# 352-EN Master of Engineering Science (Energy Studies)

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| **Year and Campus:** | 2009 |
| **Fees Information:** | Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees |
| **Level:** | Graduate/Postgraduate |
| **Duration & Credit Points:** | |
| **Coordinator:** | Dr Lu Aye Department of Civil and Environmental EngineeringTel: +61 3 8344 6879Email: lua@unimelb.edu.au |
| **Contact:** | Dr Lu Aye<br>Department of Civil and Environmental Engineering<br>Tel: +61 3 8344 6879<br>Email: lua@unimelb.edu.au |
| **Course Overview:** | The Graduate Program in Energy Studies is designed to meet the theoretical and practical needs of professionals working in the field of energy use and planning, both in government and private sectors.<br><br>The program provides participants with a broad understanding of the range of technologies, conventional and nonconventional, that can be used for energy supply. Issues of energy planning, energy end use and the non-technical factors influencing the acceptance of energy technologies can also be studied.<br><br>Themes covered in this program include: renewable energy technologies, conventional energy technologies, energy sources and resources, energy conversion and utilisation, energy from wastes, barriers to technology transfer, environmental effects of energy use and energy efficiency. |
| **Objectives:** | That a graduate of the program should:<br># acquire key employment skills in the engineering practice of energy technologies;<br># gain advanced knowledge in a chosen area of interest in energy technologies, planning and use. |
| **Course Structure & Available Subjects:** | A three-semester program on a full-time basis comprising 150 points, consisting on the core subjects required for the Master of Energy Studies with the addition of two research subjects and a corresponding reduction in the number of points available as elective subjects. |
| **Subject Options:** | Core Subjects (50points) |

| Subject | Study Period Commencement: | Credit Points: |
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| 421-616 Technology Assessment | Semester 1 | 12.500 |
| 421-642 Research Topic | Semester 1, Semester 2 | 12.500 |
| 421-644 Research Project | Semester 1, Semester 2 | 50.000 |
| 421-626 Design of Energy Systems | Semester 2 | 12.500 |
| 421-629 Energy Efficiency Technology | Semester 2 | 12.500 |

Restricted Elective Subjects
25 points from:

| Subject | Study Period Commencement: | Credit Points: |
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| 421-670 Sustainable Buildings | Semester 2 | 12.500 |
| 421-697 Heating, Ventilation and Airconditioning | Semester 1 | 12.500 |
| 421-602 Air Quality Control | Semester 1 | 12.500 |

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| | 421-711 Solar Energy | Semester 1 | 12.500 |
| | Elective Subjects<br>25 points of subjects chosen from Electives table or other subjects as are approved by the Course Coordinator.<br>See the Engineering Postgraduate handbook for electives | | |
| **Core Participation Requirements:** | For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry. It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: <a href="http://services.unimelb.edu.au/disability">http://services.unimelb.edu.au/disability</a> | | |
| **Notes:** | The final intake for this course will be Semester 2, 2009. | | |