

AQF LEVEL	AQF LEVEL 8 CRITERIA – GRADUATE CERTIFICATE	PROGRAM LEARNING OUTCOMES
PURPOSE	The Graduate Certificate 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.	
KNOWLEDGE	Graduates of a Graduate Certificate 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 Civil Engineering will have specialised knowledge of Civil Engineering and the acquisition and application of this knowledge in the industry.
SKILLS	<p>Graduates of a Graduate Certificate will have:</p> <ul style="list-style-type: none"> • cognitive skills to review, analyse, consolidate and synthesise knowledge and identify and provide solutions to complex problems • cognitive skills to think critically and to generate and evaluate complex ideas • specialised technical and creative skills in a field of highly skilled and/or professional practice • communication skills to demonstrate an understanding of theoretical concepts • communication skills to transfer complex knowledge and ideas to a variety of audiences 	<p>Graduates of the Graduate Certificate in Civil Engineering will have:</p> <ul style="list-style-type: none"> • specialised technical and creative skills in civil engineering to practice effectively in industry • cognitive skills to conduct experiments, analyse data and formulate engineering solutions to complex problems • cognitive skills to critically evaluate and generate complex civil engineering proposals • function and communicate complex knowledge theoretical concepts and ideas effectively.

**APPLICATION OF
KNOWLEDGE &
SKILLS**

Graduates of a Graduate Certificate 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 Civil Engineering will demonstrate the ability to apply their knowledge and skills in:

- identifying, formulating and solving complex engineering problems in different civil engineering specialisations
- evaluating civil engineering designs and technical functions in different areas of specialisations
- initiating, planning and monitoring the progress of construction project plans
- identifying professional responsibility and accountability to plan and implement, as a part of a professional team practical solutions to civil engineering problems.