Engineering

Bachelor of Engineering (Honours) (3707)

Aerospace Engineering (AEROAH)

T1 Entry 2025 Sample Plan

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

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.

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

Engineering

Bachelor of Engineering (Honours) (3707)

Aerospace Engineering (AEROAH)

T2 Entry 2025 Sample Plan

UNSW SYDNEY

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

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 2025 Sample Plan

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

NOTES

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

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