206EC Master of Environmental Engineering

Year and Campus:	2011 - Parkville
CRICOS Code:	032293F
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
Contact:	Melbourne School of Engineering **eng-info@unimelb.edu.au (mailto:eng-info@unimelb.edu.au)** **http://www.eng.unimelb.edu.au (http://www.eng.unimelb.edu.au)**
Course Overview:	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 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 Themes covered include: air pollution, water and wastewater, municipal solid wastes, cleaner production, environment management systems, noise, vibration, water resources management, energy resources management, and politics, the law and the economy
Objectives:	On the successful completion of the Master of Environmental Engineering should have: # gained advanced knowledge of the principles of environmental engineering underpinning sustainable development # acquired key employment skills in the environmental engineering which can be applied in the fields of waste management, water resource management and energy studies
Course Structure & Available Subjects:	Students must complete 100 credit points in one of 3 themes. The course comprises four 12.5 point core subjects, two in each of semesters 1 and 2. Students may choose ONE theme they wish to focus on from: # Waste Management or # Energy or # Water Resources For students who commenced prior to 2010. Students may complete their degree under the structure of the 2009 Handbook entry for Master of Environmental Engineering OR choose the new structure
Subject Options:	**Core (50 points)**

Subject	Study Period Commencement:	Credit Points:
CVEN90043 Sustainable Infrastructure Systems	Not offered 2011	12.50
ENEN90031 Quantitative Environmental Modelling	Not offered 2011	12.50
ENEN90028 Monitoring Environmental Impacts	Not offered 2011	12.50
ENEN90032 Environmental Analysis Tools	Not offered 2011	12.50

Waste Management Focus

Selective Subjects: Choose 37.5 points

Subject	Study Period Commencement:	Credit Points:

CVEN90047 Research Project	Not offered 2011	25
ENEN90006 Solid Wastes to Sustainable Resources	Not offered 2011	12.50
ENEN90029 Water and Waste Water Management	Not offered 2011	12.50
ENEN90005 Environmental Management ISO 14000	Not offered 2011	12.50
ENEN90030 Contaminant Hydrogeology	Not offered 2011	12.50

Energy Focus

Selective Subjects: Choose 37.5 points

Subject	Study Period Commencement:	Credit Points:
CVEN90047 Research Project	Not offered 2011	25
ENEN90027 Energy for Sustainable Development	Not offered 2011	12.50
ENEN90033 Solar Energy	Not offered 2011	12.50
ENEN90011 Energy Efficiency Technology	Not offered 2011	12.50
ENEN90014 Sustainable Buildings	Not offered 2011	12.50

Water Resources Focus

Selective Subjects: Choose 37.5 points

Subject	Study Period Commencement:	Credit Points:
CVEN90019 Sustainable Water Resources Systems	Not offered 2011	12.50
ENEN90029 Water and Waste Water Management	Not offered 2011	12.50
CVEN90047 Research Project	Not offered 2011	25
ENEN90034 Hydrological Processes	Not offered 2011	12.50

Suggested Approved Electives

Choose 12.5 points

Subject	Study Period Commencement:	Credit Points:
ENEN90034 Hydrological Processes	Not offered 2011	12.50
ENGM90004 Engineering Project Management	Not offered 2011	12.50
GEOM90008 Foundations of Spatial Information	Not offered 2011	12.50
ENEN90025 Design of Environmental Systems	Not offered 2011	12.50
CVEN90027 Geotechnical Applications	Not offered 2011	12.50
ENGM90006 Engineering Contracts and Procurement	Not offered 2011	12.50
CVEN90019 Sustainable Water Resources Systems	Not offered 2011	12.50
ENEN90030 Contaminant Hydrogeology	Not offered 2011	12.50

Entry Requirements:

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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 east two years of documented relevant professional or work experience

	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 applicants must meet the English language requirements of the University to be eligible to be offered a place Please check the **University English language requirements (http://www.futurestudents.unimelb.edu.au/int/grad/english-req)** * The Melbourne School of Engineering's English Language alternative may affect the duration and cost of your course
Core Participation Requirements:	For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for each subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
Graduate Attributes:	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
Notes:	The Master of Environmental Engineering is offered by the Department of Civil and Environmental Engineering. Features of this Department are: # 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/2011/MC-ENG)** or **Master of Environment (../../view/2011/441ME)**