Engineering

Bachelor of Engineering (Honours) (3707)

Chemical Engineering (CEICAH)

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

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

Engineering

Bachelor of Engineering (Honours) (3707)

Chemical Engineering (CEICAH)

T2 Entry 2025 Sample Plan

UNSW SYDNEY

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

NOTES

Compulsory Training Component: There is a program requirement of 60 days approved Industrial Training ENGG4999

*CEIC1000 is suggested as a free elective. Students who begin in Term 2, are permitted to enrol into CHEM1011 and CHEM1021 in place of CHEM1811/1821 or may take a combination of those courses with permission from course convenor.

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

Engineering

Bachelor of Engineering (Honours) (3707)

Chemical Engineering (CEICAH)

T3 Entry 2025 Sample Plan

UNSW SYDNEY

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

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