIC2005 Chemical Reaction Engineering		CEIC3007 Chemical Engineering Lab B		Depth Elective Course
	MATH1231 OR MATH1241 (Higher) Mathematics 1B				CEIC4000 Environment & Sustainability		General Education Course
Term 3	PHYS1121 OR PHYS1131 (Higher) Physics 1A	Term 3	CEIC2007 Chemical Engineering Lab A	Term 3	CEIC4951 Research Thesis A (4 UoC)	Term 3	Breadth Elective Course
	MATH2018 Engineering Mathematics 2D		DESN2000 Engineering Design and Practice		General Education Course		
	Free Elective Course		CEIC3001 Advanced Thermodynamics and Separation		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 2023 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 2	MATH1131 OR MATH1141 (Higher) Mathematics 1A	Term 2	CEIC2002 Heat and Mass Transfer	Term 2	CEIC3006 Process Dynamics and Control	Term 2	CEIC4951 Research Thesis A (4 UoC)
	PHYS1121 OR PHYS1131 (Higher) Physics 1A		CEIC2005 Chemical Reaction Engineering		CEIC3007 Chemical Engineering Lab B		CEIC4000 Environment & Sustainability
	CHEM1011 Chemistry 1A: Atoms, Molecules and Energy		MATH2018 Engineering Mathematics 2D		General Education Course		Free Elective Course
Term 3	MATH1231 OR MATH1241 (Higher) Mathematics 1B	Term 3	CEIC2007 Chemical Engineering Lab A	Term 3	DESN2000 Engineering Design and Practice	Term 3	CEIC4952 Research Thesis B (4 UoC)
	ENGG1811 Computing for Engineers		DESN1000 Engineering Design & Innovation		Free Elective Course		General Education Course
	CHEM1021 Chemistry 1B: Elements, Compounds and Life		CEIC3001 Advanced Thermodynamics and Separation		Breadth Elective Course		Depth Elective Course
Term 1	CEIC2000 Materials and Energy Systems	Term 1	CEIC3000 Process Modelling and Analysis	Term 1	CEIC4001 Process Design Project (12 UoC)	Term 1	CEIC4953 Research Thesis C (4 UoC)
	CEIC2001 Fluid and Particle Mechanics		CEIC3004 Process Equipment and Design				
	MATH2089 Numerical Methods and Statistics		CEIC3005 Process Plant Design				

NOTES

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

CEIC1000 is suggested as the free elective

Students who begin in Term 2, are permitted to enroll into CHEM1011 and CHEM1021 in place of CHEM1811+1821, or may take a combination of those courses with permission from course convenor.

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T3 Entry 2023 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 3	ENGG1811 Computing for Engineers	Term 3	MATH2089 Numerical Methods and Statistics	Term 3	CEIC2007 Chemical Engineering Lab A	Term 3	CEIC4951 Research Thesis A (4 UoC)
	MATH1131 OR MATH1141 (Higher) Mathematics 1A		MATH2018 Engineering Mathematics 2D		DESN2000 Engineering Design and Practice		CEIC4000 Environment & Sustainability
	PHYS1121 OR PHYS1131 (Higher) Physics 1A		Free Elective		CEIC3001 Advanced Thermodynamics and Separation		Breadth Elective
Term 1	DESN1000 Engineering Design & Innovation	Term 1	CEIC2000 Materials and Energy Systems	Term 1	CEIC3000 Process Modelling and Analysis	Term 1	CEIC4001 Process Design Project (12 UoC)
	CHEM1811 Engineering Chemistry 1A		CEIC2001 Fluid and Particle Mechanics		CEIC3004 Process Equipment and Design		CEIC4952 Research Thesis B (4 UoC)
	MATH1231 OR MATH1241 (Higher) Mathematics 1B				CEIC3005 Process Plant Design		
Term 2	CHEM1821 Engineering Chemistry 1B	Term 2	CEIC2002 Heat and Mass Transfer	Term 2	CEIC3006 Process Dynamics and Control	Term 2	CEIC4953 Research Thesis C (4 UoC)
	Free Elective Course		CEIC2005 Chemical Reaction Engineering		CEIC3007 Chemical Engineering Lab B		Depth Elective
			General Education Course				General Education Course

NOTES

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

CEIC1000 is suggested as the free elective

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