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.

	TEACHING PERIOD 1		TEACHING PERIOD 2	
2024	Study Period 1	MA1000:03 Mathematical Foundations *PREREQ: MA1020 or MA0020 or Maths B or Maths C*	Study Period 2	EG1012:03 Electric Circuits
	Study Period 1	EG1002:03 Computing and Sensors	Study Period 2	EG1011:03 Statics and Dynamics *PREREQ: PH1005 or (Physics and Maths C)*
	Study Period 1	EG1000:03 Engineering 1	Study Period 2	EG1010:03 Process Engineering
	Study Period 1	PH1005:03 Advanced Stream Physics *PREREQ: Maths B or MA1020 or MA0020 or MA1008*	Study Period 2	MA1003:03 Mathematical Techniques *PREREQ: MA1000 or MA1011 or MA1009*

	TEACHING PERIOD 1		TEACHING PERIOD 2	
2025	Study Period 1	MA2000:03 Mathematics for Scientists and Engineers *PREREQ: MA1003*	Study Period 2	**Major** EG2010:03 Materials Science and Engineering
	Study Period 1	**Major** CS2001:03 Engineering Strength of Materials *PREREQ: EG1011*	Study Period 2	**Major** ME2525:03 Machine Element Design *PREREQ: CS2001*
	Study Period 1	**Major** ME2512:03 Thermofluid Mechanics *PREREQ: EG1011*	Study Period 2	**Major** EE3600:03 Automatic Control 1 *PREREQ: EG1012 and MA2000*
	Study Period 1	**Major** ME2521:03 Dynamics of Machine Elements *PREREQ: EG1011*	Study Period 2	Minor Subject/Elective Subject from list 1 (depending on chosen structure)

	TEACHING PERIOD 1		TEACHING PERIOD 2	
2026	Study Period 1	EG3000:03 Introduction to Systems Engineering and Project Management *PREREQ: EG1000 and EG1002 and EG1010 and EG1011 and EG1012 and MA1000 and MA1003 and (PH1005 or EG1001) or 36 credit points*	Study Period 2	**Major** CS3008:03 Fluid Mechanics *PREREQ: MA2000 and ME2512*
	Study Period 1	**Major** EG3001:03 Finite Element Analysis *PREREQ: EG1002 and EG1011 and MA2000*	Study Period 2	**Major** ME3512:03 Heat and Mass Transfer *PREREQ: MA2000*
	Study Period 1	**Major** ME3511:03 Dynamics and Acoustics *PREREQ: MA2000 and ME2521*	Study Period 2	**Major** ME3525:03 Mechanical Design *PREREQ: ME2525*
	Study Period 1	**Major** ME3515:03 Advanced Manufacturing Engineering *PREREQ: ME2525* *Offered in even years only*	Study Period 2	Minor Subject/Elective Subject from list 1 (depending on chosen structure)

	TEACHING PERIOD 1		TEACHING PERIOD 2	
2027	Study Period 1	EG4011:03 Thesis Part 1 of 2 *PREREQ: 72 credit points in 116209*	Study Period 2	EG4012:03 Thesis Part 2 of 2 *PREREQ: EG4011*
	Study Period 1	**Major** ME4513:03 Advanced Fluid Mechanics *PREREQ: CS3008*	Study Period 2	**Major** EG4013:03 Asset Management, Maintenance and Reliability *PREREQ: (EG1000 and EG1002 and EG1010 and EG1011 and EG1012 and MA1000 and MA1003 and (PH1005 or EG1001)) or 36 credit points*
	Study Period 1	Minor Subject/Elective Subject (depending on chosen structure)	Study Period 2	**Major** ME4515:03 Advanced Mechanical Engineering Design *PREREQ: ME3525*
	Study Period 1	Minor Subject/Elective Subject (depending on chosen structure)	Study Period 2	**Major** ME4522:03 Energy, Conversion and Refrigeration *PREREQ: ME2512*

COURSE HANDBOOK

Bachelor of Engineering (Hons) Handbook
Mechanical Engineering Major