



Master of Business & Engineering Asset Management and Graduate Diploma in Business & Engineering Asset Management at UWA (2009)

Asset Management

Engineering Asset Management (EAM) is an emerging inter-disciplinary field that combines the technical issues of asset reliability, safety and performance with financial and managerial skills. The emphasis of EAM is on achieving sustainable business outcomes and competitive advantage by applying holistic, systematic and risk-based processes to decisions concerning the physical assets of an organisation. Physical assets include buildings and fixed plant, mobile equipment and civil, electrical and mechanical infrastructure.

The degree

Our postgraduate degree program is targeted at experienced engineers and managers in operational, maintenance, engineering and asset management roles. Participants engage in a balanced inter-disciplinary programme of asset management, reliability and business units with a focus on practical applications and the challenges faced by today's organisations. Emphasis is on the development of technical skills, decision-making, program implementation, change-management and communication.

Questions to consider

If you are unsure whether this program is relevant to your future development, please ask yourself the following questions.

- Are you an engineer or manager looking to further develop your technical, management and leadership skills?
- Do you wish to acquire the skills to become more involved in developing robust, business-aligned asset management plans and strategies?
- Are you involved in managing operational improvement programs?
- Do you wish to further develop your skills in risk and reliability engineering?
- Do you need to acquire the commercial acumen to more effectively communicate with senior management?

If so, then this postgraduate program will be suitable for you.

Entry requirements for Graduate Diploma and Master Degrees

Master degree: A Bachelor of Engineering degree and five years professional experience.

Graduate Diploma: (a) A Bachelor of Engineering degree or Bachelor degree in a relevant discipline from an approved institution and five years professional experience, or (b) a high level of professional experience in asset management that would permit satisfactory completion of the course.

2009 Units and course content

Graduate Diploma	Master of Business & Engineering Asset Management	
Organisational Behaviour Data Analysis & Decision Making Accounting or Managerial Finance Engineering Asset Management & Risk Asset Management Plan Reliability Engineering	Core units	Organisational Behaviour Data Analysis & Decision Making Engineering Asset Management & Risk Asset Management Plan Reliability Engineering System Reliability Modelling
	6 Elective units	Dissertation Part 1 or Parts 1 & 2, or Parts 1, 2 & 3 Accounting Managerial Finance Project Management Leading & Facilitating Teams Management of Technology & Innovation Leadership Effectiveness

The 2009 Master degree programme consists of 12 units and Graduate Diploma 6 units. Units are coordinated by the Business School (shown in blue) and the Faculty of Engineering, Computing and Mathematics (shown in tan). The estimated time frame for the Master degree for a part-time student combining study and full-time work is 2-3 years; though this may be shortened depending on credit available for prior learning. The courses are available to part-time local students. Units are scheduled to accommodate part-time study recognising the time constraints of working professionals. While the course will use the latest web-based technology to provide flexibility and support, there will be a strong emphasis on student engagement with the academics, their peers, and industry and academic guest speakers. The use of case studies and work-related assignments will ensure relevance to the work environment.

English Language requirements

Applicants must have English as their first language or must have taken an undergraduate degree delivered in English or passed IELTS at 6.5.

Fees

The anticipated cost for 2009 is A\$ 3000 per unit.

Application

The application form can be downloaded from: <http://www.studyat.uwa.edu.au/postgrad/forms/>

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