



Year 1		Year 2		Year 3		Year 4		Year 5	
Term 1	DESN1000 Engineering Design and Innovation	Term 1	MATH2019 Engineering Mathematics 2E <u>OR</u> MATH2018 Engineering Mathematics 2D	Term 1	MTRN3210 Feedback Control Systems	Term 1	MTRN3020 Modelling and Control of Mechatronic Systems	Term 1	BIOM4951 Research Thesis A (4 UoC)
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A		MATH2089 Numerical Methods and Statistics		PHSL2121 Principles of Physiology A		MTRN4010 Advanced Autonomous Systems		BIOM9410 Regulatory Requirements of Biomedical Technology
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A		ELEC2141 Digital Circuit Design		Free Elective		Recommended Discipline Elective		Biomedical Engineering Course
Term 2	MATH1231 Mathematics 1B <u>OR</u> MATH1241 Higher Mathematics 1B	Term 2	COMP2521 Data Structures and Algorithms	Term 2	MTRN3100 Robot Design	Term 2	MTRN4230 Robotics	Term 2	BIOM4952 Research Thesis B (4 UoC)
	COMP1511 Programming Fundamentals		MMAN2300 Engineering Mechanics 2		DESN3000 Strategic Design Innovation		Biomedical Engineering Course		BIOM9420 Clinical Laboratory Science
			MMAN2700* Thermodynamics						Biomedical Engineering Course
Term 3	MMAN1130 Design and Manufacturing	Term 3	DESN2000 Engineering Design and Professional Practice	Term 3	MTRN3500 Computing Applications in Mechatronics Systems	Term 3	Biomedical Engineering Course	Term 3	BIOM4953 Research Thesis C (4 UoC)
	ENGG1300 Engineering Mechanics		MTRN2500 Computing for Mechatronic Engineers		ANAT2511 Fundamentals of Anatomy		Biomedical Engineering Course		Biomedical Engineering Course
	ELEC1111 Electrical Circuit Fundamentals				Discipline Elective		Biomedical Engineering Course		Discipline Elective

NOTES

Compulsory Training Component: There is a program requirement of 60 days approved [Industrial Training](#) ENGG4999.

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*Students can take MMAN2700/ENGG2400 or ENGG2500 but MMAN2700 is recommended for this stream.



Year 1		Year 2		Year 3		Year 4		Year 5	
Term 2	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A	Term 2	MATH2019 Engineering Mathematics 2E <u>OR</u> MATH2018 Engineering Mathematics 2D	Term 2	DESN3000 Strategic Design Innovation	Term 2	MTRN4230 Robotics	Term 2	BIOM4951 Research Thesis A (4 UoC)
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A		COMP2521 Data Structures and Algorithms		MMAN2300 Engineering Mechanics 2		Free Elective		BIOM9420 Clinical Laboratory Science
	MMAN1130 Design and Manufacturing				MTRN3100 Robot Design		Biomedical Engineering Course		Biomedical Engineering Course
Term 3	COMP1511 Programming Fundamentals	Term 3	DESN2000 Engineering Design and Professional Practice	Term 3	MTRN3500 Computing Applications in Mechatronics Systems	Term 3	Biomedical Engineering Course	Term 3	BIOM4952 Research Thesis B (4 UoC)
	ENGG1300 Engineering Mechanics		MTRN2500 Computing for Mechatronic Engineers		ANAT2511 Fundamentals of Anatomy		Biomedical Engineering Course		Biomedical Engineering Course
	MATH1231 Mathematics 1B <u>OR</u> MATH1241 Higher Mathematics 1B		MATH2089 Numerical Methods and Statistics		Recommended Discipline Elective				Biomedical Engineering Course
Term 1	ELEC1111 Electrical Circuit Fundamentals	Term 1	ELEC2141 Digital Circuit Design	Term 1	MTRN3210 Feedback Control Systems	Term 1	MTRN4010 Advanced Autonomous Systems	Term 1	BIOM4953 Research Thesis C (4 UoC)
	DESN1000 Engineering Design and Innovation		PHSL2121 Principles of Physiology A		MTRN3020 Modelling and Control of Mechatronic Systems		BIOM9410 Regulatory Requirements of Biomedical Technology		Biomedical Engineering Course
			MMAN2700* Thermodynamics				Discipline Elective Course		Discipline Elective Course

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Term 3	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A	Term 3	DESN2000 Engineering Design and Professional Practice	Term 3	MTRN3500 Computing Applications in Mechatronics Systems	Term 3	Free Elective	Term 3	BIOM4951 Research Thesis A (4 UoC)
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A		ENGG1300 Engineering Mechanics		ANAT2511 Fundamentals of Anatomy		Discipline Elective		Biomedical Engineering Course
	COMP1511 Programming Fundamentals		MTRN2500 Computing for Mechatronic Engineers		Biomedical Engineering Course		Biomedical Engineering Course		
Term 1	DESN1000 Engineering Design and Innovation	Term 1	ELEC2141 Digital Circuit Design	Term 1	MTRN3210 Feedback Control Systems	Term 1	MTRN3020 Modelling and Control of Mechatronic Systems	Term 1	BIOM4952 Research Thesis B (4 UoC)
	ELEC1111 Electrical Circuit Fundamentals		MATH2019 Engineering Mathematics 2E <u>OR</u> MATH2018 Engineering Mathematics 2D		PHSL2121 Principles of Physiology A		MTRN4010 Advanced Autonomous Systems		BIOM9410 Regulatory Requirements of Biomedical Technology
	MATH1231 Mathematics 1B <u>OR</u> MATH1241 Higher Mathematics 1B		MATH2089 Numerical Methods and Statistics						Biomedical Engineering Course
Term 2	MMAN1130 Design and Manufacturing	Term 2	MMAN2300 Engineering Mechanics 2	Term 2	MTRN3100 Robot Design	Term 2	MTRN4230 Robotics	Term 2	BIOM4953 Research Thesis C (4 UoC)
	COMP2521 Data Structures and Algorithms		ENGG2400 Mechanics of Solids 1 <u>OR</u> ENGG2500 Fluid Mechanics for Engineering		DESN3000 Strategic Design Innovation		Biomedical Engineering Course		BIOM9420 Clinical Laboratory Science
					Discipline Elective		Biomedical Engineering Course		Recommended Discipline Elective

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