## **Engineering**

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

## Telecommunications (TELEAH) / Computer Science (COMPA1)

## T1 Entry 2025 Sample Plan



	Year 1
Term 1	COMP1511 Programming Fundamentals
	MATH1131 Mathematics 1A <u>QR</u> MATH1141 Higher Mathematics 1A
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A
Term 2	COMP1531 Software Engineering Fundamentals
	COMP1521 Computer Systems Fundamentals
Term 3	PHYS1231 Higher Physics 1B
	MATH1231 Mathematics 1B <u>OR</u> MATH1241 Higher Mathematics 1B
	DESN1000 Introduction to Engineering Design and Innovation

Year 2	
Term 1	ELEC2134 Circuits and Signals
	ELEC2141 Digital Circuit Design
	ELEC1111 Electrical Circuit Fundamentals
	DESN2000
Term 2	

	ELEC3117
Term 2	Electrical Engineering Design  ELEC3114  Control Systems
_	TELE3118 Network Technologies
Term 3	ELEC4123 Electrical Design Proficiency  ELEC3104 Digital Signal Processing

Year 4		
Term 1	COMP3121 Algorithm Design and Analysis <u>OR</u> COMP3821 Extended Algorithm Design and Analysis	
	TELE3113 Analogue and Digital Communications	
	ELEC4122 Strategic Leadership and Ethics	
Term 2	Discipline Elective	
	Breadth Elective	
Term 3	COMP3900 Computer Science Project	
	COMP4920 Professional Issues and Ethics in Information Technology	
	TELE3119 Trusted Networks	

Year 5	
Term 1	ELEC4951 Research Thesis A
	Computing Elective
	Computing Elective
Term 2	ELEC4952 Research Thesis B
	Discipline Elective
	Discipline Elective
Term 3	ELEC4953 Research Thesis C
	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 <u>Industrial Training</u> ENGG4999



Year 1		
Term 2	COMP1511 Programming Fundamentals	
	MATH1131 Mathematics 1A	
	PHYS1121 Physics 1A	
Term 3	COMP1531 Software Engineering Fundamentals	
	COMP1521 Computer Systems Fundamentals	
Term 1	PHYS1231	



