

Bachelor of Engineering (Honours) (3707)

Electrical Engineering (ELECAH)

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 <u>OR</u> MATH1141 (Higher) Mathematics 1A		General Education Course		TELE3113 Analogue & Digital Communications		ELEC4951 Research Thesis A (4 UoC)
Term 2	PHYS1131 Higher Physics 1A	Term 2	DESN2000 Engineering Design & Professional Practice	Term 2	ELEC3117 Electrical Engineering Design	Term 2	Discipline Elective
	MATH1231 <u>OR</u> MATH1241 (Higher) Mathematics 1B		MATH2099 Mathematics 2B		ELEC3114 Control Systems		Free Elective <u>OR</u> Discipline Elective
	COMP1511 Programming Fundamentals		ELEC2133 Analogue Electronics		ELEC3105 Electrical Energy		ELEC4952 Research Thesis B (4 UoC)
Term 3	PHYS1231 Higher Physics 1B	Term 3	ELEC3104 Digital Signal Processing	Term 3	General Education Course	Term 3	ELEC4123 Electrical Design Proficiency
	COMP1521 Computer Systems Fundamentals		Free Elective <u>OR</u> Discipline Elective		Breadth/Discipline Elective		ELEC4953 Research Thesis C (4 UoC)
	MATH2069 Mathematics 2A						

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		Free Elective OR Discipline Elective
	PHYS1131 Higher Physics 1A		ELEC2133 Analogue Electronics		ELEC3105 Electrical Energy		ELEC4951 Research Thesis A (4 UoC)
Term 3	DESN1000 Intro. to Eng. Design and Innovation	Term 3	MATH2069 Mathematics 2A	Term 3	General Education Course	Term 3	ELEC4123 Electrical Design Proficiency
	ELEC1111 Electrical Circuit Fundamentals		COMP1521 Computer Systems Fundamentals		Breadth/Discipline Elective		Free Elective OR Discipline Elective
	MATH1231 Mathematics 1B				ELEC3104 Digital Signal Processing		ELEC4952 Research Thesis B (4 UoC)
Term 1	ELEC2134 Circuits and Signals	Term 1	ELEC3115 Electromagnetic Engineering	Term 1	General Education Course	Term 1	Discipline Elective
	ELEC2141 Digital Circuit Design		ELEC3106 Electronics		ELEC4122 Strategic Leadership & Ethics		ELEC4953 Research Thesis C (4 UoC)
	PHYS1231 Higher Physics 1B		TELE3113 Analogue & Digital Communications				

NOTES

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

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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	MATH2069 Mathematics 2A	Term 3	ELEC3104 Digital Signal Processing	Term 3	Discipline Elective
	COMP1511 Programming Fundamentals		General Education Course		Breadth/Discipline Elective		Discipline Elective
	MATH1131 OR MATH1141 (Higher) Mathematics 1A		PHYS1231 Higher Physics 1B				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 1B		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		Free Elective OR Discipline Elective
					ELEC3105 Electrical Energy		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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