

Engineering

Bachelor of Engineering (Honours) (3707)

Electrical Engineering (ELECAH)

T1 Entry 2025 Sample Plan



UNSW
SYDNEY

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	ELEC4951 Research Thesis A (4 UoC)
	ELEC1111 Electrical Circuit Fundamentals		ELEC2134 Circuits and Signals		ELEC3106 Electronics		ELEC4122 Strategic Leadership & Ethics
			COMP1521 Computer Systems Fundamentals		TELE3113 Analogue & Digital Communications		General Education Course
Term 2	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A	Term 2	DESN2000 Engineering Design & Professional Practice	Term 2	ELEC3117 Electrical Engineering Design	Term 2	ELEC4952 Research Thesis B (4 UoC)
	MATH1131 Mathematics 1A		MATH2099 Mathematics 2B		ELEC3114 Control Systems		Free Elective <u>OR Discipline Elective</u>
	General Education Course		ELEC2133 Analogue Electronics		ELEC3105 Electrical Energy		Discipline Elective
Term 3	PHYS1231 Higher Physics 1B	Term 3	ELEC3104 Digital Signal Processing	Term 3	Breadth/Discipline Elective	Term 3	ELEC4953 Research Thesis C (4 UoC)
	COMP1511 Programming Fundamentals <u>OR</u> COMP1911 Computing 1A		MATH2069 Mathematics 2A		Discipline Elective		ELEC4123 Electrical Design Proficiency
	MATH1231 Mathematics 1B						Free Elective <u>OR Discipline Elective</u>

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 2025 Sample Plan



UNSW
SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 2	COMP1911 Computing 1A	Term 2	DESN2000 Engineering Design & Professional Practice	Term 2	ELEC3117 Electrical Engineering Design	Term 2	ELEC4951 Research Thesis A (4 UoC)
	MATH1131 Mathematics 1A		MATH2099 Mathematics 2B		ELEC3114 Control Systems		Free Elective <u>OR</u> Discipline Elective
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A		ELEC2133 Analogue Electronics		ELEC3105 Electrical Energy		Discipline Elective
Term 3	ELEC1111 Electrical Circuit Fundamentals	Term 3	MATH2069 Mathematics 2A	Term 3	ELEC3104 Digital Signal Processing	Term 3	ELEC4952 Research Thesis B (4 UoC)
	PHYS1231 Higher Physics 1B		COMP1521 Computer Systems Fundamentals		Breadth/Discipline Elective		ELEC4123 Electrical Design Proficiency
	MATH1231 Mathematics 1B						Free Elective <u>OR</u> Discipline Elective
Term 1	ELEC2134 Circuits and Signals	Term 1	ELEC3115 Electromagnetic Engineering	Term 1	TELE3113 Analogue & Digital Communications	Term 1	ELEC4953 Research Thesis C (4 UoC)
	DESN1000 Intro. to Eng. Design and Innovation		ELEC3106 Electronics		ELEC4122 Strategic Leadership & Ethics		Discipline Elective
			ELEC2141 Digital Circuit Design		General Education Course		General Education Course

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Engineering

Bachelor of Engineering (Honours) (3707)

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T3 Entry 2025 Sample Plan



UNSW
SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 3	DESN1000 Intro. to Eng. Design and Innovation	Term 3	COMP1521 Computer Systems Fundamentals	Term 3	ELEC3104 Digital Signal Processing	Term 3	ELEC4951 Research Thesis A (4 UoC)
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		MATH2069 Mathematics 2A		Breadth OR Discipline Elective		Discipline Elective
	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A						Discipline Elective
Term 1	PHYS1231 Higher Physics 1B	Term 1	ELEC2141 Digital Circuit Design	Term 1	ELEC3115 Electromagnetic Engineering	Term 1	ELEC4952 Research Thesis B (4 UoC)
	MATH1231 Mathematics 1B		ELEC2134 Circuits and Signals		ELEC3106 Electronics		ELEC4123 Electrical Design Proficiency
	ELEC1111 Electrical Circuit Fundamentals		General Education Course		TELE3113 Analogue & Digital Communications		ELEC4122 Strategic Leadership & Ethics
Term 2	COMP1911 Computing 1A	Term 2	DESN2000 Engineering Design & Professional Practice	Term 2	ELEC3117 Electrical Engineering Design	Term 2	ELEC4953 Research Thesis C (4 UoC)
	General Education		ELEC2133 Analogue Electronics		ELEC3114 Control Systems		Free Elective OR Discipline Elective
			MATH2099 Mathematics 2B		ELEC3105 Electrical Energy		Free Elective OR Discipline Elective

NOTES

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