

Energy Studies

Year and Campus:	2013										
Coordinator:	Dr Lu Aye (Engineering)										
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Overview:	<p>Energy Studies is offered as a major field of study in the Master of Environment degree.</p> <p>The amount of energy we consume as a global society is immediately impacted by the technologies we use to consume that energy, and how that energy is produced.</p> <p>The Energy Studies major is concerned with the theoretical and practical needs of professionals working in energy use and planning. A range of technologies, both mainstream and non-conventional, can be used for energy supply. We study these technologies and how they can be applied in energy planning and energy end use. We also examine the social and political factors influencing the acceptance of energy technologies.</p> <p>The Energy Studies major is a great way of accessing elements of an engineering education for students with an undergraduate degree in other disciplines. Graduates can expect to find employment in energy agencies, utility companies, industry, education, and consultancy.</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 Energy Studies major coordinator.</p> <p>For a current list of subjects offered in the Energy Studies major, please refer to the course information page at: http://www.oep.unimelb.edu.au/currentstudents/master_of_environment/specialist_paths_of_study/energy_studies (http://www.oep.unimelb.edu.au/currentstudents/master_of_environment/specialist_paths_of_study/energy_studies)</p>										
Subject Options:	<p>Core Subjects</p> <p>Students are required to complete the subjects:</p> <table border="1"> <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>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>MULT90004 Sustainability Policy and Management</td> <td>Not offered 2013</td> <td>12.50</td> </tr> </tbody> </table> <p>Compulsory Subjects</p>		Subject	Study Period Commencement:	Credit Points:	MULT90005 Interdisciplinarity and the Environment	Not offered 2013	12.50	MULT90004 Sustainability Policy and Management	Not offered 2013	12.50
Subject	Study Period Commencement:	Credit Points:									
MULT90005 Interdisciplinarity and the Environment	Not offered 2013	12.50									
MULT90004 Sustainability Policy and Management	Not offered 2013	12.50									

and choose 3 subjects from the list of:

Subject	Study Period Commencement:	Credit Points:
ENEN90005 Environmental Management ISO 14000	Not offered 2013	12.50
ENEN90011 Energy Efficiency Technology	Not offered 2013	12.50
ENEN90027 Energy for Sustainable Development	Not offered 2013	12.50
ENEN90033 Solar Energy	Not offered 2013	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	Not offered 2013	12.50
EVSC90015 Environmental Impact Assessment	Not offered 2013	12.50
ANTH90001 Heritage and Cultural Environments	Not offered 2013	12.50
DEVT90009 Development Theories	Not offered 2013	12.50
NRMT90003 Social Research Methods	Not offered 2013	12.50
ECON90016 Environmental Economics and Strategy	Semester 1	12.50
ENEN90014 Sustainable Buildings	Not offered 2013	12.50
EVSC90010 Environmental Risk Assessment	Not offered 2013	12.50
CHEM90007 Environmental Chemistry	Not offered 2013	12.50
MAST90007 Statistics for Research Workers	Not offered 2013	12.50
ABPL90120 Building Sustainability	Not offered 2013	12.50
LAWS70068 Environmental Law	Not offered 2013	12.50
ENEN90031 Quantitative Environmental Modelling	Not offered 2013	12.50
ENEN90032 Environmental Analysis Tools	Not offered 2013	12.50
EVSC90014 Environmental Risk Assessment	Not offered 2013	12.50
ENST90006 Environmental Research Review	Not offered 2013	12.50
ENST90007 Environmental Research Topic	Not offered 2013	25
ENST90016 Environmental Research Project	Not offered 2013	50
ENST70001 Environmental Research Proj (long) MYE	Semester 2	25
ENST90020 Environmental Research - Industry C	Not offered 2013	50
ENST70002 Environmental Research - Industry D	Not offered 2013	25
ENST90024 Environmental Research Topic (Long)	Semester 2	12.50
ENST90025 Environmental Research - Industry A	Not offered 2013	25
ENST90026 Environmental Research - Industry B	Not offered 2013	12.50

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