206BU Master of Environmental Engineering

Year and Campus:	2010 - Parkville
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.
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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 been able to: # Gain advanced knowledge of the principles of environmental engineering underpinning sustainable development. # Acquire 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:	For students commencing in 2010. Students must complete 100 credit points in 1 of 3 themes. The course comprises of 4 12.5 core subjects. 2 in each of semesters 1 and 2. Students may choose the theme they wish to focus on. There is a choice of either: # 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 Semester 1 subjects each 12.5 credit points**

Subject	Study Period Commencement:	Credit Points:
CVEN90043 Sustainable Infrastructure Systems	Semester 1	12.50
ENEN90031 Quantitative Environmental Modelling	Semester 1	12.50

Core Semester 2 subjects each 12.5 credit points

Subject	Study Period Commencement:	Credit Points:

ENEN90028 Monitoring Environmental Impacts	Semester 2	12.50
ENEN90032 Environmental Analysis Tools	Semester 2	12.50

Waste Management Focus

Selective Subjects: 37.5 credit points

421-581 Hydrological Processes 2 is last offered in 2010. It will be replaced by 421-665 Contaminant Hydrology in 2011

Subject	Study Period Commencement:	Credit Points:
ENEN90006 Solid Wastes to Sustainable Resources	Semester 1	12.50
CVEN90014 Hydrological Processes 2	Semester 1	12.50
ENEN90029 Water and Waste Water Management	Semester 1	12.50
ENEN90005 Environmental Management ISO 14000	Semester 2	12.50
CVEN90047 Research Project	Year Long	25

Energy Focus

Selective Subjects: 37.5 credit points

Subject	Study Period Commencement:	Credit Points:
ENEN90033 Solar Energy	Semester 1	12.50
ENEN90011 Energy Efficiency Technology	Semester 2	12.50
ENEN90027 Energy for Sustainable Development	Semester 1	12.50
CVEN90047 Research Project	Year Long	25
ENEN90014 Sustainable Buildings	September	12.50

Water Resources Focus

Selective Subjects: 37.5 points

421-580 Hydrological Processes 1 is last offered in 2010. It will be replaced by 421-669 Hydrological Processes in 2011

Subject	Study Period Commencement:	Credit Points:
CVEN90019 Sustainable Water Resources Systems	July	12.50
CVEN90012 Hydrological Processes 1	Semester 1	12.50
ENEN90029 Water and Waste Water Management	Semester 1	12.50
CVEN90047 Research Project	Year Long	25

Suggested Approved Electives

As listed

Subject	Study Period Commencement:	Credit Points:
ENEN90025 Design of Environmental Systems	Semester 2	12.50
ENGM90004 Engineering Project Management	Semester 1	12.50
CVEN90027 Geotechnical Applications	Semester 2	12.50
ENGM90006 Engineering Contracts and Procurement	Semester 2	12.50

	CVEN90012 Hydrological Processes 1	Semester 1	12.50
	CVEN90014 Hydrological Processes 2	Semester 1	12.50
	CVEN90019 Sustainable Water Resources Systems	July	12.50

Entry Requirements:

Entry Requirements

A four year degree in an engineering discipline with at least H3 (65%) average, or equivalent; or
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; or

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 (course number H05) or Master of Environment (course number 441)