

AQF LEVEL	AQF LEVEL 8 CRITERIA – GRADUATE DIPLOMA	PROGRAM LEARNING OUTCOMES
<b>PURPOSE</b>	The Graduate Diploma qualifies individuals who apply a body of knowledge in a range of contexts to undertake professional/highly skilled work and as a pathway for further learning.	
<b>KNOWLEDGE</b>	Graduates of a Graduate Diploma will have specialised knowledge within a systematic and coherent body of knowledge that may include the acquisition and application of knowledge and skills in a new or existing discipline or professional area	Graduates of the Graduate Certificate in Research Studies in Engineering will have advanced theoretical and specialist knowledge in the principals and methods that underpin research within the discipline, equipping students with the research training and skills for further learning.
<b>SKILLS</b>	<p>Graduates of a Graduate Diploma will have:</p> <ul style="list-style-type: none"> <li>cognitive skills to review, analyse, consolidate and synthesise knowledge and identify and provide solutions to complex problems</li> <li>cognitive skills to think critically and to generate and evaluate complex ideas</li> <li>specialised technical and creative skills in a field of highly skilled and/or professional practice</li> <li>communication skills to demonstrate an understanding of theoretical concepts</li> <li>communication skills to transfer complex knowledge and ideas to a variety of audiences</li> </ul>	<p>Graduates of the Graduate Certificate in Research Studies in Engineering will have:</p> <ul style="list-style-type: none"> <li>cognitive skills to demonstrate mastery of theoretical knowledge and to reflect critically on theory and its application</li> <li>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</li> <li>communication and technical research skills to justify and interpret theoretical propositions, methodologies, conclusions and professional decisions to specialist and non-specialist audiences</li> <li>technical and communication skills to design, evaluate, implement, analyse and theorise and disseminate research that makes a contribution to knowledge.</li> <li>high proficiency of persuasive written and oral communication in an organisational context catering for a variety of audiences</li> <li>an ability to identify, understand and appreciate the challenges associated with the implementation of sustainable and ethical behaviour and research practices.</li> </ul>

**APPLICATION OF  
KNOWLEDGE &  
SKILLS**

Graduates of a Graduate Diploma will demonstrate the application of knowledge and skills:

- to make high level, independent judgements in a range of technical or management functions in varied specialised contexts
- to initiate, plan, implement and evaluate broad functions within varied specialised technical and/or creative contexts
- with responsibility and accountability for personal outputs and all aspects of the work or function of others within broad parameters

Graduates of the Graduate Certificate in Research Studies in Engineering will demonstrate the application of knowledge and skills:

- with creativity and initiative to new situations and/or for further learning (production of a research dissertation)
- with high level personal autonomy and accountability
- to make high level, independent judgements in a range of research related problems and questions
- to research and apply appropriate theories, models and tools for critically analysing and interpreting the relevant discipline specific environment.
- to critically assess, interpret and develop innovative approaches to the solving of research problems/questions to suit different contexts
- to reflect on performance feedback to identify and action learning and self-improvement opportunities.