



Year 1		Year 2		Year 3		Year 4		Year 5	
Term 1	DESN1000 Introduction to Engineering Design and Innovation	Term 1	MMAN2700 Thermodynamics	Term 1	AERO3410 Aerospace Structures	Term 1	PHYS3112 Experimental and Computational Physics	Term 1	MMAN4951 Research Thesis A
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A		ELEC1111 Electrical Circuit Fundamentals		PHYS2111 Quantum Physics		AERO3630 Aerodynamics		AERO4620 Dynamics of Aerospace Vehicles, Systems and Avionics
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A		MATH2089 Numerical Methods and Statistics		Employability Experience Course		AERO3660 Flight Performance and Propulsion		PHYS3113 Thermal Physics and Statistical Mechanics
Term 2	SCIF0000 (0 UoC) Introduction to University	Term 2	ENGG2400 Mechanics of Solids 1	Term 2	AERO3110 Aerospace Design 1	Term 2	MMAN3200 Linear Systems and Control	Term 2	MMAN4952 Research Thesis B
	MATH1231 Mathematics 1B <u>OR</u> MATH1241 Higher Mathematics 1B		PHYS2114 Electromagnetism		DESN3000 Strategic Design Innovation		PHYS3111 Quantum Mechanics		Physics Elective
	MMAN1130 Design and Manufacturing				MATH2121 Theory and Applications of Differential Equations <u>OR</u> MATH2221 Higher Theory and Applications of Differential Equations		Physics Elective		Discipline Elective
Term 3	ENGG1300 Engineering Mechanics	Term 3	ENGG2500 Fluid Mechanics for Engineers	Term 3	MATH2069 Mathematics 2A	Term 3	AERO4110 Aerospace Design 2	Term 3	MMAN4953 Research Thesis C
	PHYS1221 Physics 1B <u>OR</u> PHYS1231 Higher Physics 1B		DESN2000 Engineering Design and Professional Practice		Employability Experience Course		SCIF1000 Skills in Science		SCIF3010 (0 UoC) Graduation Portfolio
	ENGG1811 Computing for Engineers <u>OR</u> COMP1511 Programming Fundamentals <u>OR</u> COMP1911 Computing 1A		MMAN2300 Engineering Mechanics 2						Recommended Discipline Elective*
									Discipline Elective

NOTES

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

*At least 6 UOC of discipline electives must be chosen from the "recommended discipline elective" list.



Year 1		Year 2		Year 3		Year 4		Year 5	
Term 2	MATH1131 Mathematics 1A	Term 2	ENGG2400 Mechanics of Solids 1	Term 2	AERO3110 Aerospace Design 1	Term 2	MMAN3200 Linear Systems and Control	Term 2	MMAN4951 Research Thesis A
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		MMAN1130 Design and Manufacturing		DESN3000 Strategic Design Innovation		PHYS3111 Quantum Mechanics		Physics Elective
	ENGG1811 Computing for Engineers OR COMP1511 Programming Fundamentals OR COMP1911 Computing 1A				PHYS2114 Electromagnetism		MATH2121 Theory and Applications of Differential Equations OR MATH2221 Higher Theory and Applications of Differential Equations		Recommended Discipline Elective*
	SCIF0000 (0 UoC) Introduction to University	Term 3	DESN2000 Engineering Design and Professional Practice	Term 3	MATH2069 Mathematics 2A	Term 3	SCIF1000 Skills in Science	Term 3	MMAN4952 Research Thesis B
Term 3	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B		ENGG2500 Fluid Mechanics for Engineers		Employability Experience Course		Employability Experience Course		AERO4110 Aerospace Design 2
	ENGG1300 Engineering Mechanics		MMAN2300 Engineering Mechanics 2				Physics Elective		Discipline Elective
	DESN1000 Introduction to Engineering Design and Innovation	Term 1	MMAN2700 Thermodynamics	Term 1	AERO3410 Aerospace Structures	Term 1	PHYS3112 Experimental and Computational Physics	Term 1	MMAN4953 Research Thesis C
Term 1	ELEC1111 Electrical Circuit Fundamentals		MATH2089 Numerical Methods and Statistics		AERO3630 Aerodynamics		Discipline Elective		PHYS3113 Thermal Physics and Statistical Mechanics
	PHYS1221 Physics 1B OR PHYS1231 Higher Physics 1B		PHYS2111		AERO3660 Flight Performance and Propulsion				AERO4620 Dynamics of Aerospace Vehicles, Systems and Avionics
									SCIF3010 (0 UoC) Graduation Portfolio

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Year 1		Year 2		Year 3		Year 4		Year 5	
Term 3	DESN1000 Introduction to Engineering Design and Innovation	Term 3	MMAN2300 Engineering Mechanics 2	Term 3	MATH2069 Mathematics 2A	Term 3	SCIF1000 Skills in Science	Term 3	MMAN4951 Research Thesis A
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A		ENGG1300 Engineering Mechanics		ENGG2500 Fluid Mechanics for Engineers		Physics Elective		AERO4110 Aerospace Design 2
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A		DESN2000 Engineering Design and Professional Practice				Recommended Discipline Elective*		Employability Experience Course
	SCIF0000 (0 UoC) Introduction to University								
Term 1	MATH1231 Mathematics 1B <u>OR</u> MATH1241 Higher Mathematics 1B	Term 1	MMAN2700 Thermodynamics	Term 1	PHYS2111 Quantum Physics	Term 1	AERO3410 Aerospace Structures	Term 1	MMAN4952 Research Thesis B
	ELEC1111 Electrical Circuit Fundamentals		MATH2089 Numerical Methods and Statistics		AERO3630 Aerodynamics		PHYS3112 Experimental and Computational Physics		AERO4620 Dynamics of Aerospace Vehicles, Systems and Avionics
	PHYS1221 Physics 1B <u>OR</u> PHYS1231 Higher Physics 1B		AERO3660 Flight Performance and Propulsion		Employability Experience Course		PHYS3113 Thermal Physics and Statistical Mechanics		
Term 2	MMAN1130 Design and Manufacturing	Term 2	MATH2121 Theory and Applications of Differential Equations <u>OR</u> MATH2221 Higher Theory and Applications of Differential Equations	Term 2	DESN3000 Strategic Design Innovation	Term 2	PHYS3111 Quantum Mechanics	Term 2	MMAN4953 Research Thesis C
	ENGG1811 Computing for Engineers <u>OR</u> COMP1511 Programming Fundamentals <u>OR</u> COMP1911 Computing 1A		ENGG2400 Mechanics of Solids 1		AERO3110 Aerospace Design 1		Discipline Elective		SCIF3010 (0 UoC) Graduation Portfolio
			PHYS2114 Electromagnetism		MMAN3200 Linear Systems and Control				Physics Elective
					Discipline Elective				

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