

Master of Engineering (Professional) (Mechanical Engineering)

Useful study planning/enrolment resources:

- [Course and Subject Handbook](#)
- [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 you are receiving US Federal Aid, there are further compliance considerations. Please contact financialaid@jcu.edu.au to confirm compliance of your subject selections.

Student Resources: If you require advice about your study plan, choosing electives, or which subjects to enrol in, please contact your major advisor or degree coordinator ([CSE Course and Major Advisors](#)). For information on available elective subject options please also refer to the Study Area guide ([2026 JCU STUDY AREA GUIDE — College of Science & Engineering](#)).

Your plan may include subjects labelled with ***Intensive on-campus requirements**. These subjects involve mandatory on-campus or fieldwork attendance with extended hours over a dedicated face-to-face period. Please check the face-to-face dates for the subject in the [subject handbook](#) and do not enrol in subjects with overlapping face-to-face dates. For more information, see the CSE Student Guide to Succeeding in Trimester 2 Intensives on the CSE [Student Resources](#) webpage.

	TRIMESTER 1	TRIMESTER 2	TRIMESTER 3	
2026			EG5210:03 Risk Engineering and Systems Safety	
Major				
EE5610:03 Industrial System Automation and Control				
			Select 3 credit points of a level 3, 4 or 5, CC, CP, CS, EA, EE, EG, EV, MA, or ME subject	

		TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2027		MA5800:03 Foundations for Data Science	EG5311:03 Research Project 1 <i>PREREQ: 18 credit points of subjects within the Master of Engineering (Professional)</i>	EG5312:03 Research Project 2 <i>PREREQ: EG5311</i>
		BLOCK 2 (Mar-Apr)		
		Major ME5413:03 Advanced Analytical and Computational Fluid Mechanics	LB5205:03 People in Organisations	Major Select 3 credit points of subjects from List 1
		BLOCK 2 (Mar-Apr)		
	Major ME5415:03 Advanced Mechanical System Design	Major CL4537:03 Minerals and Solids Processing <i>PREREQ: 48 credit points toward BEngineering or admitted to MEng(Prof)</i>		

		TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
2028		EG5300:06 Engineering Practice	EG5220:03 Advanced Asset Management and Reliability	
			Major ME5315:03 Advanced Manufacturing	
			Major ME5422:03 Thermodynamics Design of Air Conditioning	

COURSE HANDBOOK

[Master of Engineering \(Professional\)](#)
[Mechanical Engineering Major](#)