

AQF LEVEL	AQF LEVEL 9 CRITERIA – MASTERS DEGREE (COURSEWORK)		PROGRAM LEARNING OUTCOMES
PURPOSE	The Masters Degree (Coursework) qualifies individuals who apply an advanced body of knowledge in a range of contexts for professional practice or scholarship and as a pathway for further learning.		
KNOWLEDGE	Graduates of a Masters Degree (Coursework) will have: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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 	

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| <ul style="list-style-type: none">▪ 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.