MONASH University

Course progression map for 2026 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

Note: *Students undertaking their studies at the Clayton campus, please follow this map.*

Year 1 Semester 1	ADS1001 Data challenges 1	FIT1045 Introduction to programming	MTH1020* Analysis of change or MAT1830* Discrete mathematics for computer science	Applied studies
Year 1 Semester 2	ADS1002 Data challenges 2	FIT1043 Introduction to data science	MTH1030 Techniques for modelling	Applied studies
Year 2 Semester 1	ADS2001 Data challenges 3	FIT2094 Databases	MTH2019 Multivariate mathematics for data science	Applied studies
Year 2 Semester 2	ADS2002 Data challenges 4	FIT2086 Modelling for data analysis	MTH2051 Introduction to computational mathematics	Applied studies
Year 3 Semester 1	MTH3320 Computational linear algebra	MTH3330 Optimisation and operations research	Free elective	Free elective
Year 3 Semester 2	ADS3001 Advanced data challenges (12 points)		FIT3181 Deep learning	FIT3154 Advanced data analysis (Sem 2)

A	Data challenges
B	Techniques for data science
C	Applied studies
D	Free elective

*Students who have completed VCE Specialist Mathematics 3/4 with a raw study score of at least 30 (or equivalent) should take MAT1830 in Year 1, Semester 1. All other students should take MTH1020.

Source: *Monash University 2026 Handbook – https://www.monash.edu/students/handbooks/maps/2026/map-s2010.pdf*
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S2010 Bachelor of Applied Data Science

Note: *Students undertaking their studies at the Malaysia campus commencing in February, please follow this map:*

Year 1 Semester 1	ADS1001 Data challenges 1	FIT1045 Introduction to programming	ENG1090 Foundation mathematics	Applied studies
Year 1 Semester 2	ADS1002 Data challenges 2	FIT1043 Introduction to data science	ENG1005 Engineering mathematics	Applied studies
Year 2 Semester 1	ADS2001 Data challenges 3	FIT2094 Databases	MTH2019 Multivariate mathematics for data science	Applied studies
Year 2 Semester 2	ADS2002 Data challenges 4	FIT2086 Modelling for data analysis	MTH2051 Introduction to computational mathematics	Applied studies
Year 3 Semester 1	MTH3320 Computational linear algebra	MTH3330 Optimisation and operations research	Free elective	Free elective
Year 3 Semester 2	ADS3001 Advanced data challenges (12 points)		FIT3181 Deep learning	FIT3154 Advanced data analysis

A	Data challenges
B	Techniques for data science
C	Applied studies
D	Free elective

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Course progression map for 2026 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

Note: *Students undertaking their studies at the Malaysia campus commencing in July/October, please follow this map.*

Year 1 Semester 2	FIT1045 Introduction to programming	ENG1090 Foundation mathematics	Free elective	Applied studies
Year 2 Semester 1	ADS1001 Data challenges 1	FIT1043 Introduction to data science	ENG1005 Engineering mathematics	Applied studies
Year 2 Semester 2	ADS1002 Data challenges 2	FIT2086 Modelling for data analysis	Free elective	Applied studies
Year 3 Semester 1	ADS2001 Data challenges 3	FIT2094 Databases	MTH2019 Multivariate mathematics for data science	Applied studies
Year 3 Semester 2	ADS2002 Data challenges 4	FIT3181 Deep learning	MTH2051 Introduction to computational mathematics	FIT3154 Advanced data analysis
Year 4 Semester 1	ADS3001 Advanced data challenges (12 points)		MTH3320 Computational linear algebra	MTH3330 Optimisation and operations research

A	Data challenges
B	Techniques for data science
C	Applied studies
D	Free elective

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