Engineering

Engineering (Honours) / Biomedical Engineering (3768)

Electrical Engineering (ELECAH)

T1 Entry 2025 Sample Plan

	Year 1	Year 2	Year 3	Year 4	Year 5
Term 1	**DESN1000** Intro. to Eng. Design and Innovation	**ELEC2141** Digital Circuit Design	**ELEC3115** Electromagnetic Engineering	**ELEC4122** Strategic Leadership & Ethics	**BIOM4951** Research Thesis A (4 UoC)
	ELEC1111 Electrical Circuit Fundamentals	**ELEC2134** Circuits and Signals	**ELEC3106** Electronics	**Discipline Elective**	**BIOM9410** Regulatory Requirements of Biomedical Technology
		PHSL2121 Principles of Physiology A	**TELE3113** Analogue & Digital Communications	**Biomedical Engineering Course**	**Biomedical Engineering Course**
Term 2	**PHYS1121** Physics 1A OR **PHYS1131** Higher Physics 1A	**DESN2000** Engineering Design & Professional Practice	**ELEC3117** Electrical Engineering Design	**Biomedical Engineering Course**	**BIOM4952** Research Thesis B (4 UoC)
	MATH1131 Mathematics 1A	**MATH2099** Mathematics 2B	**ELEC3114** Control Systems	**Biomedical Engineering Course**	**BIOM9420** Clinical Laboratory Science
	COMP1911 Computing 1A	**ELEC2133** Analogue Electronics	**ELEC3105** Electrical Energy	**Breadth Elective**	**Biomedical Engineering Course**
Term 3	**COMP1521** Computer Systems Fundamentals	**MATH2069** Mathematics 2A	**ELEC3104** Digital Signal Processing	**ELEC4123** Electrical Design Proficiency	**BIOM4953** Research Thesis C (4 UoC)
	PHYS1231 Higher Physics 1B	**Discipline Elective**	**Discipline Elective**	**Biomedical Engineering Course**	**Free Elective**
	MATH1231 Mathematics 1B OR **MATH1241** Higher Mathematics 1B				**Biomedical Engineering Course**

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.

Engineering

Engineering (Honours) / Biomedical Engineering (3768)

Electrical Engineering (ELECAH)

T2 Entry 2025 Sample Plan

	Year 1	Year 2	Year 3	Year 4	Year 5
Term 2	**MATH1131** Mathematics 1A	**DESN2000** Engineering Design & Professional Practice	**Breadth Elective**	**ELEC3117** Electrical Engineering Design	**BIOM4951** Research Thesis A (4 UoC)
	PHYS1121 Physics 1A OR **PHYS1131** Higher Physics 1A	**ELEC2133** Analogue Electronics	**Discipline Elective**	**ELEC3114** Control Systems	**BIOM9420** Clinical Laboratory Science
	COMP1911 Computing 1A	**MATH2099** Mathematics 2B	**Discipline Elective**	**ELEC3105** Electrical Energy	**Biomedical Engineering Course**
Term 3	**ELEC1111** Electrical Circuit Fundamentals	**MATH2069** Mathematics 2A	**Biomedical Engineering Course**	**ELEC3104** Digital Signal Processing	**BIOM4952** Research Thesis B (4 UoC)
	PHYS1231 Higher Physics 1B	**COMP1521** Computer Systems Fundamentals	**Free Elective**	**Biomedical Engineering Course**	**ELEC4123** Electrical Design Proficiency
	MATH1231 Mathematics 1B			**Biomedical Engineering Course**	**Biomedical Engineering Course**
Term 1	**ELEC2134** Circuits and Signals	**PHSL2121** Principles of Physiology A	**ELEC3115** Electromagnetic Engineering	**BIOM9410** Regulatory Requirements of Biomedical Technology	**BIOM4953** Research Thesis C (4 UoC)
	DESN1000 Intro. to Eng. Design and Innovation	**ELEC2141** Digital Circuit Design	**ELEC3106** Electronics	**ELEC4122** Strategic Leadership & Ethics	**Biomedical Engineering Course**
		Discipline Elective	**TELE3113** Analogue & Digital Communications		**Biomedical Engineering Course**

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.

Engineering

Engineering (Honours) / Biomedical Engineering (3768)

Electrical Engineering (ELECAH)

T3 Entry 2025 Sample Plan

	Year 1	Year 2	Year 3	Year 4	Year 5
Term 3	**DESN1000** Intro. to Eng. Design and Innovation	**COMP1521** Computer Systems Fundamentals	**ELEC3104** Digital Signal Processing	**Breadth Elective**	**BIOM4951** Research Thesis A (4 UoC)
	PHYS1121 Physics 1A OR **PHYS1131** Higher Physics 1A	**MATH2069** Mathematics 2A	**Discipline Elective**	**Discipline Elective**	**Biomedical Engineering Course**
	MATH1131 Mathematics 1A OR **MATH1141** Higher Mathematics 1A			**Biomedical Engineering Course**	**Free Elective**
Term 1	**PHYS1231** Higher Physics 1B	**ELEC2141** Digital Circuit Design	**ELEC3115** Electromagnetic Engineering	**ELEC4122** Strategic Leadership & Ethics	**BIOM4952** Research Thesis B (4 UoC)
	MATH1231 Mathematics 1B	**ELEC2134** Circuits and Signals	**ELEC3106** Electronics	**ELEC4123** Electrical Design Proficiency	**BIOM9410** Regulatory Requirements of Biomedical Technology
	ELEC1111 Electrical Circuit Fundamentals	**PHSL2121** Principles of Physiology A	**TELE3113** Analogue & Digital Communications		**Biomedical Engineering Course**
Term 2	**COMP1911** Computing 1A	**DESN2000** Engineering Design & Professional Practice	**ELEC3117** Electrical Engineering Design	**Biomedical Engineering Course**	**BIOM4953** Research Thesis C (4 UoC)
	Discipline Elective	**ELEC2133** Analogue Electronics	**ELEC3114** Control Systems	**Biomedical Engineering Course**	**BIOM9420** Clinical Laboratory Science
		MATH2099 Mathematics 2B	**ELEC3105** Electrical Energy	**Biomedical Engineering Course**	**Biomedical Engineering Course**

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.