761BU Master of Engineering Management

Year and Campus:	2014
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
Coordinator:	Dr Alan J. R. Smith ajrs@unimelb.edu.au
Contact:	Melbourne School of Engineering Ground Floor, Old Engineering (Building 173) Current students: Email: **13MELB@unimelb.edu.au (mailto:13MELB@unimelb.edu.au)** Phone: 13MELB (13 6352) +61 3 9035 5511 Prospective students: Visit **Master of Engineering Management (http://www.eng.unimelb.edu.au/study/graduate/master-management-eng.html)**
Course Overview:	The Master of Engineering Management has been designed to bridge the business knowledge gap between engineering, technology and management. It equips the engineer or scientist with the skills required at management levels of technology based enterprise. It provides the financial, investment evaluation and business skills necessary to operate in diverse areas of technology and in the rapidly expanding and changing market place. This postgraduate program will enable you to acquire an overview of the legal, commercial, marketing and human issues that a manager needs in a technical environment.
Learning Outcomes:	A graduate of the program should have: # 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.** The structure is shown (below), there are four compulsory subjects.
Subject Options:	**Core Subjects (50 points)** The following 4 subjects are course requirements:

Subject	Study Period Commencement:	Credit Points:
ENGM90010 Management of Technological Enterprises	Semester 1	12.50
ECON90015 Managerial Economics	Semester 1, Semester 2	12.50
MGMT90030 Managing Innovation and Entrepreneurship	Semester 1, Semester 2	12.50

ENGM90015 Management and Leadership for Engineers	Semester 1	12.50

Selective Subjects (50 points)

Select 4 subjects (or 3 in the case of Research Project CVEN90047) from the list.
Research subjects CVEN90022, and CVEN90047 are subject to approval of the course and subject coordinators.
NB: CVEN90022 IE Research Project 1 is of year-long duration and is generally not approved for enrolment if a
student is in their first year of study at the University of Melbourne. Students may commence in either semester
1 or semester 2 and continue in the consecutive semester.
CVEN90047 IE Research Project 2 is completed over one semester only; generally the second semester of study.
The academic record of the student and the availability of appropriate projects and supervisors will be
considered in assessing requests to do these subjects.
ISYS90036, ISYS90040 and ISYS90050 may be restricted to students with suitable backgrounds.
Subject to approval from the course coordinator one relevant subject may be taken from any other graduate
program within the University.
Note all students must meet any requisite prior to enrolling in a subject. Students may need written permission to
add subjects from other faculties.

Subject	Study Period Commencement:	Credit Points:
CVEN90022 IE Research Project 1	Semester 1, Semester 2	12.50
CVEN90047 IE Research Project 2	Semester 1, Semester 2	25
CVEN90043 Sustainable Infrastructure Engineering	Semester 1	12.50
ENGM90007 Project Management Practices	Semester 1	12.50
ENGR90021 Engineering Communication	Semester 1, Semester 2	12.50
CVEN90045 Engineering Project Implementation	Semester 2	12.50
ENEN90028 Monitoring Environmental Impacts	Semester 2	12.50
ENGM90006 Engineering Contracts and Procurement	Semester 2	12.50
ENEN90014 Sustainable Buildings	September	12.50
ENGR90026 Engineering Entrepreneurship	Semester 2	12.50
MCEN90023 Quality and Reliability	Semester 2	12.50
ISYS90036 Enterprise Systems	Semester 1	12.50
ISYS90040 Managing Change for IS Professionals	Semester 2	12.50
ISYS90050 IT Project and Change Management	Semester 1, Semester 2	12.50

Entry Requirements:

Entry Requirements

The Selection Committee will evaluate the applicant’s ability to pursue successfully the course using the following criteria:

A four year bachelors degree in an engineering or cognate discipline with at least H3 (65%) average, or equivalent; or
An undergraduate degree in an appropriate discipline with at least H3 (65%) average, or equivalent, and at least two years of documented professional work experience since graduation related to the degree

	The Selection Committee may conduct interviews and tests and may call for referee reports and employer references to elucidate any of the matters referred to above. **Language Requirements** All students studying at the University of Melbourne must satisfy the University's English language entry requirements in accordance with Selection Principles: Regulation 11.1.A2 – Admission and Selection to Courses. **http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements (http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements)** For graduate students the University's English language entry requirements are set out at:**http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements/graduate-toefl-ielts (http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements/graduate-toefl-ielts)** **The University of Melbourne English Language Bridging Program (UMELBP)** The UMELBP provides a direct English language pathway from Hawthorn-Melbourne to specific courses at the University of Melbourne. Students who have achieved an IELTS band 0.5 lower than their University of Melbourne course entry requirement may be able to proceed directly to their University studies upon successful completion of the UMELBP. More information is available from the Hawthorn Melbourne website. **http://www.hawthornenglish.com/ (http://www.hawthornenglish.com/)** The Melbourne School of Engineering's English Language alternative may affect the duration and cost of your course. **http://www.eng.unimelb.edu.au/study/english-requirements.html (http://www.eng.unimelb.edu.au/study/english-requirements.html)**
Core Participation Requirements:	For the purposes of considering request 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 Student Equity and Disability Support: http://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:	This program is one of two engineering management programs offered by the School of Engineering. You may wish to consider the other program of **Engineering Project Management (http://www.eng.unimelb.edu.au/study/graduate/master-proj-management-eng.html)**