

GRADUATE CERTIFICATE OF ARTIFICIAL INTELLIGENCE (C4008) – 2025

Completing in 1 semester

First Semester	FIT5147 Fundamentals of artificial intelligence	Artificial intelligence unit*	Artificial intelligence unit*	Artificial intelligence unit*
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Completing in 2 semesters

First Semester	FIT5145 Introduction to data science	Artificial intelligence unit*
Second Semester	Artificial intelligence unit*	Artificial intelligence unit*

Data Science Units (units not offered in 2022 not included):

Three units (18 points) from*:

- FIT5057 Project management
- FIT5125 IT research methods
- FIT5201 Machine learning
- FIT5215 Deep learning
- FIT5216 Modelling discrete optimisation problems
- FIT5217 Natural language processing
- FIT5221 Intelligent image and video analysis
- FIT5222 Planning and automated reasoning
- FIT5226 Multi agent systems and collective behaviour
- FIT5230 Malicious AI
- FIT9132 Introduction to databases
- FIT9136 Introduction to Python programming
- FIT9137 Introduction to computer architecture and networks
- MAT9004 Mathematical foundations for data science and AI

*you can complete either three Level 5 units or one Level 9 unit and two Level 5 units.

Notes

Credit points	Unless specified, all units are worth 6 credit points Graduate Certificate of Data Science: 4 units x 6cp = Total of 24 credit points
Year Level Requirements	1) A maximum of 6 points of level 9 (foundation) units will be counted; 2) At least 18 points must be completed at level 5.
Unit requisites	All pre-requisite and co-requisite requirements must be undertaken in order to be able to enrol into a specific unit
Duration of degree	0.5 years full-time, 1 year part-time
Time limit	Time limit = 3 years. Students have three years in which to complete this award from the time they commence. Periods of intermission are counted as part of the six years.
Monash University handbook	Students should follow the course requirements for the year the course was commenced: https://handbook.monash.edu/