Engineering
Engineering (Honours) / Biomedical Engineering (3768)
Telecommunications Engineering (TELEAH)
T1 Entry 2025 Sample Plan

UNSW SYDNEY

	Year 1		Year 2		Year 3		Year 4		Year 5
Term 1	**ELEC1111** Electrical Circuit Fundamentals	Term 1	**ELEC2141** Digital Circuit Design	Term 1	**ELEC3115** Electromagnetic Engineering	Term 1	**ELEC4122** Strategic Leadership & Ethics	Term 1	**BIOM4951** Research Thesis A (4 UoC)
	PHYS1121 Physics 1 A OR **PHYS1131** Higher Physics 1A		**ELEC2134** Circuits and Signals		**ELEC3106** Electronics		**Breadth Elective**		**BIOM9410** Regulatory Requirements of Biomedical Technology
	MATH1131 Mathematics 1A OR **MATH1141** Higher Mathematics 1A		**PHSL2121** Principles of Physiology A		**TELE3113** Analogue & Digital Communications				**Biomedical Engineering Course**
Term 2	**COMP1911** Computing 1A	Term 2	**MATH2099** Mathematics 2B	Term 2	**ELEC3117** Electrical Engineering Design	Term 2	**Discipline Elective OR Biomedical Engineering Course**	Term 2	**BIOM4952** Research Thesis B (4 UoC)
	PHYS1231 Higher Physics 1B		**ELEC2133** Analogue Electronics		**ELEC3114** Control Systems		**Biomedical Engineering Course**		**BIOM9420** Clinical Laboratory Science
			DESN2000 Engineering Design & Professional Practice		**Free Elective***		**Biomedical Engineering Course**		**Discipline Elective**
Term 3	**COMP1521** Computer Systems Fundamentals	Term 3	**ELEC3104** Digital Signal Processing	Term 3	**TELE3118** Network Technologies	Term 3	**ELEC4123** Electrical Design Proficiency	Term 3	**BIOM4953** Research Thesis C (4 UoC)
	MATH1231 Mathematics 1B		**MATH2069** Mathematics 2A		**Discipline Elective**		**TELE3119** Trusted Networks		**Biomedical Engineering Course**
	DESN1000 Intro. to Eng. Design and Innovation						**Biomedical Engineering Course**		**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		Year 2		Year 3		Year 4		Year 5
Term 2	**COMP1911** Computing 1A	**Term 2**	**DESN2000** Engineering Design & Professional Practice	**Term 2**	**ELEC3117** Electrical Engineering Design	**Term 2**	**Discipline Elective**	**Term 2**	**BIOM4951** Research Thesis A (4 UoC)
	MATH1131 Mathematics 1A		**MATH2099** Mathematics 2B		**ELEC3114** Control Systems		**Discipline Elective**		**BIOM9420** Clinical Laboratory Science
	PHYS1121 Physics 1 A OR **PHYS1131** Higher Physics 1A		**ELEC2133** Analogue Electronics		**Free Elective***		**Biomedical Engineering Course**		**Biomedical Engineering Course**
Term 3	**PHYS1231** Higher Physics 1B	**Term 3**	**MATH2069** Mathematics 2A	**Term 3**	**TELE3118** Network Technologies	**Term 3**	**ELEC4123** Electrical Design Proficiency	**Term 3**	**BIOM4952** Research Thesis B (4 UoC)
	ELEC1111 Electrical Circuit Fundamentals		**COMP1521** Computer Systems Fundamentals		**ELEC3104** Digital Signal Processin		**TELE3119** Trusted Networks		**Discipline Elective OR Biomedical Engineering Course**
	MATH1231 Mathematics 1B								**Biomedical Engineering Course**
Term 1	**ELEC2134** Circuits and Signals	**Term 1**	**PHSL2121** Principles of Physiology A	**Term 1**	**TELE3113** Analogue & Digital Communications	**Term 1**	**BIOM9410** Regulatory Requirements of Biomedical Technology	**Term 1**	**BIOM4953** Research Thesis C (4 UoC)
	DESN1000 Intro. to Eng. Design and Innovation		**ELEC3115** Electromagnetic Engineering		**ELEC3106** Electronics		**ELEC4122** Strategic Leadership & Ethics		**Biomedical Engineering Course**
			ELEC2141 Digital Circuit Design		**Breadth Elective**		**Biomedical Engineering Course**		**Biomedical Engineering Course**

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Engineering
Engineering (Honours) / Biomedical Engineering (3768)
Telecommunications Engineering (TELEAH)
T3 Entry 2025 Sample Plan

UNSW SYDNEY

	Year 1		Year 2		Year 3		Year 4		Year 5
Term 3	**PHYS1121** Physics 1 A OR **PHYS1131** Higher Physics 1A	**Term 3**	**MATH2069** Mathematics 2A	**Term 3**	**TELE3118** Network Technologies	**Term 3**	**TELE3119** Trusted Networks	**Term 3**	**BIOM4951** Research Thesis A (4 UoC)
	COMP1511 Programming Fundamentals OR **COMP1911** Computing 1A		**ELEC1111** Electrical Circuit Fundamentals		**ELEC3104** Digital Signal Processing		**Discipline Elective**		**Biomedical Engineering Course**
	MATH1131 Mathematics 1A OR **MATH1141** Higher Mathematics 1A						**Breadth Elective**		**Biomedical Engineering Course**
Term 1	**PHYS1231** Higher Physics 1B	**Term 1**	**ELEC2141** Digital Circuit Design	**Term 1**	**ELEC3115** Electromagnetic Engineering	**Term 1**	**ELEC4122** Strategic Leadership & Ethics	**Term 1**	**BIOM4952** Research Thesis B (4 UoC)
	DESN1000 Intro. to Eng. Design and Innovation		**PHSL2121** Principles of Physiology A		**ELEC3106** Electronics		**ELEC4123** Electrical Design Proficiency		**BIOM9410** Regulatory Requirements of Biomedical Technology
	MATH1231 Mathematics 1B OR **MATH1241** Higher Mathematics 1B		**ELEC2134** Circuits and Signals		**TELE3113** Analogue & Digital Communications				**Discipline Elective**
Term 2	**COMP1521** Computer Systems Fundamentals	**Term 2**	**DESN2000** Engineering Design & Professional Practice	**Term 2**	**ELEC3117** Electrical Engineering Design	**Term 2**	**Biomedical Engineering Course**	**Term 2**	**BIOM4953** Research Thesis C (4 UoC)
	MATH2099 Mathematics 2B		**ELEC2133** Analogue Electronics		**ELEC3114** Control Systems		**Biomedical Engineering Course**		**BIOM9420** Clinical Laboratory Science
			Free Elective*		**Discipline Elective OR Biomedical Engineering Course**		**Biomedical Engineering Course**		**Biomedical Engineering Course**

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