

# 761EM Master of Engineering Management

<b>Year and Campus:</b>	2013 - Parkville											
<b>CRICOS Code:</b>	054325K											
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>											
<b>Level:</b>	Graduate/Postgraduate											
<b>Duration &amp; Credit Points:</b>	100 credit points taken over 12 months full time. This course is available as full or part time.											
<b>Coordinator:</b>	Dr Alan J. R. Smith <a href="mailto:ajrs@unimelb.edu.au">ajrs@unimelb.edu.au</a>											
<b>Contact:</b>	<p>Melbourne School of Engineering Ground Floor, Old Engineering (Building 173) Current students: Email: <a href="mailto:13MELB@unimelb.edu.au">13MELB@unimelb.edu.au</a> (<a href="mailto:13MELB@unimelb.edu.au">mailto:13MELB@unimelb.edu.au</a>) Phone: 13MELB (13 6352) +61 3 9035 5511</p> <p>Prospective students: Email: <a href="mailto:eng-info@unimelb.edu.au">eng-info@unimelb.edu.au</a> (<a href="mailto:eng-info@unimelb.edu.au">mailto:eng-info@unimelb.edu.au</a>) Phone: +61 3 8344 6944</p> <p>Visit <b>Master of Engineering Management</b> (<a href="http://www.eng.unimelb.edu.au/study/graduate/master-management-eng.html">http://www.eng.unimelb.edu.au/study/graduate/master-management-eng.html</a>)</p>											
<b>Course Overview:</b>	<p>The Master of Engineering Management has been designed to bridge the business knowledge gap between engineering, technology and management</p> <p>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</p> <p>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</p>											
<b>Objectives:</b>	<p>A graduate of the program should have:</p> <ul style="list-style-type: none"> <li># Advanced knowledge of international social systems and the regulatory role that managers of technological enterprises play in society</li> <li># Advanced working skills in the application of computers, software and new technologies relevant to management of technological enterprises</li> <li># Advanced awareness of social, cultural and environmental responsibilities of managers of technological enterprises for sustainable outcomes</li> <li># A sound attitude for undertaking life-long learning in technical and management fields</li> <li># A well developed capacity to engage with technical and socio-economic issues in contemporary society</li> <li># 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</li> </ul>											
<b>Course Structure &amp; Available Subjects:</b>	The Master of Engineering Management is a <b>100 Point Program</b> . The structure is shown (below), there are four compulsory subjects											
<b>Subject Options:</b>	<p><b>Core Subjects (50 points)</b></p> <p>The following 4 subjects are course requirements</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ENGM90010 Management of Technological Enterprises</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>MCEN90010 Finance &amp; Human Resources for Engineers</td> <td>Not offered 2013</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	ENGM90010 Management of Technological Enterprises	Semester 1	12.50	MCEN90010 Finance & Human Resources for Engineers	Not offered 2013	12.50
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ENGM90010 Management of Technological Enterprises	Semester 1	12.50										
MCEN90010 Finance & Human Resources for Engineers	Not offered 2013	12.50										

ECON90015 Managerial Economics	Not offered 2013	12.50
MGMT90030 Managing Innovation and Entrepreneurship	Semester 2	12.50

### Selective Subjects (50 points)

Select 4 subjects (or 3 in the case of the Research Project) from the list

Research subjects CVEN90022, CVEN90056 and CVEN90047 are subject to approval

NB: CVEN90022 IE Research Project 1 and CVEN90056 IE Research Project 3 are of year-long duration. 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.

*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	12.50
CVEN90047 IE Research Project 2	Not offered 2013	25
CVEN90056 IE Research Project 3	Semester 2	12.50
CVEN90043 Sustainable Infrastructure Engineering	Not offered 2013	12.50
ENGM90007 Project Management Practices	Not offered 2013	12.50
ENGR90021 Engineering Communication	Not offered 2013	12.50
CVEN90045 Engineering Project Implementation	Not offered 2013	12.50
ENEN90028 Monitoring Environmental Impacts	Not offered 2013	12.50
ENGM90006 Engineering Contracts and Procurement	Not offered 2013	12.50
ENEN90014 Sustainable Buildings	Not offered 2013	12.50
ENGR90026 Engineering Entrepreneurship	Not offered 2013	12.50
MCEN90023 Quality and Reliability	Not offered 2013	12.50

#### 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

Please check the **University English language requirements (<http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements>)**

The **Melbourne School of Engineering's English Language alternative (<http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements/graduate-toefl-ielts>)** may affect the duration and cost of your course

#### Core Participation Requirements:

<p>For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic

	<p>requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.</p> <p>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: <a href="http://services.unimelb.edu.au/disability">http://services.unimelb.edu.au/disability</a></p>
<b>Graduate Attributes:</b>	The Melbourne School of Engineering has mapped the University of Melbourne graduate attributes with Engineers Australia graduate attributes and the Melbourne School of Engineering graduate attributes
<b>Notes:</b>	This program is one of two engineering management programs offered by the School of Engineering. You may wish to consider the other program of <b>Engineering Project Management</b> ( <a href="http://www.eng.unimelb.edu.au/study/graduate/master-proj-management-eng.html">http://www.eng.unimelb.edu.au/study/graduate/master-proj-management-eng.html</a> )