

# The Degree of Master of Engineering Management (MEM – 180 points)

These regulations must be read in conjunction with the General Regulations for the University.

## 1. Version

- (a) These Regulations came into force on 1 July 2025.
- (b) This degree was first offered in 1993.

## 2. Variations

In exceptional circumstances the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate may approve a personal programme of study which does not conform to these Regulations.

## 3. The structure of the qualification

To qualify for the Master of Engineering Management degree a student be credited with:

- (a) a minimum of 180 points towards the qualification; and
- (b) all courses from Schedule C to these Regulations; and
- (c) at least 15 points from the electives listed in Schedule E Group 1 or Group 2 to these Regulations. For Group 2, students must meet the respective pre-requisite course requirements for these courses normally offered under other programmes. A student may alternatively select 400-600 level courses not on Schedule E if they are approved by the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate.

## 4. Admission to the qualification

A student for the Degree of Master of Engineering Management must have:

- (a) either:
  - i. qualified for the award of the Degree of Bachelor of Engineering (Honours) in Aotearoa New Zealand with a GPA of at least 4 in 300-level and higher courses; or
  - ii. qualified for the award of the Degree of Bachelor of Science (Honours) in Aotearoa New Zealand with a GPA of at least 4 in 400-level courses; or
  - iii. completed the requirements for the Postgraduate Diploma in Engineering Management from this University, without failing any course; or
  - iv. been admitted with Academic Equivalent Standing; and
- (b) been approved as a student for the degree by the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate based on relevance and standard of previous study.

## 5. Subjects

There are no majors, minors, or endorsements for this qualification.

## 6. Time limits

The time limit for this qualification is 60 months.

## 7. Transfers of credit, substitutions and cross-credits

This qualification adheres to the General Conditions for Credit and Transfer Regulations, with the following additional stipulation:

- (a) A student who is exempt from a Schedule C course is required to substitute this with a course from Schedule E or another course approved by the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate.

## 8. Progression

This qualification adheres to the General Regulations for the University, with the following stipulations:

- (a) A student who fails up to 30 points for the qualification may, with the permission of the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate, repeat that course or courses,
- (b) A student will be withdrawn from the qualification if they fail more than 30 points.

## 9. Honours, Distinction and Merit

This qualification adheres to the General Regulations for the University and may be awarded with Distinction and Merit.

## 10. Exit and Upgrade Pathways to other Qualifications

- There is no advancing qualification for this degree.
- A student who has not met the requirements for the Master of Engineering Management or who wishes to transfer to the Postgraduate Diploma of Engineering Management may apply to the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate for admission.

## Schedule C: Compulsory courses for the Degree of Master of Engineering Management

For full course information, go to [courseinfo.canterbury.ac.nz](http://courseinfo.canterbury.ac.nz)

Course Code	Course Title	Pts	2026	Location	P/C/R/EP/EQ
ACCT601	Accounting and Financial Information	15	X2	UC Online	R: MBAZ601
			X4	UC Online	EQ: MBAZ601
EMGT602	Engineering Knowledge Management	15	NO		P: Subject to the approval of the Programme Director. R: DATA401, DATA422, DATA423, STAT448, STAT456, STAT462, STAT463 Any research methods course
EMGT604	Management in Technical Organisations	15	X3	UC Online	P: Subject to the approval of the Programme Director
			X4	UC Online	
EMGT605	Sustainability Systems in Engineering	15	X2	UC Online	P: Subject to the approval of the Programme Director
			X3	UC Online	
EMGT606	Technology Development, Application and Transfer	15	X2	UC Online	P: Subject to the approval of the Programme Director
			X	Campus	
			X4	UC Online	
EMGT610	Project Management for Engineering	20	X1	UC Online	P: Subject to the approval of the Programme Director. R: EMGT603
			X2	UC Online	
EMGT680	Engineering Management Project	45	SU2	Campus	P: MBAZ 601, MBAZ 605, EMGT 601, EMGT 602, EMGT 603, EMGT 604, EMGT 605 Subject to the approval of the Programme Director
MBAD615	Leading Ourselves	10	X9	UC Online	P: Subject to approval of the MBA Director.
			X3	UC Online	
PMGT607	Project Procurement, negotiation and contract management	15	X9	UC Online	P: Subject to approval of the Programme Director
			X4	UC Online	

## Schedule E: Elective courses for the Degree of Master of Engineering Management

### Group 1

Course Code	Course Title	Pts	2026	Location	P/C/R/RP/EQ
COSC401	Machine Learning	15	S1	Campus	P: (i) COSC367; and (ii) At least 45 points of MATH/EMTH/STAT (but not including MATH101, MATH110, EMTH117, STAT101); and (iii) Subject to approval by the Head of Department
COSC480	Computer Programming	15	X9	UC Online	P: Subject to approval of the Head of Department.
			S1	Campus	
			S2	Campus	
			X3	UC Online	
DATA415	Computational Social Choice	15	X1	UC Online	P: Subject to approval of the Head of Department of Mathematics and Statistics.
			S2	Campus	
			S2	Distance Learning	
DATA422	Data Wrangling for Data Science	15	S2	Campus	P: Subject to approval of the Head of Department of Mathematics and Statistics.
			S2	Distance Learning	
EMGT611	Risk Management Essentials	5	NO		R: ENCI601 - Risk Management
EMGT612	Risk Management Tools	5	X2	UC Online	R: ENCI601
EMGT613	Risk Communication and Reporting	5	X1	UC Online	R: ENCI601
EPEC601	Transition Principles	5	NO		P: BE(Hons) OR Approval from Head of Department R: MCEN601, EMGT607 (Special Topic offered 2022)
EPEC602	Transition Pathways	5	NO		P: EPEC601 OR Approval from Head of Department R: MCEN601, EMGT607 (Special Topic offered 2022)
EPEC603	Transition Toolkit	5	NO		P: EPEC601 AND EPEC602, OR Approval of HOD R: MCEN601, ENME405 before and including 2020, EMGT607 in 2022
EPEC604	Transition Project	5	X1	UC Online	P: EPEC601, EPEC602, and EPEC603 or HOD approval R: MCEN601, ENME405 before and including 2020, EMGT607 in 2022
EPEC605	Sustainable Transition in Action	15	NO		P: BE(Hons) or Approval from Head of Department R: EPEC601, EPEC602, EPEC603, MCEN601, EMGT607 (Special topic offered 2022)

Group 2

Course Code	Course Title	Pts	2026	Location	P/C/R/RP/EQ
COSC446	Cybersecurity Fundamentals	15	X1	UC Online	P: Approval into the Postgraduate Certificate in Cyber Security programme OR 60 points of 300-level courses from COSC/ENCE/SENG/DATA301 OR approval by Head of Department R: COSC362
			X3	UC Online	
COSC447	Computer Networks and Security	15	X1	UC Online	P: Approval into the Postgraduate Certificate in Cyber Security programme OR 60 points of 300-level courses from COSC/ENCE/SENG/DATA301 OR approval by Head of Department.
			X3	UC Online	
DATA420	Scalable Data Science	15	S1	Campus	P: Subject to approval of the Head of Department of Mathematics and Statistics.
			S1	Distance Learning	
			X2	UC Online	
			S2	Campus	
			S2	Distance Learning	
			X4	UC Online	
DIGI405	Texts, Discourses and Data	15	S1	Campus	P: Subject to approval of the Programme Coordinator.
			S1	Distance Learning	
			X3	UC Online	
			S2	Campus	
			S2	Distance Learning	
			X4	UC Online	
EMGT607	Special Topic in Engineering Management 1	15	S2	Distance Learning	P: Subject to the approval of the Programme Director
EMGT608	Special Topic in Engineering Management 2	15	W	Campus	P: Subject to the approval of the Programme Director
EMGT609	Special Topic in Engineering Management 3	15	W	Campus	P: Subject to the approval of the Programme Director
MBUS673	Innovation	15	S2	Campus	P: (1) 60 points from MBAZ, MBUS, MPAC, MBIS, MFIN; or (2) 30 points from PROD at 600-level (01 Jan 2021 - present); or (3) with approval from the Head of Department. R: MBAZ673 EQ: MBAZ673
PACE490	Professional and Community Engagement Internship	15	X3	UC Online	P: Approval of HOD and Secondary Application
STAT448	Big Data	15	X1	UC Online	P: Subject to approval of the Head of School
			S1	Campus	
			S1	Distance Learning	
			S2	Campus	
			S2	Distance Learning	
			X3	UC Online	

Qualification Regulations

STAT462	Data Mining	15	X1	UC Online	P: Subject to approval of the Head of School.
			S1	Campus	
			S1	Distance Learning	
			S2	Campus	
			S2	Distance Learning	
			X4	UC Online	