

Bachelor of Information Technology (C2000) – 2027 (March intake)

Major: Data science

Year 1	First Semester	FIT1045 Software development 1: programming foundations	FIT1047 Computing systems 1: foundations and operations	FIT1062 Data management	Major unit 1 OR FIT1063 Topics in computing OR MTH1010+ Functions and their applications OR Elective
	Second Semester	MAT1830 Discrete mathematics for computer science	MAT1003 Mathematics for algorithms and models	FIT2132 Reasoning with data	Elective
Year 2	First Semester	FIT2119 Computing in practice: professional practice	FIT2086 Predictive modelling and machine learning	FIT2179 Data visualisation	Elective
	Second Semester	FIT2130* Computing in practice: project practices and management	FIT3154 Learning from complex data	Elective	Elective
Year 3	First Semester	FIT3222* Computing in practice: project 1	Approved data science level 3 elective**	Elective	Elective
	Second Semester	FIT3223* Computing in practice: project 2	Approved data science level 3 elective**	Elective	Elective

+Note

If you have not completed Units 3 and 4 VCE Mathematics methods (or equivalent), you need to complete MTH1010 before proceeding with this major

** Approved Electives (choose 2)

ADS3001 Advanced data challenges
ETC3450 Applied time series econometrics
ETC3460 Financial econometrics
ETC3550 Applied forecasting
ETC3580 Advanced statistical modelling
ETF3231 Business forecasting
FIT3182 Big data management and processing
FIT3003 Business intelligence and data warehousing
FIT3233 Optimisation and reinforcement learning
FIT3191 Generative artificial intelligence
MTH3330 Optimisation and operations research

* Industry Based Learning (IBL)

- Students accepted into the IBL program will replace FIT2130, FIT3222 and FIT3223 with FIT3045 Industry based learning (18 points).
- IBL placements will normally be completed in semester 2 of second year or semester 1 of third year.
- Students completing an IBL placement must overload in one semester OR complete a summer unit to complete the course in 3 years