Bachelor of Engineering (Honours) / Computer Science (3785)
Electrical Engineering (ELECAH) / Computer Science (COMPA1)
T1 Entry 2025 Sample Plan

Year 1	
Term 1	COMP1511 Programming Fundamentals
	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A
Term 2	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B
	PHYS1231 Higher Physics 1B
	COMP1521 Computer Systems Fundamentals
Term 3	DESN1000 Introduction to Engineering Design and Innovation
	ELEC1111

Engineering

Bachelor of Engineering (Honours) / Computer Science (3785)
Electrical Engineering (ELECAH) / Computer Science (COMPA1)
T3 Entry 2025 Sample Plan

UNSW SYDNEY

	Year 1		Year 2		Year 3		Year 4		Year 5
Term 3	COMP1511 Programming Fundamentals	Term 3	MATH2069 Mathematics 2A	Term 3	COMP2521 Data Structures and Algorithms	Term 3	ELEC4123 Electrical Design Proficiency	Term 3	ELEC4951 Research Thesis A
	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A		COMP1521 Computer Systems Fundamentals		ELEC3104 Digital Signal Processing		COMP4920 Professional Issues and Ethics in Information Technology		Discipline Elective
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		COMP1531 Software Engineering Fundamentals						Discipline Elective
Term 1	DESN1000 Introduction to Engineering Design and Innovation	Term 1	ELEC2134 Circuits and Signals	Term 1	ELEC3106 Electronics	Term 1	COMP3900 Computer Science Project	Term 1	ELEC4952 Research Thesis B
	ELEC1111 Electrical Circuit Fundamentals		ELEC3115 Electromagnetic Engineering		TELE3113 Analogue and Digital Communications		ELEC4122 Strategic Leadership and Ethics		Computing Elective
	ELEC2141 Digital Circuit Design				COMP2511 Object-Oriented Design and Programming		Discipline Elective		Computing Elective
Term 2	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B	Term 2	DESN2000 Engineering Design and Professional Practice	Term 2	COMP3121 Algorithm Design and Analysis OR COMP3821 Extended Algorithm Design and Analysis	Term 2	ELEC3117 Electrical Engineering Design	Term 2	ELEC4953 Research Thesis C
	PHYS1231 Higher Physics 1B		ELEC2133 Analogue Electronics		ELEC3105 Electrical Energy		Disciplinary / Breadth Elective		Computing Elective
			MATH2099 Mathematics 2B		ELEC3114 Control Systems		Computing Elective		Computing Elective

NOTES

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

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