

Course progression map for 2024 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It does not substitute for the list of required units as described in the course 'Requirements' section of the Handbook.

S2010 Bachelor of Applied Data Science

This outline is a guide only. The placement of units may be rearranged to provide flexibility in choice of elective units. The complete course requirements are specified in the University Handbook.

February Intake

YEAR 1

Sem 1, 2024	ADS1001 Data challenges 1	MAT1830 Discrete mathematics for computer science	ENG1090 Foundation mathematics	Applied studies
Sem 2, 2024	ADS1002 Data challenges 2	FIT1045 Introduction to programming	ENG1005 Engineering mathematics	Applied studies

YEAR 2

Sem 1, 2025	ADS2001 Data challenges 3	FIT1008 Fundamentals of Algorithms	MTH2019 Multivariate mathematics for data science	Applied studies
Sem 2, 2025	ADS2002 Data challenges 4	FIT2086 Modelling for data analysis	MTH2051 Introduction to computational mathematics	Applied studies

YEAR 3

Sem 1, 2026	MTH3320 Computational linear algebra	MTH3330 Optimisation and operations research	FIT3152 Data analytics	Free elective
Sem 2, 2026	ADS 3001 Advanced data challenges		FIT3181 Deep Learning	Free elective

[Applied studies](#) offered at Monash University Malaysia (select one):

- Biological science and genetics
- Chemical sciences
- Environmental science
- Introduction to biotechnology
- Introduction to food and nutrition
- Introduction to forensic genetics
- Introduction to health and human physiology

Part A	Data challenges
Part B.1	Techniques for data science – Information technology
Part B.2	Techniques for data science – Mathematical Science units
Part C	Applied studies
Part D	Elective

Source: Monash University 2024 Handbook- [Bachelor of Applied Data Science](#)

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