Engineering

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	**MATH2019 OR MATH2018** Mathematics 2E (2D)	**AERO3410** Aerospace Structures	**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	**MMAN2300** Engineering Mechanics 2	**AERO3110** Aerospace Design 1	**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	**DESN2000** Engineering Design & Professional Practice	**General Education Course**	**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".

Engineering

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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	**MMAN1130** Design and Manufacturing	**AERO3110** Aerospace Design 1	**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**	**DESN2000** Engineering Design & Professional Practice	**MATH2089** Numerical Methods and Statistics	**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	**AERO3410** Aerospace Structures	**AERO4620** Dynamics of Aerospace Vehicles, Systems & Avionics	**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

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Engineering

Bachelor of Engineering (Honours) (3707)

Aerospace Engineering (AEROAH)

T3 Entry 2023 Sample Plan

UNSW SYDNEY

	Year 1	Year 2	Year 3	Year 4
Term 3	**DESN1000** Engineering Design and Innovation	**Free Elective Course**	**DESN2000** Engineering Design & Professional Practice	**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	**MATH2019 OR MATH2018** Mathematics 2E (2D)	**AERO3410** Aerospace Structures	**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	**MMAN2300** Engineering Mechanics 2	**AERO3110** Aerospace Design 1	**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.
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At least 6 UOC of discipline electives must be chosen from the "recommended elective list".