

AQF LEVEL

AQF LEVEL 9 CRITERIA –

PROGRAM LEARNING OUTCOMES

MASTERS DEGREE (COURSEWORK)

or scholarship and as a pathway for further learning.

PURPOSE

KNOWLEDGE

Graduates of a Masters Degree (Coursework) will have:

- a body of knowledge that includes the understanding of recent developments in a discipline and/or area of professional practice
- knowledge of research principles and methods applicable to a field of work and or learning

Graduates of the Master of Engineering Project Management will have:

The Masters Degree (Coursework) qualifies individuals who apply an advanced body of knowledge in a range of contexts for professional practice

- an advanced and in depth knowledge required to initiate, plan, execute, manage, monitor and evaluate the progress of, engineering projects
- knowledge to better understand the interactions among key project management knowledge areas, and their impact on the successful design and implementation of projects
- knowledge of management of resources and communication functions on projects
- knowledge of research principles and methods as applicable to the project management field.

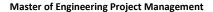
SKILLS

Graduates of a Masters Degree (Coursework) will have:

- cognitive skills to demonstrate mastery of theoretical knowledge and to reflect critically on theory and professional practice or scholarship
- cognitive, technical and creative skills to investigate, analyse and synthesise complex information, problems, concepts and theories and to apply established theories to different bodies of knowledge or practice
- cognitive, technical and creative skills to generate and evaluate complex ideas and concepts at an abstract level

Graduates of the Master of Engineering Project Management will have:

- cognitive, technical and creative skills to demonstrate mastery of theoretical knowledge required to effectively and efficiently manage engineering projects, and to reflect critically on theory and professional practice or scholarship
- cognitive and technical skills needed to investigate, critically examine and synthesise complex information, problems, concepts and theories and to apply these to current issues fundamental to contemporary project management practice
- cognitive and technical skills to generate and evaluate on complex ideas and concepts, associated with project management applications, at an abstract level
- communication skills needed to justify and interpret theoretical propositions, methodologies, conclusions and professional decisions, both verbally and in a variety of written forms, to specialist and non-specialist audiences
- technical and communication skills to design, evaluate, implement, analyse and theorise about developments that contribute to professional practice or scholarship related to managing





- communication and technical research skills to justify and interpret theoretical propositions, methodologies, conclusions and professional decisions to specialist and non-specialist audiences
- technical and communication skills to design, evaluate, implement, analyse and theorise about developments that contribute to professional practice or scholarship

engineering projects.

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APPLICATION OF KNOWLEDGE & SKILLS

Graduates of a Masters Degree (Coursework) will demonstrate the application of knowledge & skills:

- with creativity and initiative to new situations in professional practice and/or for further learning
- with high level personal autonomy and accountability
- to plan and execute a substantial research-based project, capstone experience and/or piece of scholarship

Graduates of the Master of Engineering Project Management will demonstrate the application of knowledge and skills:

- with creativity and initiative to new situations in professional practice and/or for further learning within the engineering project management field
- with high level personal autonomy and accountability
- to plan and execute a substantial research-based project, capstone experience and/or piece of scholarship
- demonstrating adherence to the principles of the Project Management Code of Ethics and Professional Conduct
- applying knowledge and tools to manage simple as well as complex engineering projects
- developing competencies in determination, integration and management of communication and documentation needs over project life
- developing, planning and executing projects in an integrated fashion
- developing project time and cost plans, and other complementary plans such as risk and safety management systems, internal quality assurance procedures needed over project life
- managing and leading multi-disciplinary project teams
- planning and executing a substantial research-based project.