

Waste Management

Year and Campus:	2012								
Coordinator:	Dr Graham Moore (Engineering)								
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Overview:	<p>Waste Management is offered as a major field of study in the Master of Environment degree.</p> <p>Waste is more than just what people throw in the bin. There are air-borne emissions, liquid wastes that impact on water supplies as well as the complex waste streams produced by industry that can have toxic impacts on the environment.</p> <p>Waste Management is concerned with the management of various waste streams. We study waste avoidance and minimisation, best environmental practice and provide the tools for sound decision making at the design and implementation phases of waste management projects.</p> <p>By studying Waste Management, you'll develop theoretical and practical skills for working in environmental control authorities, industry and elsewhere. If you are a student with an undergraduate degree in another discipline, gain investigative and management skills as part of an engineering education.</p> <p>You can expect to find employment in environmental control authorities, urban and industrial workplaces, local government, education, or as a consultant.</p>								
Objectives:	<p>Students who complete the Master of Environment will have:</p> <ul style="list-style-type: none"> • An advanced understanding of environmental issues • Advanced skills and techniques applicable to changing and managing the environment • An ability to evaluate and synthesise research and professional literature in the chosen stream or focus of study • An advanced understanding of the international context and sensitivities of environmental assessment <p>The graduate attributes for the Master of Environment are:</p> <ul style="list-style-type: none"> • Expertise in multidisciplinary understanding, analysis and research with an environmental focus • Collaborative approaches to environmental problem solving • Capacity to engage in critical social and sustainability questions <p>The Master of Environment generic skills are:</p> <ul style="list-style-type: none"> • Multidisciplinary and trans-disciplinary knowledge and research of environmental relevance • Collaborative environmental management skills • Capacity for independent learning across discipline boundaries 								
Structure & Available Subjects:	<p>Students will be required to complete the two core subjects, plus choose three subjects from the compulsory subject list and undertake electives to make up the balance of the award. The selection of electives is made in consultation with the Waste Management major coordinator.</p> <p>For a current list of subjects offered in the Waste Management major, please refer to the course information page at: http://www.oep.unimelb.edu.au/currentstudents/master_of_environment/specialist_paths_of_study/waste_management (http://www.oep.unimelb.edu.au/currentstudents/master_of_environment/specialist_paths_of_study/development)</p>								
Subject Options:	<p>Core Subjects</p> <p>Students are required to complete the subjects:</p> <table border="1" data-bbox="387 1944 1485 2085"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>MULT90005 Interdisciplinarity and the Environment</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	MULT90005 Interdisciplinarity and the Environment	Semester 2	12.50
Subject	Study Period Commencement:	Credit Points:							
MULT90005 Interdisciplinarity and the Environment	Semester 2	12.50							

MULT90004 Sustainability Policy and Management	March	12.50
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Compulsory Subjects

and choose 3 subjects from the list of:

Subject	Study Period Commencement:	Credit Points:
ENEN90005 Environmental Management ISO 14000	Semester 2	12.50
ENEN90006 Solid Wastes to Sustainable Resources	Semester 1	12.50
ENEN90031 Quantitative Environmental Modelling	Semester 1	12.50
ENEN90032 Environmental Analysis Tools	Semester 2	12.50
ENEN90029 Water and Waste Water Management	Semester 1	12.50

Elective Subjects

plus undertake electives to make up the balance of the award. The recommended list of electives includes:

Subject	Study Period Commencement:	Credit Points:
ENST90002 Social Impact Assessment and Evaluation	Semester 2	12.50
ENST90017 Environmental Policy Instruments	Semester 2	12.50
EVSC90015 Environmental Impact Assessment	Semester 1	12.50
NRMT90003 Social Research Methods	Semester 1	12.50
ECON90016 Environmental Economics and Strategy	Semester 1	12.50
EVSC90010 Environmental Risk Assessment	Semester 1	12.50
CHEM90007 Environmental Chemistry	Semester 1	12.50
MAST90007 Statistics for Research Workers	June	12.50
GEOL90005 Hydrogeology	Semester 1	12.50
LAWS70068 Environmental Law	September	12.50
EVSC90014 Environmental Risk Assessment	November	12.50
ENST90006 Environmental Research Review	Semester 1, Semester 2	12.50
ENST90007 Environmental Research Topic	Semester 1, Semester 2	25
ENST90016 Environmental Research Project	Semester 1, Semester 2	50
ENST70001 Environmental Research Proj (long) MYE	Semester 1, Semester 2	25
ENST90020 Environmental Research - Industry C	Semester 2	50
ENST70002 Environmental Research - Industry D	Semester 1, Semester 2	25

Links to further information:

<http://www.environment.unimelb.edu.au/>

Notes:

Other subjects may be approved at the discretion of the coordinator.

Related Course(s):

Master of Environment
Master of Environment