Engineering
Bachelor of Engineering (Honours) (3707)
Computer Engineering (COMPBH)
T1 Entry 2025 Sample Plan

UNSW SYDNEY

	Year 1		Year 2		Year 3		Year 4
Term 1	**MATH1081** Discrete Mathematics	Term 1	**COMP1521** Computer Systems Fundamentals	Term 1	**COMP2511** Object-Oriented Design & Programming	Term 1	**COMP4951** Research Thesis A (4 UoC)
	DESN1000 Engineering Design and Innovation		**COMP1531** Software Engineering Fundamentals		**COMP3222** Digital Circuits and Systems		**General Education Course**
			ELEC2134 Circuits and Signals		**Discipline Elective Course**		**Level 4 or Higher Discipline Elective Course**
Term 2	**COMP1511** Programming Fundamentals	Term 2	**DESN2000** Engineering Design & Professional Practice	Term 2	**COMP3211** Computer Architecture	Term 2	**COMP4952** Research Thesis B (4 UoC)
	PHYS1121 Physics 1A OR **PHYS1131** Higher Physics 1A		**MATH2099** Mathematics 2B		**Discipline Elective Course**		**COMP4601** Design Project B
	MATH1131 Mathematics 1A		**ELEC2133** Analogue Electronics		**Free Elective Course**		**General Education Course**
Term 3	**MATH1231** Mathematics 1B	Term 3	**COMP2521** Data Structures and Algorithms	Term 3	**COMP3601** Design Project A	Term 3	**COMP4953** Research Thesis C (4 UoC)
	ELEC1111 Electrical Circuit Fundamentals		**Free Elective Course**		**COMP3231** Operating Systems		**Level 4 or Higher Discipline Elective Course**
	PHYS1221 Physics 1B OR **PHYS1231** Higher Physics 1B						**COMP4920** Professional Issues and Ethics in Information Technology

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.

	Year 1		Year 2		Year 3		Year 4
Term 2	COMP1511 Programming Fundamentals	**Term 2**	COMP1531 Software Engineering Fundamentals	**Term 2**	COMP3231 Operating Systems	**Term 2**	COMP4951 Research Thesis A (4 UoC)
	MATH1131 Mathematics 1A		COMP2521 Data Structures and Algorithms		MATH2099 Mathematics 2B		COMP4601 Design Project B
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		DESN2000 Engineering Design & Professional Practice		ELEC2133 Analogue Electronics		COMP3211 Computer Architecture
Term 3	DESN1000 Engineering Design and Innovation	**Term 3**	COMP2511 Object-Oriented Design & Programming	**Term 3**	COMP3601 Design Project A	**Term 3**	COMP4952 Research Thesis B (4 UoC)
	COMP1521 Computer Systems Fundamentals		ELEC2134 Circuits and Signals		Discipline Elective Course		Level 4 or Higher Discipline Elective Course
	ELEC1111 Electrical Circuit Fundamentals				Free Elective		General Education Course
Term 1	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B	**Term 1**	COMP3222 Digital Circuits and Systems	**Term 1**	COMP4920 Professional Issues and Ethics in Information Technology	**Term 1**	COMP4953 Research Thesis C (4 UoC)
	PHYS1221 Physics 1B OR PHYS1231 Higher Physics 1B		MATH1081 Discrete Mathematics		Discipline Elective Course		Level 4 or Higher Discipline Elective Course
			General Education Course				Free Elective

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Engineering
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T3 Entry 2025 Sample Plan

	Year 1		Year 2		Year 3		Year 4
Term 3	**DESN1000** Engineering Design and Innovation	Term 3	**PHYS1221** Physics 1B OR **PHYS1231** Higher Physics 1B	Term 3	**COMP2511** Object-Oriented Design & Programming	Term 3	**COMP4951** Research Thesis A (4 UoC)
	COMP1511 Programming Fundamentals		**MATH1231** Mathematics 1B		**COMP3601** Design Project A		**Level 4 or Higher Discipline Elective Course**
	ELEC1111 Electrical Circuit Fundamentals		**COMP2521** Data Structures and Algorithms		**Free Elective**		**Free Elective**
Term 1	**COMP1521** Computer Systems Fundamentals	Term 1	**ELEC2134** Circuits and Signals	Term 1	**Discipline Elective Course**	Term 1	**COMP4952** Research Thesis B (4 UoC)
	PHYS1121 Physics 1A OR **PHYS1131** Higher Physics 1A		**COMP3222** Digital Circuits and Systems		**Discipline Elective Course**		**COMP4920** Professional Issues and Ethics in Information Technology
	MATH1131 Mathematics 1A OR **MATH1141** Higher Mathematics 1A				**General Education Course**		**Level 4 or Higher Discipline Elective Course**
Term 2	**COMP1531** Software Engineering Fundamentals	Term 2	**DESN2000** Engineering Design & Professional Practice	Term 2	**COMP3231** Operating Systems	Term 2	**COMP4953** Research Thesis C (4 UoC)
	MATH1081 Discrete Mathematics		**ELEC2133** Analogue Electronics		**MATH2099** Mathematics 2B		**COMP4601** Design Project B
			COMP3211 Computer Architecture				**General Education Course**

NOTES

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

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