

Master of Engineering (Professional) (Mechanical Engineering and Management)

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 ME5325:03 Advanced Mechanical Engineering Design and Bulk Materials Management |
| | | | 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> |
| | | Major EC5218:03 Economics and Sustainable Resource Management | LB5205:03 People in Organisations | BLOCK 6 (Nov-Dec) Major MA5840:03 Data Science and Strategic Decision Making for Business <i>PREREQ: 12 credit points of postgraduate subjects</i> <i>Online</i> |
| | | BLOCK 2 (Mar-Apr) | Major LB5247:03 Management Methods for Complex Projects <i>PREREQ: LB5403 & LB5246 or 6 credit points of equivalent subjects as approved by the course coordinator or admitted to 118304 MEng(Prof)</i> <i>Online</i> | |
| | | Major ME5415:03 Advanced Mechanical System Design | | |

| | | 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 and Management Major](#)