

Bachelor of Engineering (Mechanical)(Honours) 2024 Study Planner



Science & Engineering

Semester 1 Start:

First Level	Semester 1	ENGR1721 Engineering Programming	ENGR1711 Engineering Design	PHYS1101 Physics 1A	MATH1121 Mathematics 1A
	Semester 2	ENGR1201 Electronics	ENGR1401 Professional Skills	ENGR1722 Engineering Materials and Systems	MATH1122 Mathematics 1B
Second Level	Semester 1	ENGR2711 Engineering Mathematics	ENGR2741 Mechanics and Structures	ENGR2751 Fluid Mechanics	Year 2 Major topic
	NS2	ENGR2703 Mechanical Practice Certificate			
	Semester 2	ENGR2771 Dynamics	PHYS2712 Thermodynamics and Energy Systems	Year 2 Major topic	Year 2 Major topic
Third Level	Semester 1	ENGR3751 Solid Mechanics	Year 3 Major topic	Year 3 Major topic	Year 3 Major topic
	NS	ENGR3750 Workplace Preparation (0 units)			
	Semester 2	ENGR9704 Engineering Management (NS2)	ENGR3700 Engineering Practicum (13.5 units) OR ENGR3710 International Engineering Practicum (13.5 units)		
Fourth Level	Semester 1	STEM7003 Research Methods for Engineering and ICT Honours	STEM7004A Honours Research Project (4.5/15 units)	ENGR7811 Advanced Mechanical Design	Year 4 Major topic
	Semester 2	STEM7004B Honours Research Project (4.5/15 units)	STEM7004C Honours Research Project (4.5/15 units)	ENGR9742 Systems Engineering	Year 4 Major topic

Semester 2 Start:

First Level	Semester 2	ENGR1401 Professional Skills	ENGR1201 Electronics	ENGR1722 Engineering Materials and Systems	MATH1121 Mathematics 1A
	Semester 1	ENGR1721 Engineering Programming	ENGR1711 Engineering Design	PHYS1101 Physics 1A	MATH1122 Mathematics 1B
	NS2	ENGR2703 Mechanical Practice Certificate			
Second Level	Semester 2	ENGR2771 Dynamics	ENGR2711 Engineering Mathematics	PHYS2712 Thermodynamics and Energy Systems	Year 2 Major topic
	NS1	ENGR3750 Workplace Preparation (0 units)			
	Semester 1	ENGR2741 Mechanics and Structures	ENGR2751 Fluid Mechanics	Year 2 Major topic	Year 2 Major topic
Third Level	Semester 2	ENGR9704 Engineering Management (NS2)	ENGR3700 Engineering Practicum (13.5 units) OR ENGR3710 International Engineering Practicum (13.5 units)		
	Semester 1	ENGR3751 Solid Mechanics	Year 3 Major topic	Year 3 Major topic	Year 3 Major topic
Fourth Level	Semester 2	STEM7003 Research Methods for Engineering and ICT Honours	STEM7004A Honours Research Project (4.5/15 units)	ENGR9742 Systems Engineering	Year 4 Major topic
	Semester 1	STEM7004B Honours Research Project (4.5/15 units)	STEM7004C Honours Research Project (4.5/15 units)	ENGR7811 Advanced Mechanical Design	Year 4 Major topic

Key:

Core Topics	Compulsory topic
Option Topics	A choice from a list of specified topics (please refer to course rule)
Major Topics	A topic from the Engineering major selected

Please note:

- This document is provided as a guide only. Students are responsible for ensuring that they have completed their study according to the official [Course Rule](#).
- Topic information for all topics, including pre-requisites can be found on the [Topic Page](#)
- General enrolment assistance is available via [Ask Flinders](#)
- For specific course advice e-mail: courseadvice.SE@flinders.edu.au