

# GRADUATE CERTIFICATE OF DATA SCIENCE (C4004) – 2025

## Completing in 1 semester

<b>First Semester</b>	<b>FIT5145</b> Introduction to data science	<b>FIT5196</b> Data wrangling	<b>FIT5197</b> Statistical data modelling	<b>Data Science unit *</b>
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## Completing in 2 semesters

<b>First Semester</b>	<b>FIT5145</b> Introduction to data science	<b>FIT5197</b> Statistical data modelling
<b>Second Semester</b>	<b>FIT5196</b> Data wrangling	<b>Data Science unit **</b>

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

One unit (6 points) from:

- FIT5125 IT research methods
- FIT5147 Data exploration and visualisation
- FIT5149 Applied data analysis
- FIT5201 Machine learning
- FIT5202 Data processing for big data
- FIT5212 Data analysis for semi-structured data
- FIT9132 Introduction to databases
- FIT9136 Introduction to Python programming
- FIT9137 Introduction to computer architecture and networks
- MAT9004 Mathematical foundations for data science
- BMS5021 Introduction to bioinformatics

### Notes

<b>Credit points</b>	Unless specified, all units are worth 6 credit points Graduate Certificate of Data Science: 4 units x 6cp = Total of 24 credit points
<b>Year Level Requirements</b>	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.
<b>Unit requisites</b>	All pre-requisite and co-requisite requirements must be undertaken in order to be able to enrol into a specific unit
<b>Duration of degree</b>	0.5 years full-time, 1 year part-time
<b>Time limit</b>	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.
<b>Monash University handbook</b>	Students should follow the course requirements for the year the course was commenced: <a href="https://handbook.monash.edu/">https://handbook.monash.edu/</a>