

Bachelor of Engineering (Honours) (3707)

Telecommunications Engineering (TELEAH)

T1 Entry 2023 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 1	DESN1000 Intro. to Eng. Design and Innovation	Term 1	ELEC2141 Digital Circuit Design	Term 1	ELEC3115 Electromagnetic Engineering	Term 1	ELEC4122 Strategic Leadership & Ethics
	ELEC1111 Electrical Circuit Fundamentals		ELEC2134 Circuits and Signals		ELEC3106 Electronics		Discipline Elective
	MATH1131 OR MATH1141 (Higher) Mathematics 1A				TELE3113 Analogue & Digital Communications		ELEC4951 Research Thesis A (4 UoC)
Term 2	COMP1511 Programming Fundamentals	Term 2	DESN2000 Engineering Design & Professional Practice	Term 2	ELEC3117 Electrical Engineering Design	Term 2	ELEC4952 Research Thesis B (4 UoC)
	PHYS1131 Higher Physics 1A		MATH2099 Mathematics 2B		ELEC3114 Control Systems		Free Elective OR Discipline Elective
	MATH1231 OR MATH1241 (Higher) Mathematics 1A		ELEC2133 Analogue Electronics		Discipline Elective		
Term 3	COMP1521 Computer Systems Fundamentals	Term 3	ELEC3104 Digital Signal Processing	Term 3	General Education Course	Term 3	ELEC4123 Electrical Design Proficiency
	PHYS1231 Higher Physics 1B		TELE3118 Network Technologies		Free Elective OR Discipline Elective		TELE3119 Trusted Networks
	MATH2069 Mathematics 2A		General Education Course				ELEC4953 Research Thesis C (4 UoC)

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 2023 Sample Plan

Year 1		Year 2		Year 3		Year 4	
Term 2	COMP1511 Programming Fundamentals	Term 2	DESN2000 Engineering Design & Professional Practice	Term 2	ELEC3117 Electrical Engineering Design	Term 2	Discipline Elective
	MATH1131 Mathematics 1A		MATH2099 Mathematics 2B		ELEC3114 Control Systems		ELEC4951 Research Thesis A (4 UoC)
	PHYS1131 Higher Physics 1A		ELEC2133 Analogue Electronics		General Education Course		
Term 3	DESN1000 Intro. to Eng. Design and Innovation	Term 3	ELEC3104 Digital Signal Processing	Term 3	Free Elective OR Discipline Elective	Term 3	ELEC4123 Electrical Design Proficiency
	ELEC1111 Electrical Circuit Fundamentals		MATH2069 Mathematics 2A		TELE3118 Network Technologies		TELE3119 Trusted Networks
	MATH1231 Mathematics 1B						ELEC4952 Research Thesis B (4 UoC)
Term 1	ELEC2134 Circuits and Signals	Term 1	COMP1521 Computer Systems Fundamentals	Term 1	TELE3113 Analogue & Digital Communications	Term 1	ELEC4122 Strategic Leadership & Ethics
	ELEC2141 Digital Circuit Design		ELEC3115 Electromagnetic Engineering		General Education Course		Discipline Elective
	PHYS1231 Higher Physics 1B		ELEC3106 Electronics		Free Elective OR Discipline Elective		ELEC4953 Research Thesis C (4 UoC)

NOTES

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T3 Entry 2023 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 3	DESN1000 Intro. to Eng. Design and Innovation	Term 3	PHYS1231 Higher Physics 1B	Term 3	TELE3118 Network Technologies	Term 3	TELE3119 Trusted Networks
	COMP1511 Programming Fundamentals		General Education Course		ELEC3104 Digital Signal Processing		Discipline Elective
	MATH1131 OR MATH1141 (Higher) Mathematics 1A		MATH2069 Mathematics 2A		Free Elective OR Discipline Elective		ELEC4951 Research Thesis A (4 UoC)
Term 1	ELEC1111 Electrical Circuit Fundamentals	Term 1	ELEC2141 Digital Circuit Design	Term 1	ELEC3115 Electromagnetic Engineering	Term 1	ELEC4122 Strategic Leadership & Ethics
	PHYS1131 Higher Physics 1A		ELEC2134 Circuits and Signals		ELEC3106 Electronics		ELEC4123 Electrical Design Proficiency
	MATH1231 OR MATH1241 (Higher) Mathematics 1A		General Education Course		TELE3113 Analogue & Digital Communications		ELEC4952 Research Thesis B (4 UoC)
Term 2	COMP1521 Computer Systems Fundamentals	Term 2	DESN2000 Engineering Design & Professional Practice	Term 2	ELEC3117 Electrical Engineering Design	Term 2	Free Elective OR Discipline Elective
	MATH2099 Mathematics 2B		ELEC2133 Analogue Electronics		ELEC3114 Control Systems		Discipline Elective Course
							ELEC4953 Research Thesis C (4 UoC)

NOTES

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

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