

761EM Master of Engineering Management

Year and Campus:	2016 - Parkville
CRICOS Code:	054325K
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Graduate/Postgraduate
Duration & Credit Points:	100 credit points taken over 12 months full time. This course is available as full or part time.
Coordinator:	Dr Alan J. R. Smith Email: ajrs@unimelb.edu.au
Contact:	<p>Melbourne School of Engineering</p> <p>Currently enrolled students:</p> <ul style="list-style-type: none"> # General information: https://ask.unimelb.edu.au (https://ask.unimelb.edu.au/) # Contact Stop 1 (http://students.unimelb.edu.au/stop1) <p>Future students:</p> <ul style="list-style-type: none"> # Further information: Enquiry form (http://www.eng.unimelb.edu.au/study/degrees/master-engineering-management-project/overview) # Visit Master of Engineering Management - Project overview (http://www.eng.unimelb.edu.au/study/degrees/master-engineering-management-project/overview) # Visit: Master of Engineering Management - Change overview (http://www.eng.unimelb.edu.au/study/degrees/master-engineering-management-change/overview)
Course Overview:	<p>The Master of Engineering Management has been developed in conjunction with Melbourne Business School to offer broader business study opportunities to our students, regardless of their level of work experience. Students with less than two years of work experience will choose from selected Master of Management subject offerings, while students with greater than two years of experience may undertake subjects from Melbourne Business School's prestigious MBA subject offerings.</p> <p>Graduates may then be eligible for advanced standing into the Master of Management or MBA degrees if they choose to continue their business studies.</p> <p>The Master of Engineering Management is offered in two specialisations: Project Management and Change Management.</p> <ul style="list-style-type: none"> # Project Management is for engineers to develop advanced project management skills in managerial roles. # Change Management is for engineers who are interested in fast-tracking their careers into managerial roles.
Learning Outcomes:	<p>A graduate of the program should have:</p> <ul style="list-style-type: none"> # Advanced knowledge of international social systems and the regulatory role that managers of technological enterprises play in society # Advanced working skills in the application of computers, software and new technologies relevant to management of technological enterprises # Advanced awareness of social, cultural and environmental responsibilities of managers of technological enterprises for sustainable outcomes # A sound attitude for undertaking life-long learning in technical and management fields # A well-developed capacity to engage with technical and socio-economic issues in contemporary society # A well-developed capacity to understand and participate in a multi-disciplinary and multi-cultural team environment as either a leader or a technical support specialist
Course Structure & Available Subjects:	The Master of Engineering Management is a 100 Point Program , and students will have a choice of two streams; Project Management or Change Management.

Subject Options:**Core Subjects (12.5 points)**

All students will complete the following Engineering Capstone Project (12.5 points)

Subject	Study Period Commencement:	Credit Points:
ENGM90016 Engineering Investment Strategy	Semester 2	12.5

Less than 2 years work experience Elective Subjects (37.5 points)

Students with less than two years of work experience must select **three** electives from the below list:

Subject	Study Period Commencement:	Credit Points:
MGMT90026 Supply Chain Management	Semester 1	12.5
MGMT90140 Management Competencies	January, Semester 1, Semester 2	12.5
ACCT90004 Accounting for Decision Making	Summer Term, Semester 1, Semester 2	12.5
MGMT90141 Business Analysis & Decision Making	Summer Term, Semester 1, Semester 2	12.5
FNCE90060 Financial Management	Semester 1, Semester 2	12.5
ECON90015 Managerial Economics	Semester 1, Semester 2	12.5

And the following Capstone Project (12.5 points)

Subject	Study Period Commencement:	Credit Points:
MGMT90146 Strategic Management	Summer Term, Semester 1, Semester 2	12.5

More than two years work experience Elective Subjects (37.5 points)

Students who have two or more years of work experience choose **three** electives from the following MBA subjects:

Subject	Study Period Commencement:	Credit Points:
BUSA90093 Financial Management	January, April, July	12.5
BUSA90227 Operations	January, April, September, October	12.5
BUSA90060 Data Analysis	January, April, June, July, October	12.5
BUSA90224 Managing People	January, April, September, October	12.5
BUSA90001 Financial Accounting	January, April, October	12.5
BUSA90193 Managerial Economics	January, April, July, October	12.5

And the following Capstone Project (12.5 points)

Subject	Study Period Commencement:	Credit Points:
BUSA90490 Integrative Business Capstone	February, May, August	12.5

Project Management Stream (37.5 points)

Students must complete three subjects including at least two of the following core subjects

Plus up to one subject from the Change Management stream

Subject	Study Period Commencement:	Credit Points:
CVEN90043 Sustainable Infrastructure Engineering	Semester 1	12.5
ENGM90007 Project Management Practices	Semester 1	12.5
CVEN90045 Engineering Project Implementation	Semester 2	12.5
ENGM90006 Engineering Contracts and Procurement	Semester 2	12.5
CVEN90063 Transport System Modelling	Not offered 2016	12.5

Change Management Stream (37.5 points)

Students must complete three subjects including at least two of the following core subjects

Plus up to one subject from the Project Management stream

Subject	Study Period Commencement:	Credit Points:
ENGM90015 Management and Leadership for Engineers	Semester 1	12.5
CVEN90062 Building Information Modeling	Semester 2	12.5
MCEN90023 Quality and Reliability	Semester 2	12.5
ISYS90040 Managing Change for IS Professionals	Semester 2	12.5
ENGR90026 Engineering Entrepreneurship	Semester 2	12.5

Entry Requirements:

- In order to be considered for entry, applicants must have completed:
 - either
 - a four year undergraduate degree in engineering or a cognate discipline with a weighted average mark of at least H3 (65%) average, or equivalent, or
 - an undergraduate degree in an appropriate discipline with a weighted average mark of at least H3 (65%) average, or equivalent, and at least two years documented relevant work and/or professional experience since graduation.
 Meeting these requirements does not guarantee selection.
- In ranking applications, the Selection Committee will consider:
 - prior academic performance; and where relevant
 - the professional experience.
- The Selection Committee may seek further information to clarify any aspect of an application in accordance with the Academic Board **rules (http://about.unimelb.edu.au/__data/assets/pdf_file/0007/1413727/Use-of-Selection-Instruments-Rules-of-the-Academic-Board-23-March-2015.pdf)** on the use of selection instruments
- Applicants are required to satisfy the university's English language requirements for postgraduate courses. For those applicants seeking to meet these requirements by one of the standard tests approved by the Academic Board, **performance band 6.5 (<http://about.unimelb.edu.au/academicboard/resolutions>)** is required. For more information on meeting the University's English language requirements, see: http://futurestudents.unimelb.edu.au/info/international/english_and_foundation_programs (http://futurestudents.unimelb.edu.au/info/international/english_and_foundation_programs)

Core Participation Requirements:

For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry. It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are

	encouraged to discuss this matter with a Faculty Student Adviser and the Disability Liaison Unit: http://www.services.unimelb.edu.au/disability/
Graduate Attributes:	The Melbourne School of Engineering closely maps subject level attributes and knowledge to align with the Australian Qualifications Framework (AQF), whilst also aligning with Attributes of the University of Melbourne Graduate, Engineers Australia competencies and its own School attributes.
Notes:	Recent graduates may also wish to consider the "with business" specialisations of the <u>Master of Engineering</u> (http://www.eng.unimelb.edu.au/study/degrees) .