

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 Graduate Certificate in Data Science will have a broad and coherent body of knowledge in the areas of data science. They will have a deep understanding in the underlying principles and concepts so as to apply them to solve real-world and research problems.
SKILLS	Graduates of a Graduate Certificate will have: <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 	Graduates of Graduate Certificate in Data Science will have: <ul style="list-style-type: none"> • cognitive skills to review critically, analyse, consolidate, and synthesise knowledge in the area of data science • specialised technical and creative skills in the area of data science • communication skills to transfer complex knowledge and ideas to a variety of audiences

**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 Graduate Certificate in Data Science will be able to:

- make high level, independent judgements in a range of technical functions in data science
- demonstrate the application of knowledge and skills with initiative and judgment in planning, problem solving and decision making in professional practice including analysis, design, implementation of data science
- apply skills and knowledge to a broad range of real-world problems
- demonstrate the responsibility and accountability for own learning and professional practice and in collaboration with others