Engineering
Engineering (Honours) / Biomedical Engineering (3768)
Computer Engineering (COMPBH)
T1 Entry 2025 Sample Plan

Year 1

Term 1	**DESN1000** Engineering Design and Innovation
	PHYS1121 Physics 1A OR **PHYS1131** Higher Physics 1A
	MATH1131 Mathematics 1A OR **MATH1141** Higher Mathematics 1A
Term 2	**COMP1511** Programming Fundamentals
	MATH1081 Discrete Mathematics
Term 3	**MATH1231** Mathematics 1B OR **MATH1241** Higher Mathematics 1B
	ELEC1111 Electrical Circuit Fundamentals
	PHYS1221 Physics 1B OR **PHYS1231** Higher Physics 1B
	Analogue Electronics

Term 3	**COMP2521** Data Structures and Algorithms
	Discipline Elective

Year 3

Term 1	**COMP3222** Digital Circuits and Systems
	COMP2511 Object-Oriented Design & Programming
	PHSL2121 Principles of Physiology A
Term 2	**COMP3211** Computer Architecture
	Free Elective*
Term 3	**COMP3601** Design Project A
	COMP3231 Operating Systems
	Discipline Elective Term 2

COMP4601

Engineering
Engineering (Honours) / Biomedical Engineering (3768)
Computer Engineering (COMPBH)
T2 Entry 2025 Sample Plan

Year 1

Term	Course
Term 2	**COMP1511** Programming Fundamentals
Term 2	**MATH1131** Mathematics 1A
Term 2	**PHYS1121** Physics 1A OR **PHYS1131** Higher Physics 1A
Term 3	**DESN1000** Engineering Design and Innovation
Term 3	**COMP1521** Computer Systems Fundamentals
Term 3	**ELEC1111** Electrical Circuit Fundamentals
Term 1	**MATH1231** Mathematics 1B OR **MATH1241** Higher Mathematics 1B
Term 1	**PHYS1221** Physics 1B OR **PHYS1231** Higher Physics 1B

Year 2

Term	Course
Term 2	**COMP1531** Software Engineering Fundamentals
Term 2	**COMP2521** Data Structures and Algorithms
Term 2	**DESN2000** Engineering Design & Professional Practice
Term 3	**COMP2511** Object-Oriented Design & Programming
Term 3	**ELEC2134** Circuits and Signals
Term 3	**MATH1081** Discrete Mathematics
Term 1	**PHSL2121** Principles of Physiology A
Term 1	**COMP3222** Digital Circuits and Systems

Year 3

Term	Course
Term 2	**COMP3231** Operating Systems
Term 2	**MATH2099** Mathematics 2B
Term 2	**ELEC2133** Analogue Electronics
Term 3	**COMP3601** Design Project A
Term 3	**Discipline Elective**
Term 3	**Discipline Elective**
Term 1	**Biomedical Engineering Course**
Term 1	**Discipline Elective**

Year 4

Term	Course
Term 2	**COMP4601** Design Project B
Term 2	**COMP3211** Computer Architecture
Term 2	**Free Elective***
Term 3	**Discipline Elective**
Term 3	**Biomedical Engineering Course**
Term 1	**BIOM9410** Regulatory Requirements of Biomedical Technology
Term 1	**COMP4920** Professional Issues and Ethics in Information Technology
Term 1	**Biomedical Engineering Course**

Year 5

Term	Course
Term 2	**BIOM4951** Research Thesis A (4 UoC)
Term 2	**BIOM9420** Clinical Laboratory Science
Term 2	**Biomedical Engineering Course**
Term 3	**BIOM4952** Research Thesis B (4 UoC)
Term 3	**Biomedical Engineering Course**
Term 3	**Discipline Elective**
Term 1	**BIOM4953** Research Thesis C (4 UoC)
Term 1	**Biomedical Engineering Course**
Term 1	**Biomedical Engineering Course**

NOTES

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

*BIOM1010 Engineering in Medicine and Biology is a recommended elective

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

	Year 1
Term 3	**DESN1000** Engineering Design and Innovation
	COMP1511 Programming Fundamentals
	ELEC1111 Electrical Circuit Fundamentals
Term 1	**COMP1521** Computer Systems Fundamentals
	PHYS1121 Physics 1A OR **PHYS1131** Higher Physics 1A
	MATH1131 Mathematics 1A OR **MATH1141** Higher Mathematics 1A
Term 2	**COMP1531** Software Engineering Fundamentals
	MATH1081