Engineering
Bachelor of Engineering (Honours) (3707)
Aerospace Engineering (AEROAH)
T1 Entry 2024 Sample Plan

	Year 1		Year 2		Year 3		Year 4
Term 1	**DESN1000** Engineering Design and Innovation	Term 1	**MATH2019** Engineering Mathematics 2E <u>OR</u> **MATH2018** Engineering Mathematics 2D	Term 1	**AERO3410** Aerospace Structures	Term 1	**AERO4620** Dynamics of Aerospace Vehicles, Systems & Avionics
	PHYS1121 Physics 1A <u>OR</u> **PHYS1131** Higher Physics 1A		**ELEC1111** Electrical Circuit and Fundamentals		**AERO3630** Aerodynamics		**Discipline Elective Course**
	MATH1131 Mathematics 1A <u>OR</u> **MATH1141** Higher Mathematics 1A		**MMAN2700** Thermodynamics		**AERO3660** Flight Performance and Propulsion		**MMAN4951** (4 UoC) Research Thesis A
Term 2	**MATH1231** Mathematics 1B <u>OR</u> **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
					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**
	ENGG1811 Computing for Engineers <u>OR</u> **COMP1511** Programming Fundamentals <u>OR</u> **COMP1911** Computing 1A		**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".

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

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Bachelor of Engineering (Honours) (3707)
Aerospace Engineering (AEROAH)
T3 Entry 2024 Sample Plan

UNSW SYDNEY

	Year 1		Year 2		Year 3		Year 4
Term 3	**DESN1000** Engineering Design and Innovation	**Term 3**	**ENGG1811** Computing for Engineers OR **COMP1511** Programming Fundamentals OR **COMP1911** Computing 1A	**Term 3**	**DESN2000** Engineering Design & Professional Practice	**Term 3**	**AERO4110** Aerospace Design 2
	PHYS1121 Physics 1A OR **PHYS1131** Higher Physics 1A		**ENGG1300** Engineering Mechanics		**ENGG2500** Fluid Mechanics for Engineers		**Discipline Elective Course**
	MATH1131 Mathematics 1A OR **MATH1141** Higher Mathematics 1A						**MMAN4951** (4 UoC) Research Thesis A
Term 1	**MATH1231** Mathematics 1B OR **MATH1241** (Higher) Mathematics 1B	**Term 1**	**MATH2019** Engineering Mathematics 2E OR **MATH2018** Engineering Mathematics 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**
	General Education Course		**ENGG2400** Mechanics of Solids 1		**DESN3000** Strategic Design Innovation		**Discipline Elective Course**
	***Free Elective Course**		**Free Elective Course**		**MMAN3200** Linear Systems and Control		**MMAN4953** (4 UoC) Research Thesis C

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