

## Bachelor of Engineering (Honours) (Mechanical Engineering)

Useful study planning/enrolment resources:

[Subject Search](#)

[Academic Calendars](#)

[Class Registration](#)

[Enrolment Resources](#)

The information in the study planner is current at the time of creation may be subject to future change.

If you would prefer a part-time study plan, please adjust the below study planner; reviewing subject prerequisites to ensure you are on track for course completion.

2023	TEACHING PERIOD 1		TEACHING PERIOD 2	
	Study Period 1	EG1000:03 Engineering 1	Study Period 2	EG1010:03 Process Engineering
	Study Period 1	EG1002:03 Computing and Sensors	Study Period 2	EG1011:03 Statics and Dynamics <i>PREREQ: PH1005 or (Physics and Maths C)</i>
	Study Period 1	MA1000:03 Mathematical Foundations <i>PREREQ: MA1020 or MA0020 or Maths B or Maths C</i>	Study Period 2	EG1012:03 Electric Circuits
	Study Period 1	PH1005:03 Advanced Stream Physics <i>PREREQ: Maths B or MA1020 or MA0020 or MA1008</i>	Study Period 2	MA1003:03 Mathematical Techniques <i>PREREQ: MA1000 or MA1011 or MA1009</i>

2024	TEACHING PERIOD 1		TEACHING PERIOD 2	
	Study Period 1	MA2000:03 Mathematics for Scientists and Engineers <i>PREREQ: MA1003</i>	Study Period 2	<b>Major</b> EG2010:03 Materials Science and Engineering
	Study Period 1	<b>Major</b> CS2001:03 Engineering Strength of Materials <i>PREREQ: EG1011</i>	Study Period 2	<b>Major</b> ME2525:03 Machine Element Design <i>PREREQ: CS2001</i>
	Study Period 1	<b>Major</b> ME2512:03 Thermofluid Mechanics <i>PREREQ: EG1011</i>	Study Period 2	<b>Major</b> EE3600:03 Automatic Control 1 <i>PREREQ: EG1012 and MA2000</i>
	Study Period 1	<b>Major</b> ME2521:03 Dynamics of Machine Elements <i>PREREQ: EG1011</i>	Study Period 2	Minor Subject/Elective Subject from list 1 (depending on chosen structure)

		TEACHING PERIOD 1		TEACHING PERIOD 2	
2025	Study Period 1	EG3000:03 Introduction to Systems Engineering and Project Management <i>PREREQ: EG1000 and EG1002 and EG1010 and EG1011 and EG1012 and MA1000 and MA1003 and (PH1005 or EG1001) or 36 credit points</i>	Study Period 2	<b>Major</b> CS3008:03 Fluid Mechanics <i>PREREQ: MA2000 and ME2512</i>	
	Study Period 1	<b>Major</b> EG3001:03 Finite Element Analysis <i>PREREQ: EG1002 and EG1011 and MA2000</i>	Study Period 2	<b>Major</b> ME3512:03 Heat and Mass Transfer <i>PREREQ: MA2000</i>	
	Study Period 1	<b>Major</b> ME3511:03 Dynamics and Acoustics <i>PREREQ: MA2000 and ME2521</i>	Study Period 2	<b>Major</b> ME3525:03 Mechanical Design <i>PREREQ: ME2525</i>	
	Study Period 1	Minor Subject/Elective Subject (depending on chosen structure)	Study Period 2	Minor Subject/Elective Subject from list 1 (depending on chosen structure)	

		TEACHING PERIOD 1		TEACHING PERIOD 2	
2026	Study Period 1	EG4011:03 Thesis Part 1 of 2 <i>PREREQ: 72 credit points in 116209</i>	Study Period 2	EG4012:03 Thesis Part 2 of 2 <i>PREREQ: EG4011</i>	
	Study Period 1	<b>Major</b> ME3515:03 Advanced Manufacturing Engineering <i>PREREQ: ME2525</i> <i>Offered in even years only</i>	Study Period 2	<b>Major</b> EG4013:03 Asset Management, Maintenance and Reliability <i>PREREQ: (EG1000 and EG1002 and EG1010 and EG1011 and EG1012 and MA1000 and MA1003 and (PH1005 or EG1001)) or 36 credit points</i>	
	Study Period 1	<b>Major</b> ME4513:03 Advanced Fluid Mechanics <i>PREREQ: CS3008</i>	Study Period 2	<b>Major</b> ME4515:03 Advanced Mechanical Engineering Design <i>PREREQ: ME3525</i>	
	Study Period 1	Minor Subject/Elective Subject (depending on chosen structure)	Study Period 2	<b>Major</b> ME4522:03 Energy, Conversion and Refrigeration <i>PREREQ: ME2512</i>	

### COURSE HANDBOOK

[2023 Bachelor of Engineering \(Hons\) Handbook](#)  
[Mechanical Engineering Major](#)