

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

Major: Artificial intelligence algorithms and models

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	MAT1003 Mathematics for algorithms and models	FIT1061 AI algorithm foundations	FIT2132 Reasoning with data	Elective
Year 2	First Semester	FIT2119 Computing in practice: professional practice	FIT2111 Symbolic artificial intelligence and machine learning	Elective	Elective
	Second Semester	FIT2130* Computing in practice: project practices and management	FIT2112 Deep learning	Elective	Elective
Year 3	First Semester	FIT3222* Computing in practice: project 1	Approved AI algorithms and models elective**	Approved AI algorithms and models elective**	Elective
	Second Semester	FIT3223* Computing in practice: project 2	Approved AI algorithms and models elective**	Elective	Elective

+Note

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

** Approved Electives (choose 1)

FIT3191 Generative artificial intelligence
 FIT3192 Emerging and advanced topics in artificial intelligence
 FIT3203 Embodied artificial intelligence
 FIT3233 Optimisation and reinforcement Learning

* 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