# Energy Studies

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| **Year and Campus:** | 2010 |
| **Coordinator:** | Dr Lu Aye |
| **Contact:** | l.aye@unimelb.edu.au |
| **Overview:** | 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.<br>The Energy Studies stream 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.<br>The Energy Studies Stream is a great way of accessing elements of an engineering education for students with an undergraduate degree in other disciplines. You can expect to find employment in energy agencies, utility companies, industry, education, and consultancy. |
| **Objectives:** | Students who complete the Master of Environment will have:<br># An advanced understanding of the ideas concerning environmental issues<br># Advanced skills and techniques applicable to changing and managing the environment<br># An ability to evaluate and synthesise research and professional literature in the chosen stream or focus of study<br># An advanced understanding of the international context and sensitivities of environmental assessment |
| **Structure & Available Subjects:** | The subjects available are listed below. |
| **Subject Options:** | **Core Subjects**<br>Students are required to complete the subjects: |

| Subject | Study Period Commencement: | Credit Points: |
|---|---|---|
| MULT90005 Trans-disciplinary thinking & learning | Semester 2 | 12.50 |
| MULT90004 Sustainability Policy and Management | March | 12.50 |

**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 |
| ENEN90011 Energy Efficiency Technology | Semester 2 | 12.50 |
| 421-711 Solar Energy | Not offered 2010 | |
| ENEN90027 Energy for Sustainable Development | Semester 1 | 12.50 |

**Elective Subjects**
Students select 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 |
| EVSC90015 Environmental Impact Assessment | Semester 1 | 12.50 |
| ANTH90001 Heritage and Cultural Environments | Semester 2 | 12.50 |

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| | DEVT90009 Understanding Development | Semester 1 | 12.50 |
| | NRMT90003 Social Research Methods | Semester 1 | 12.50 |
| | ECON90016 Environmental Economics and Strategy | Semester 1 | 12.50 |
| | CVEN90012 Hydrological Processes 1 | Semester 1 | 12.50 |
| | CVEN90014 Hydrological Processes 2 | Semester 1 | 12.50 |
| | ENEN90014 Sustainable Buildings | September | 12.50 |
| | 421-681 Management for the Environment | Not offered 2010 | |
| | POPH90142 Epidemiology & Analytic Methods 1 | March | 12.50 |
| | EVSC90010 Environmental Risk Assessment | Semester 1 | 12.50 |
| | CHEM90007 Environmental Chemistry | Semester 2 | 12.50 |
| | MAST90007 Statistics for Research Workers | February | 12.50 |
| | ABPL90120 Building Sustainability | September | 12.50 |
| | LAWS70068 Environmental Law | September | 12.50 |
| | 950-602 Introductory Environmetrics | Not offered 2010 | |
| | 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 | 50 |
| | ENEN90031 Quantitative Environmental Modelling | Semester 1 | 12.50 |
| | ENEN90032 Environmental Analysis Tools | Semester 2 | 12.50 |
| **Notes:** | Additional subjects may be approved at the discretion of the coordinator. | | |
| **Related Course(s):** | Master of Environment<br>Master of Environment | | |