

BOND UNIVERSITY

MASTER OF ENERGY MANAGEMENT



MASTER OF ENERGY MANAGEMENT AN OVERVIEW

Major energy companies and policy makers in Australia and abroad are facing significant challenges including surging demand for energy, managing multi-billion dollar projects and at the same time coping with environmental constraints.

Today's energy executives need a broad perspective coupled with an integrated view of the various issues and skills to be able to design appropriate actions and strategies to meet these challenges. This is the driving force behind the Master of Energy Management (MEM).

Bond University's Institute of Sustainable Development & Architecture has developed the MEM in conjunction with Faculty from the Thayer School of Engineering at Dartmouth College (USA).

As part of this program, professors from the Institute of Sustainable Development & Architecture and the Thayer School of Engineering will each deliver a number of subjects into the program. This will provide a depth of experience across many knowledge areas within energy management globally.

PROFESSIONAL OUTCOMES

The MEM equips graduates with the required skills to become the next generation of energy leaders, managers and decision makers with the necessary insight and knowledge to address the challenges in energy management that face us today and into the future.

At completion of the MEM, graduates will have a strong understanding of business engineering practice as it relates to energy management. They will have acquired skills to incorporate the broad context of energy management into future economic case studies that will be necessary under the paradigm of sustainable development (in various industries such as minerals, oil and gas, water, waste, and power generation).

PROGRAM STRUCTURE

The MEM consists of a total of 10 subjects and one capstone project.

Institute of Sustainable Development & Architecture Subjects

- Economics of Sustainable Development
- Environmental Management and Climate Change
- Project Finance and Procurement
- Project Management
- Sustainable Building Services

In addition to the above subjects, you are required to complete the following:

- One Bond elective
- Capstone Project (20 credit points)

Thayer School of Engineering Faculty subjects

- Decision Making Under Risk and Uncertainty
- Energy Conversion
- Energy Utilisation
- Industrial Ecology

The MEM will commence at Bond University in September 2013. Initial enquires can be directed to Professor George Earl, Institute Director at gearl@bond.edu.au.

www.bond.edu.au/isda



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INSTITUTE OF SUSTAINABLE
DEVELOPMENT & ARCHITECTURE