



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	MECH3110 Mechanical Design 1	Term 1	MMAN4951 (4 UoC) Research Thesis A
	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
	MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A		MMAN2700 Thermodynamics		General Education Course		MANF4150 Design of Intelligent Manufacturing Systems
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	MMAN4952 (4 UoC) Research Thesis B
	MMAN1130 Design and Manufacturing		ENGG2400 Mechanics of Solids 1		DESN3000 Strategic Design Innovation		MANF4611 Process Modelling and Simulation
			Free Elective Course*		MMAN3200 Linear Systems and Control		Free Elective Course
Term 3	ENGG1300 Engineering Mechanics	Term 3	DESN2000 Engineering Design and Professional Practice	Term 3	MMAN4400 Engineering Management	Term 3	MMAN4953 (4 UoC) Research Thesis C
	ENGG1811 Computing for Engineers <u>OR</u> COMP1511 Programming Fundamentals <u>OR</u> COMP1911 Computing 1A		ENGG2500 Fluid Mechanics for Engineers		General Education Course		Discipline Elective Course
	ELEC1111 Electrical Circuit Fundamentals						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.

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 2025 Sample Plan



UNSW
SYDNEY

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	MANF3510 Process Technology and Automation	Term 2	MMAN4951 (4 UoC) Research Thesis A
	MATH1131 Mathematics 1A		MMAN2300 Engineering Mechanics 2		DESN3000 Strategic Design Innovation		MANF4611 Process Modelling and Simulation
	ENGG1811 Computing for Engineers OR COMP1511 Programming Fundamentals OR COMP1911 Computing 1A		ENGG2400 Mechanics of Solids 1		MMAN3200 Linear Systems and Control		Free Elective Course
Term 3	MATH1231 Mathematics 1B	Term 3	DESN2000 Engineering Design and Professional Practice	Term 3	MMAN4400 Engineering Management	Term 3	MMAN4952 (4 UoC) Research Thesis B
	ENGG1300 Engineering Mechanics		ENGG2500 Fluid Mechanics for Engineers		General Education Course		Discipline Elective Course
			Free Elective Course*				Discipline Elective Course
Term 1	ELEC1111 Electrical Circuit Fundamentals	Term 1	MMAN2700 Thermodynamics	Term 1	MANF4100 Design and Analysis of Product-Process Systems	Term 1	MMAN4953 (4 UoC) Research Thesis C
	MATH2019 Engineering Mathematics 2E OR MATH2018 Engineering Mathematics 2D		MATH2089 Numerical Methods and Statistics		MECH3110 Mechanical Design 1		MANF4430 Reliability and Maintenance Engineering
	DESN1000 Engineering Design and Innovation				General Education Course		MANF4150 Design of Intelligent Manufacturing Systems

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Engineering

Bachelor of Engineering (Honours) (3707)

Mechanical & Manufacturing Engineering (MANFBH)

T3 Entry 2025 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	MMAN4951 (4 UoC) Research Thesis A
	MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A		ENGG2500 Fluid Mechanics for Engineers		General Education Course		Discipline Elective Course
	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A		ENGG1300 Engineering Mechanics				Discipline Elective Course
Term 1	ELEC1111 Electrical Circuit Fundamentals	Term 1	MATH2019 Engineering Mathematics 2E OR MATH2018 Engineering Mathematics 2D	Term 1	MECH3110 Mechanical Design 1	Term 1	MMAN4952 (4 UoC) Research Thesis B
	MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B		MATH2089 Numerical Methods and Statistics		MANF4100 Design and Analysis of Product-Process Systems		MANF4430 Reliability and Maintenance Engineering
			MMAN2700 Thermodynamics		General Education Course		MANF4150 Design of Intelligent Manufacturing Systems
Term 2	MMAN1130 Design and Manufacturing	Term 2	MMAN2300 Engineering Mechanics 2	Term 2	MANF3510 Process Technology and Automation	Term 2	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		MANF4611 Process Modelling and Simulation
	Free Elective Course*				MMAN3200 Linear Systems and Control		Free Elective Course

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