

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.

Attention International Student visa holders: To remain compliant with your enrolments requirements as a Student visa holder you are required to enrol in at least one On-Campus, Multi-Modal or WIL subject offering in each compulsory study period and you cannot enrol in more than one third (33%) of your total course load through online or distance learning. To complete your course within your CoE duration students must maintain sufficient subject enrolment.

If there are only Online subject offerings for you to select in a compulsory study period, contact enrolments@jcu.edu.au urgently for enrolment advice.

The College of Science and Engineering will be offering some subjects in Block 1 and Block 2 (see the <u>Academic Calendar</u> for Block 1 and 2 dates). International students must maintain enrolment in subjects across the whole Trimester 1 period (January – April) and can do this by enrolling in a combination of Block 1 and Block 2 subjects, and/or Trimester 1 subjects and full-time enrolment load in an academic year.

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
			EG1010:03 Process Engineering
2025			Minor Subject/Elective Subject (depending on chosen structure)



2026	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
	EG1000:03 Engineering 1	EG1011:03 Statics and Dynamics PREREQ: Allow concurrent enrolment in PH1005	EG1012:03 Electric Circuits
	EG1002:03 Computing and Sensors	MA1003:03 Mathematical Techniques PREREQ: MA1000 or MA1011 or MA1009	Minor Subject/Elective Subject (depending on chosen structure)
	MA1000:03 Mathematical Foundations	PH1005:03 Newtonian Physics	
	PREREQ: MA1020 OR MA0020 OR BR0202 OR High school subjects: Mathematical Methods or Specialist Mathematics (or equivalent such as Maths B or Maths C)	PREREQ: Maths B or MA1020 or MA0020 or MA1000 or MA1008 OR admission to 116209, 116409 or 116309. Allow concurrent for MA1000 and MA1008	

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2027	MA2000:03 Mathematics for Scientists and Engineers PREREQ: MA1003	Major CP1407:03 Introductory Machine Learning and Data Science	Major EG2008:03 Fluid Mechanics PREREQ: MA2000 and EG1011
	Major CS2001:03 Engineering Strength of Materials PREREQ: EG1011	Major EG2010:03 Materials Science and Engineering	Major ME2521:03 Dynamics of Machine Elements PREREQ: EG1011
	Minor Subject/Elective Subject (depending on chosen structure)	Minor Subject/Elective Subject (depending on chosen structure)	Major ME2525:03 Machine Element Design PREREQ: CS2001



	Vac work (Dec-Feb)	TRIMESTER 2	TRIMESTER 3
2028	Time available for work placements with engineering employers	EG4011:03 Thesis Part 1 of 2 PREREQ: 60 credit points	EG4012:03 Thesis Part 2 of 2 PREREQ: EG4011
	BLOCK 2 (Mar-Apr)		
	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 of subjects	Major ME3511:03 Dynamics and Acoustics PREREQ: MA2000 and ME2521	Major EE3600:03 Automatic Control 1 PREREQ: EG1012 and MA2000
	BLOCK 2 (Mar-Apr)	Major ME3512:03 Heat and Mass Transfer PREREQ: MA2000	Major ME3525:03 Mechanical Design PREREQ: ME2525
	Major EG3001:03 Finite Element Analysis PREREQ: EG1002 and EG1011 and MA2000		

	Vac work (Dec-Feb)	TRIMESTER 2	TRIMESTER 3
2029	Time available for work placements with engineering employers	Major ME3515:03 Advanced Manufacturing Engineering PREREQ: ME2525 and EG2010	
	BLOCK 2 (Mar-Apr)	Major	
	Major ME4513:03 Advanced Fluid Mechanics PREREQ: CS3008 OR EG2008	EG4013:03 Asset Management, Maintenance and Reliability PREREQ: Completion of 24 credit points	
	BLOCK 2 (Mar-Apr)	Major	
	Major ME4515:03 Advanced Mechanical Engineering Design PREREQ: ME3525	ME4522:03 Energy, Conversion and Refrigeration PREREQ: ME2512 or EG2008	

COURSE HANDBOOK

Bachelor of Engineering (Honours) Handbook Mechanical Engineering Major