Engineering

Bachelor of Engineering (Honours) (3707)

Mechanical Engineering (MECHAH)

T1 Entry 2024 Sample Plan

UNSW SYDNEY

	Year 1	Year 2	Year 3	Year 4
Term 1	**DESN1000** Engineering Design and Innovation	**MATH2019** Engineering Mathematics 2E OR **MATH2018** Engineering Mathematics 2D	**Discipline Elective Course**	**Discipline Elective Course**
	PHYS1121 Physics 1A OR **PHYS1131** (Higher) Physics 1A	**MATH2089** Numerical Methods and Statistics	**MECH3110** Mechanical Design 1	**General Education Course**
	MATH1131 Mathematics 1A OR **MATH1141** Higher Mathematics 1A	**MMAN2700** Thermodynamics	**MMAN3400** Mechanics of Solids 2	**MMAN4951** (4 UoC) Research Thesis A
Term 2	**MATH1231** Mathematics 1B OR **MATH1241** Higher Mathematics 1B	**MMAN2300** Engineering Mechanics 2	**DESN3000** Strategic Design Innovation	**MECH4100** Mechanical Design 2
	MMAN1130 Design and Manufacturing	**ENGG2400** Mechanics of Solids 1	**MECH3610** Advanced Thermofluids	**Recommended Discipline Elective Course**
		***Free Elective Course**	**MMAN3200** Linear Systems and Control	**MMAN4952** (4 UoC) Research Thesis B
Term 3	**ENGG1300** Engineering Mechanics	**DESN2000** Engineering Design & Professional Practice	**General Education Course**	**Recommended Discipline Elective Course**
	ELEC1111 Electrical Circuit Fundamentals	**ENGG2500** Fluid Mechanics for Engineers	**Free Elective Course**	**MMAN4953** (4 UoC) Research Thesis C
	ENGG1811 Computing for Engineers OR **COMP1511** Programming Fundamentals OR **COMP1911** Computing 1A			**Recommended Discipline Elective Course**

NOTES

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

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

At least 18 UOC of discipline electives must be chosen from the "recommended elective list“ in the handbook.

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T2 Entry 2024 Sample Plan

	Year 1	Year 2	Year 3	Year 4
Term 2	***Free Elective Course** **PHYS1121** Physics 1A OR **PHYS1131** Higher Physics 1A **MATH1131** Mathematics 1A OR **MATH1141** Higher Mathematics 1A	**MMAN1130** Design and Manufacturing **MMAN2300** Engineering Mechanics 2 **ENGG2400** Mechanics of Solids 1	**DESN3000** Strategic Design Innovation **MECH3610** Advanced Thermofluids **MMAN3200** Linear Systems and Control	**MECH4100** Mechanical Design 2 **Recommended Discipline Elective Course** **MMAN4951** (4 UoC) Research Thesis A
Term 3	**ENGG1811** Computing for Engineers OR **COMP1511** Programming Fundamentals OR **COMP1911** Computing 1A **MATH1231** Mathematics 1B OR **MATH1241** Higher Mathematics 1B **ENGG1300** Engineering Mechanics	**DESN2000** Engineering Design & Professional Practice **ENGG2500** Fluid Mechanics for Engineers **MATH2089** Numerical Methods and Statistics	**General Education Course** **Discipline Elective Course** **Recommended Discipline Elective Course**	**Recommended Discipline Elective Course** **General Education Course** **MMAN4952** (4 UoC) Research Thesis B
Term 1	**ELEC1111** Electrical Circuit Fundamentals **DESN1000** Engineering Design and Innovation	**MMAN2700** Thermodynamics **MATH2019** Engineering Mathematics 2E OR **MATH2018** Engineering Mathematics 2D	**MECH3110** Mechanical Design 1 **MMAN3400** Mechanics of Solids 2	**Discipline Elective Course** **MMAN4953** (4 UoC) Research Thesis C **Free Elective Course**

NOTES

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Engineering

Bachelor of Engineering (Honours) (3707)

Mechanical Engineering (MECHAH)

T3 Entry 2024 Sample Plan

UNSW SYDNEY

	Year 1	Year 2	Year 3	Year 4
Term 3	**DESN1000** Engineering Design and Innovation	**DESN2000** Engineering Design & Professional Practice	**General Education Course**	**Recommended Discipline Elective Course**
	ELEC1111 Electrical Circuit Fundamentals	**ENGG1300** Engineering Mechanics	**Discipline Elective Course**	**General Education Course**
	ENGG1811 Computing for Engineers OR **COMP1511** Programming Fundamentals OR **COMP1911** Computing 1A	**ENGG2500** Fluid Mechanics for Engineers		**MMAN4951** (4 UoC) Research Thesis A
Term 1	**MATH1131** Mathematics 1A OR **MATH1141** Higher Mathematics 1A	**MATH2019** Engineering Mathematics 2E OR **MATH2018** Engineering Mathematics 2D	**MECH3110** Mechanical Design 1	**Recommended Discipline Elective Course**
	PHYS1121 Physics 1A OR **PHYS1131** Higher Physics 1A	**MATH2089** Numerical Methods and Statistics	**Discipline Elective Course**	**MMAN4952** (4 UoC) Research Thesis B
		MMAN2700 Thermodynamics	**MMAN3400** Mechanics of Solids 2	**Free Elective Course**
Term 2	**MMAN1130** Design and Manufacturing	**MMAN2300** Engineering Mechanics 2	**DESN3000** Strategic Design Innovation	**Recommended Discipline Elective Course**
	MATH1231 Mathematics 1B OR **MATH1241** Higher Mathematics 1B	**ENGG2400** Mechanics of Solids 1	**MECH3610** Advanced Thermofluids	**MECH4100** Mechanical Design 2
	***Free Elective 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

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