

206BU Master of Environmental Engineering

Year and Campus:	2013 - Parkville																	
CRICOS Code:	051270M																	
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 Graham Moore grahamam@unimelb.edu.au																	
Contact:	<p>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: Email: eng-info@unimelb.edu.au (mailto:eng-info@unimelb.edu.au) Phone: +61 3 8344 6944 Visit Study Engineering and IT (http://www.eng.unimelb.edu.au/Postgrad/grad_mee.html?utm_source=menu)</p>																	
Course Overview:	<p>The Graduate Program in Environmental Engineering is designed to meet the theoretical and practical skills of people working in environmental control authorities in industry and elsewhere.</p> <p>The program provides participants with a broad understanding of the practice of environmental management and provides experience in investigation. Participants are able to focus on skill development in the sectors relevant to them.</p> <p>Themes covered include: water and wastewater, municipal solid wastes, cleaner production, environment management systems, water resources management, energy resources management, politics, the law and the economy.</p>																	
Objectives:	<p>On the successful completion of the Master of Environmental Engineering students should have:</p> <ul style="list-style-type: none"> # Gained advanced knowledge of the principles of environmental engineering underpinning sustainable development. # Acquired key employment skills in environmental engineering which can be applied in the fields of waste management, water resource management and energy studies. 																	
Course Structure & Available Subjects:	<p>Students must complete 100 credit points in one of three themes. The course comprises four 12.5 point core subjects, two in each of semesters one and two. Students may choose ONE theme they wish to focus on, from:</p> <ul style="list-style-type: none"> # Waste Management or # Energy or # Water Resources 																	
Subject Options:	<p>Core (50 points)</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ENEN90031 Quantitative Environmental Modelling</td> <td>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>CVEN90043 Sustainable Infrastructure Engineering</td> <td>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>ENEN90028 Monitoring Environmental Impacts</td> <td>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>ENEN90032 Environmental Analysis Tools</td> <td>Not offered 2013</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	ENEN90031 Quantitative Environmental Modelling	Not offered 2013	12.50	CVEN90043 Sustainable Infrastructure Engineering	Not offered 2013	12.50	ENEN90028 Monitoring Environmental Impacts	Not offered 2013	12.50	ENEN90032 Environmental Analysis Tools	Not offered 2013	12.50
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Waste Management Focus**Selective Subjects:** Choose 37.5 points

Research subjects are subject to approval by the course coordinator

Subject	Study Period Commencement:	Credit Points:
CVEN90022 IE Research Project 1	Semester 1	12.50
CVEN90047 IE Research Project 2	Not offered 2013	25
ENEN90006 Solid Wastes to Sustainable Resources	Not offered 2013	12.50
ENEN90029 Water and Waste Water Management	Semester 1	12.50
ENEN90005 Environmental Management ISO 14000	Not offered 2013	12.50
ENEN90030 Contaminant Hydrogeology	Not offered 2013	12.50

Energy Focus**Selective Subjects:** Choose 37.5 points

Research subjects are subject to approval by the course coordinator

Subject	Study Period Commencement:	Credit Points:
CVEN90047 IE Research Project 2	Not offered 2013	25
CVEN90022 IE Research Project 1	Semester 1	12.50
ENEN90027 Energy for Sustainable Development	Not offered 2013	12.50
ENEN90033 Solar Energy	Not offered 2013	12.50
ENEN90011 Energy Efficiency Technology	Not offered 2013	12.50
ENEN90014 Sustainable Buildings	Not offered 2013	12.50

Water Resources Focus**Selective Subjects:** Choose 37.5 points

Research subjects subject to approval by the course coordinator

Subject	Study Period Commencement:	Credit Points:
CVEN90047 IE Research Project 2	Not offered 2013	25
CVEN90022 IE Research Project 1	Semester 1	12.50
ENEN90034 Environmental Applied Hydrology	Not offered 2013	12.50
ENEN90029 Water and Waste Water Management	Semester 1	12.50
CVEN90019 Sustainable Water Resources Systems	Not offered 2013	12.50

Suggested Approved Electives

Choose 12.5 points

Subject	Study Period Commencement:	Credit Points:
ENEN90034 Environmental Applied Hydrology	Not offered 2013	12.50
GEOM90008 Foundations of Spatial Information	Not offered 2013	12.50
CVEN90019 Sustainable Water Resources Systems	Not offered 2013	12.50

	CVEN90027 Geotechnical Applications	Not offered 2013	12.50
	ENEN90030 Contaminant Hydrogeology	Not offered 2013	12.50
	ENGM90006 Engineering Contracts and Procurement	Not offered 2013	12.50
Entry Requirements:	<p>Entry Requirements</p> <ul style="list-style-type: none"> # A four year degree in an engineering discipline with at least H3 (65%) average or equivalent # An undergraduate degree in a cognate discipline with at least H3 (65%) average or equivalent and at least two years of documented relevant professional work experience <p>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</p> <p>Language Requirements</p> <p>Please check the University English language requirements (http://futurestudents.unimelb.edu.au/admissions/entry-requirements/language-requirements)</p> <p>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</p>		
Core Participation Requirements:	<p><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 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: http://services.unimelb.edu.au/disability</p></p>		
Graduate Attributes:	<p>The Melbourne School of Engineering has mapped The University of Melbourne graduate attributes with Engineers Australia graduate attributes and Melbourne School of Engineering graduate attributes and develops these attributes across the course.</p>		
Notes:	<p>The Master of Environmental Engineering is offered by the Department of Infrastructure Engineering. Features of this Department are:</p> <ul style="list-style-type: none"> # Excellent study infrastructure including dedicated computer laboratories. # Active student society for social, international and cultural exchange. # Industry involvement in many subjects. # Students with insufficient academic background for this degree may choose to take the Master of Engineering (../view/current/MC-ENG) or the Master of Environment (../view/current/441ME) 		