



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

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Bachelor of Engineering (Honours) / Computer Science (3785)

Electrical Engineering (ELECAH) / Computer Science (COMPA1)
T2 Entry 2024 Sample Plan



Year 1		Year 2		Year 3		Year 4		Year 5	
Term 2	COMP1511 Programming Fundamentals	Term 2	COMP2521 Data Structures and Algorithms	Term 2	MATH2099 Mathematics 2B	Term 2	ELEC3105 Electrical Energy	Term 2	ELEC4951 Research Thesis A
	MATH1131① Mathematics 1A		DESN2000 Engineering Design and Professional Practice		Free Elective		ELEC3114 Control Systems		Disciplinary Elective
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A						ELEC3117 Electrical Engineering Design		Computing Elective
Term 3	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B	Term 3	MATH2069 Mathematics 2A	Term 3	COMP4920 Professional Issues and Ethics in Information Technology	Term 3	ELEC3104 Digital Signal Processing	Term 3	ELEC4952 Research Thesis B
	COMP1531 Software Engineering Fundamentals		COMP2511 Object-Oriented Design and Programming		ELEC2134 Circuits and Signals		ELEC4123 Electrical Design Proficiency		Computing Elective
	PHYS1231 Higher Physics 1B		Disciplinary / Breadth Elective		Computing Elective				Computing Elective
Term 1	COMP1521 Computer Systems Fundamentals	Term 1	ELEC3115 Electromagnetic Engineering	Term 1	COMP3121 Algorithm Design and Analysis OR COMP3821 Extended Algorithm Design and Analysis	Term 1	ELEC3106 Electronics	Term 1	ELEC4953 Research Thesis C
	DESN1000 Introduction to Engineering Design and Innovation		ELEC1111 Electrical Circuit Fundamentals		COMP3900 Computer Science Project		TELE3113 Analogue and Digital Communications		Computing Elective
			ELEC2141 Digital Circuit Design		ELEC3115 Electromagnetic Engineering		ELEC4122 Strategic Leadership and Ethics		Disciplinary Elective

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①Students can take MATH1131 or MATH1141 depending on term offerings



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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 <u>OR</u> MATH1141 Higher Mathematics 1A		COMP1521 Computer Systems Fundamentals		ELEC3104 Digital Signal Processing		COMP4920 Professional Issues and Ethics in Information Technology		Disciplinary Elective
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A		COMP1531 Software Engineering Fundamentals						Disciplinary 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		Free Elective		Computing Elective
Term 2	MATH1231 Mathematics 1B <u>OR</u> MATH1241 Higher Mathematics 1B	Term 2	DESN2000 Engineering Design and Professional Practice	Term 2	COMP3121 Algorithm Design and Analysis <u>OR</u> 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

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