



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	Discipline Elective Course	Term 1	MANF4150 Design of Intelligent Manufacturing Systems
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A		MATH2089 Numerical Methods and Statistics		MECH3110 Mechanical Design 1		MANF4430 Reliability and Maintenance Engineering
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A		MMAN2700 Thermodynamics		MANF4100 Design and Analysis of Product-Process Systems		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	MANF3510 Process Technology and Automation	Term 2	MANF4611 Process Modelling and Simulation
	MMAN1130 Design and Manufacturing		ENGG2400 Mechanics of Solids 1		DESN3000 Strategic Design Innovation		General Education 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 and Professional Practice	Term 3	MMAN4400 Engineering Management	Term 3	Discipline Elective Course
	ENGG1811 Computing for Engineers <u>OR</u> COMP1511 Programming Fundamentals <u>OR</u> COMP1911 Computing 1A		ENGG2500 Fluid Mechanics for Engineers		General Education Course		MMAN4953 (4 UoC) Research Thesis C
	ELEC1111 Electrical Circuit Fundamentals						

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.

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

Engineering

Bachelor of Engineering (Honours) (3707)

Mechanical & Manufacturing Engineering (MANFBH)

T2 Entry 2024 Sample Plan



UNSW
SYDNEY

Year 1		Year 2		Year 3		Year 4	
Term 2	Free Elective Course	Term 2	MMAN1130 Design and Manufacturing	Term 2	MANF3510 Process Technology and Automation	Term 2	MANF4611 Process Modelling and Simulation
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A		MMAN2300 Engineering Mechanics 2		DESN3000 Strategic Design Innovation		General Education Course
	MATH1131 Mathematics 1A <u>OR</u> 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 <u>OR</u> COMP1511 Programming Fundamentals <u>OR</u> COMP1911 Computing 1A	Term 3	DESN2000 Engineering Design and Professional Practice	Term 3	MMAN4400 Engineering Management	Term 3	Discipline Elective Course
	MATH1231 Mathematics 1B <u>OR</u> MATH1241 Higher Mathematics 1B		ENGG2500 Fluid Mechanics for Engineers		MATH2089 Numerical Methods and Statistics		Discipline Elective Course
	ENGG1300 Engineering Mechanics				General Education Course		MMAN4952 (4 UoC) Research Thesis B
Term 1	ELEC1111 Electrical Circuit Fundamentals	Term 1	MMAN2700 Thermodynamics	Term 1	MANF4100 Design and Analysis of Product-Process Systems	Term 1	MANF4150 Design of Intelligent Manufacturing Systems
	MATH2019 Engineering Mathematics 2E <u>OR</u> MATH2018 Engineering Mathematics 2D		MECH3110 Mechanical Design 1		MANF4430 Reliability and Maintenance Engineering		MMAN4953 (4 UoC) Research Thesis C
	DESN1000 Engineering Design and Innovation		Free Elective Course				

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>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 & Manufacturing Engineering (MANFBH)

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 and Professional Practice	Term 3	MMAN4400 Engineering Management	Term 3	Discipline Elective Course
	ELEC1111 Electrical Circuit Fundamentals		ENGG2500 Fluid Mechanics for Engineers		Discipline Elective Course		General Education Course
	ENGG1811 Computing for Engineers <u>OR</u> COMP1511 Programming Fundamentals <u>OR</u> COMP1911 Computing 1A		ENGG1300 Engineering Mechanics		General Education Course		MMAN4951 (4 UoC) Research Thesis A
Term 1	MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A	Term 1	MATH2019 Engineering Mathematics 2E <u>OR</u> MATH2018 Engineering Mathematics 2D	Term 1	MECH3110 Mechanical Design 1	Term 1	MANF4150 Design of Intelligent Manufacturing Systems
	PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A		MATH2089 Numerical Methods and Statistics		MANF4100 Design and Analysis of Product-Process Systems		MANF4430 Reliability and Maintenance Engineering
	Free Elective Course		MMAN2700 Thermodynamics				MMAN4952 (4 UoC) Research Thesis B
Term 2	MMAN1130 Design and Manufacturing	Term 2	MMAN2300 Engineering Mechanics 2	Term 2	MANF3510 Process Technology and Automation	Term 2	MANF4611 Process Modelling and Simulation
	MATH1231 Mathematics 1B <u>OR</u> MATH1241 Higher Mathematics 1B		ENGG2400 Mechanics of Solids 1		DESN3000 Strategic Design Innovation		MMAN4953 (4 UoC) Research Thesis C
	*Free Elective Course				MMAN3200 Linear Systems and Control		

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