

Bachelor of Engineering (Honours) (3707)

Aerospace Engineering (AEROAH)

T1 Entry 2023 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 1	DESN1000 Engineering Design and Innovation	Term 1	MATH2019 OR MATH2018 Mathematics 2E (2D)	Term 1	AERO3410 Aerospace Structures	Term 1	AERO4620 Dynamics of Aerospace Vehicles, Systems & Avionics
	PHYS1121 OR PHYS1131 (Higher) Physics 1A		ELEC1111 Electrical Circuit and Fundamentals		AERO3630 Aerodynamics		Discipline Elective Course
	MATH1131 OR MATH1141 (Higher) Mathematics 1A		MMAN2700 Thermodynamics		AERO3660 Flight Performance and Propulsion		MMAN4951 (4 UoC) Research Thesis A
Term 2	MATH1231 OR MATH1241 (Higher) Mathematics 1B	Term 2	MMAN2300 Engineering Mechanics 2	Term 2	AERO3110 Aerospace Design 1	Term 2	Discipline Elective Course
	MMAN1130 Design and Manufacturing		ENGG2400 Mechanics of Solids 1		DESN3000 Strategic Design Innovation		MMAN4952 (4 UoC) Research Thesis B
	COMP1511 OR COMP1911 OR ENGG1811 Programming Fundamentals				MMAN3200 Linear Systems and Control		
Term 3	ENGG1300 Engineering Mechanics	Term 3	DESN2000 Engineering Design & Professional Practice	Term 3	General Education Course	Term 3	AERO4110 Aerospace Design 2
	*Free Elective Course		ENGG2500 Fluid Mechanics for Engineers		Free Elective Course		General Education Course
			MATH2089 Numerical Methods and Statistics		Discipline Elective		MMAN4953 (4 UoC) Research Thesis C

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.

***MATS1110 is recommended Free Elective Course to be taken during year 1.**

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

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T2 Entry 2023 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 2	COMP1511 OR COMP1911 OR ENGG1811 Programming Fundamentals	Term 2	MMAN1130 Design and Manufacturing	Term 2	AERO3110 Aerospace Design 1	Term 2	MMAN4951 (4 UoC) Research Thesis A
	PHYS1121 OR PHYS1131 (Higher) Physics 1A		MMAN2300 Engineering Mechanics 2		DESN3000 Strategic Design Innovation		Discipline Elective Course
	MATH1131 OR MATH1141 (Higher) Mathematics 1A		ENGG2400 Mechanics of Solids 1		MMAN3200 Linear Systems and Control		Discipline Elective Course
Term 3	*Free Elective Course	Term 3	DESN2000 Engineering Design & Professional Practice	Term 3	MATH2089 Numerical Methods and Statistics	Term 3	AERO4110 Aerospace Design 2
	MATH1231 OR MATH1241 (Higher) Mathematics 1B		ENGG2500 Fluid Mechanics for Engineers		ELEC1111 Electrical Circuit and Fundamentals		General Education Course
	ENGG1300 Engineering Mechanics				Free Elective Course		MMAN4952 (4 UoC) Research Thesis B
Term 1	DESN1000 Engineering Design and Innovation	Term 1	AERO3410 Aerospace Structures	Term 1	AERO4620 Dynamics of Aerospace Vehicles, Systems & Avionics	Term 1	General Education Course
	MATH2019 OR MATH2018 Mathematics 2E (2D)		AERO3630 Aerodynamics		Discipline Elective Course		MMAN4953 (4 UoC) Research Thesis C
	MMAN2700 Thermodynamics		AERO3660 Flight Performance and Propulsion				

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. *MATS1110 is recommended Free Elective Course to be attempted during year 1.
	At least 6 UOC of discipline electives must be chosen from the "recommended elective list".

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T3 Entry 2023 Sample Plan



Year 1		Year 2		Year 3		Year 4	
Term 3	DESN1000 Engineering Design and Innovation	Term 3	Free Elective Course	Term 3	DESN2000 Engineering Design & Professional Practice	Term 3	AERO4110 Aerospace Design 2
	PHYS1121 OR PHYS1131 (Higher) Physics 1A		ENGG1300 Engineering Mechanics		ENGG2500 Fluid Mechanics for Engineers		Discipline Elective Course
	MATH1131 OR MATH1141 (Higher) Mathematics 1A						MMAN4951 (4 UoC) Research Thesis A
Term 1	MATH1231 OR MATH1241 (Higher) Mathematics 1B	Term 1	MATH2019 OR MATH2018 Mathematics 2E (2D)	Term 1	AERO3410 Aerospace Structures	Term 1	AERO4620 Dynamics of Aerospace Vehicles, Systems & Avionics
	ELEC1111 Electrical Circuit Fundamentals		MATH2089 Numerical Methods and Statistic		AERO3630 Aerodynamics		Discipline Elective Course
			MMAN2700 Thermodynamics		AERO3660 Flight Performance and Propulsion		MMAN4952 (4 UoC) Research Thesis B
Term 2	MMAN1130 Design and Manufacturing	Term 2	MMAN2300 Engineering Mechanics 2	Term 2	AERO3110 Aerospace Design 1	Term 2	General Education Course
	COMP1511 OR COMP1911 OR ENGG1811 Programming Fundamentals		ENGG2400 Mechanics of Solids 1		DESN3000 Strategic Design Innovation		Discipline Elective Course
	*Free Elective Course		General Education Course		MMAN3200 Linear Systems and Control		MMAN4953 (4 UoC) Research Thesis C

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.

***MATS1110 is recommended Free Elective Course to be attempted during year 1.**

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