	Year 2	Year 3
Term 2 COMP1511 Programming Fundamentals ENGG1300 Engineering Mechanics	**Term 2** COMP1521 Computer Systems Fundamentals MMAN1130 Design and Manufacturing	**Term 2** MMAN3200 Linear Systems and Control DESN3000 Strategic Design Innovation MECH3610 Advanced Thermofluids
Term 3 MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A ELEC1111 Electrical Circuit Fundamentals	**Term 3** COMP2521 Data Structures and Algorithms ENGG2500 Fluid Mechanics for Engineers DESN2000 Engineering Design and Professional Practice	**Term 3** MMAN2700 Thermodynamics MATH2089 Numerical Methods and Statistics
Term 1 COMP1531 Software Engineering Fundamentals DESN1000 Introduction to Engineering Design and Innovation MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B	**Term 1** MATH2018 Engineering Mathematics 2D OR MATH2019 Engineering Mathematics 2E ENGG2400 Mechanics of Solids 1 COMP2511	**Term 1** COMP3121 Algorithm Design and Analysis

Engineering

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

	Year 1		Year 2		Year 3		Year 4		Year 5
Term 3	COMP1511 Programming Fundamentals	Term 3	MMAN1130 Design and Manufacturing	Term 3	ENGG2500 Fluid Mechanics for Engineers	Term 3	COMP3900 Computer Science Project	Term 3	MMAN4951 Research Thesis A
	DESN1000 Introduction to Engineering Design and Innovation		ENGG1300 Engineering Mechanics		DESN2000 Engineering Design and Professional Practice		COMP3121 Algorithm Design and Analysis OR COMP3821 Extended Algorithm Design and Analysis		Computing Elective
	ELEC1111 Electrical Circuit Fundamentals				MMAN2700 Thermodynamics		Recommended Discipline Elective		Recommended Discipline Elective
Term 1	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A	Term 1	MATH2018 Engineering Mathematics 2D OR MATH2019 Engineering Mathematics 2E	Term 1	MECH3110 Mechanical Design 1	Term 1	MMAN3400 Mechanics of Solids 2	Term 1	MMAN4952 Research Thesis B
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		COMP2521 Data Structures and Algorithms		MATH2089 Numerical Methods and Statistics		Recommended Discipline Elective		Computing Elective
	COMP1521 Computer Systems Fundamentals		ENGG2400 Mechanics of Solids 1						Computing Elective
Term 2	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B	Term 2	COMP2511 Object-Oriented Design and Programming	Term 2	MECH3610 Advanced Thermofluids	Term 2	MECH4100 Mechanical Design 2	Term 2	MMAN4953 Research Thesis C
	COMP1531 Software Engineering Fundamentals		MMAN2300 Engineering Mechanics 2		MMAN3200 Linear Systems and Control		COMP4920 Professional Issues and Ethics in Information Technology		Computing Elective
			Discipline Elective		DESN3000 Strategic Design Innovation		Computing Elective		Discipline 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 ENGG4999
	At least 18 UOC of discipline electives must be chosen from the "Recommended Discipline Elective:" list in the handbook.