

Engineering

Bachelor of Engineering (Honours) (3707)

Mechanical Engineering (MECHAH)

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 OR MATH2018 Engineering Mathematics 2D	Term 1	Discipline Elective Course	Term 1	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	Term 2	MMAN2300 Engineering Mechanics 2	Term 2	DESN3000 Strategic Design Innovation	Term 2	MECH4100 Mechanical Design 2
	MMAN1130 Design and Manufacturing		ENGG2400 Mechanics of Solids 1		MECH3610 Advanced Thermofluids		Recommended Discipline Elective Course
	*Free Elective Course		Free Elective Course		MMAN3200 Linear Systems and Control		MMAN4952 (4 UoC) Research Thesis B
Term 3	ENGG1300 Engineering Mechanics	Term 3	DESN2000 Engineering Design & Professional Practice	Term 3	General Education Course	Term 3	Recommended Discipline Elective Course
	ELEC1111 Electrical Circuit Fundamentals		ENGG2500 Fluid Mechanics for Engineers		Recommended Discipline Elective Course		MMAN4953 (4 UoC) Research Thesis C
	ENGG1811 Computing for Engineers OR COMP1511 Programming Fundamentals OR COMP1911 Computing 1A						

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.
	This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.

Engineering

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Mechanical Engineering (MECHAH)

T2 Entry 2024 Sample Plan



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

NOTES	<p>Compulsory Training Component: There is a program requirement of 60 days approved Industrial Training ENGG4999</p> <p>*MATS1110 is recommended Free Elective Course to be attempted during year 1.</p> <p>At least 18 UOC of discipline electives must be chosen from the "recommended elective list" in the handbook.</p> <p>This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.</p>
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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	Term 3	DESN2000 Engineering Design & Professional Practice	Term 3	General Education Course	Term 3	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	Term 1	MATH2019 Engineering Mathematics 2E OR MATH2018 Engineering Mathematics 2D	Term 1	MECH3110 Mechanical Design 1	Term 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
	Free Elective Course		MMAN2700 Thermodynamics		MMAN3400 Mechanics of Solids 2		
Term 2	MMAN1130 Design and Manufacturing	Term 2	MMAN2300 Engineering Mechanics 2	Term 2	DESN3000 Strategic Design Innovation	Term 2	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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