

# Bachelor of Engineering (Mechanical) (Honours) – Degree Apprenticeship (majoring in Mechanical Engineering (BENGMCAH) 2026 Study Plan

The following Study Planners are available within this document:

- [Semester 1 Commencing \(Page 2\)](#)

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](#)
- \*\* indicates that Pre-requisites apply

**Bachelor of Engineering (Mechanical) (Honours) – Degree Apprenticeship (majoring in Mechanical Engineering)**  
**Semester 1 Commencing**

First Level	Semester 1	<b>ENGR1721</b> Engineering Programming	<b>ENGR1031</b> Digital Design	<b>ENGR1030</b> Digital Electronics	<b>MATH1121</b> Mathematics 1A
	Semester 2	<b>ENGR1401</b> Professional Skills	<b>PHYS1101</b> Physics 1A	<b>ENGR1722</b> Engineering Materials and Statics	<b>MATH1122</b> Mathematics 1B**
Second Level	Semester 1	<b>ENGR2711</b> Engineering Mathematics**	<b>ENGR2741</b> Mechanics and Structures**	<b>ENGR2751</b> Fluid Mechanics**	
	NS1	<b>ENGR2703</b> Mechanical Practice Certificate			
	Semester 2	<b>ENGR2771</b> Dynamics**	<b>Year 2 Major topic ENGR2722</b> Signals and Systems**	<b>PHYS2712</b> Thermodynamics and Energy Systems**	<b>Year 2 Major Option Topic DSGN2702</b> Design for Sustainable Manufacture
Third Level	Semester 1	<b>ENGR3751</b> Solid Mechanics**	<b>Year 3 Major Topic ENGR2752</b> Mechanics of Machines**	<b>Year 3 Major Topic ENGR3711</b> Control Systems**	<b>Year 2 Major topic ENGR2781</b> Mechanical Design Project**
	Semester 2	<b>ENGR3705</b> Project Management	<b>Year 3 Major Topic ENGR2812</b> Engineering Materials 2**		
Fourth Level	Semester 1	<b>Year 3 Major topic ENGR3003</b> Advanced Manufacturing 1	<b>Year 3 Major Topic ENGR3761</b> Applied Thermo-Fluid Dynamics**		
	NS1	<b>ENGR3750</b> Workplace Preparation (0 units)**			
	Semester 2	<b>ENGR9742</b> Systems Engineering	<b>ENGR3700</b> Engineering Practicum (13.5 units)**		
Fifth Level	Semester 1	<b>ENGR7002A</b> Honours Research Thesis (4.5/18 units)**	<b>ENGR7002B</b> Honours Research Thesis (4.5/18 units)**	<b>ENGR7811</b> Advanced Mechanical Design**	
	Semester 2	<b>ENGR7002C</b> Honours Research Thesis (4.5/18 units)**	<b>ENGR7002D</b> Honours Research Thesis (4.5/18 units)**		