



Sample Study Outline

Mechanical Engineering

Program / Degree: [3707 Engineering \(Mechanical Engineering\)](#)

Year	Term 1	UOC	Term 2	UOC	Term 3	UOC
1 st	MATH1131 Maths 1A OR MATH1141 Higher Maths 1A	6	MATH1231 Maths 1B OR MATH1241 Higher Maths 1B	6	ENGG1811	6
	DESN1000 Introduction to Engineering Design and Innovation	6	PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A	6	<i>Free Elective</i>	6
	ELEC1111 Electrical Circuit Fundamentals	6	MMAN1130 Design and Manufacturing	6	ENGG1300 Engineering Mechanics	6
	Total UOC	18	Total UOC	18	Total UOC	18
2 nd	MMAN2700 Thermodynamics	6	MMAN2300 Engineering Mechanics 2	6	ENGG4909 Co-op Industry Training 1	12
	MATH2019 Engineering Mathematics 2E	6	ENGG2400 Mechanics of Solids I	6		
	ENGG2500 Fluid Mechanics for Engineers	6	<i>Free Elective</i>	6		
	Total UOC	18	Total UOC	18	Total UOC (nominal)	12
3 rd	MMAN3400 Mechanics of Solids 2	6	MECH3610 Advanced Thermofluids	6	MATH2089 Numerical Methods and statistics	6
	GE Elective	6	Disciplinary Elective	6	Disciplinary Elective	6
	GE Elective	6	MMAN3200 Linear Systems and Control	6	DESN2000 Eng. Design and Professional Practice	6
	Total UOC	18	Total UOC	18	Total UOC	18
4 th	ENGG4902 Co-op Industry Training 2A	12	ENGG4903 Co-op Industry Training 2B ENGG4904 Co-op Industry Training 3A	6 6	ENGG4905 Co-op Industry Training 3B	12
	Total UOC (nominal)	12	Total UOC (nominal)	12	Total UOC (nominal)	12
5 th	MECH3110 Mechanical Design 1	6	MECH4100 Mechanical Design 2	6	Disciplinary Elective	6
	MMAN4010/MMAN4951 Thesis	6/4	MMAN4020/MMAN4952 Thesis	6/4	Disciplinary Elective	6
	Disciplinary Elective	6	DESN3000 Strategic Design Innovation	6	MMAN4953 Thesis	4

Year	Term 1	UOC	Term 2	UOC	Term 3	UOC
	Total UOC	18/16	Total UOC	18/16	Total UOC	16

Notes:

- This is a SAMPLE study outline only and can be subject to change.
- You must always take your Industry Training schedule into consideration when planning your course enrolment or other commitments (see below).
- 2 Free Electives and 2 GE Electives
- Five Recommended Disciplinary Electives

Resources:

- [UNSW Handbook](#)
- [School](#)
- [Co-op](#)

Co-op Academic Coordinator

For enrolment related questions please always contact your Co-op Academic Coordinator in the first instance:

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When would I be on Industry Training (IT)?

