

Bachelor of Artificial Intelligence (C2005) – 2027 (March intake)

Specialisation: Artificial intelligence algorithms and models

Year 1	First Semester	FIT1045 Software development 1: programming foundations	FIT1047 Computing systems 1: foundations and operations	FIT1059 Artificial intelligence: concepts and tools for impact	MTH1010+ Functions and their applications or MAT1003 Mathematics for algorithms and models
	Second Semester	FIT1066 Responsible use of data in the age of AI	FIT1061 AI algorithm foundations	FIT2132 Reasoning with data	MTH1010+ Functions and their applications or MAT1003 Mathematics for algorithms and models or Elective
Year 2	First Semester	FIT2119 Computing in practice: professional practice	FIT2111 Symbolic artificial intelligence and machine learning	FIT2115 Data structures and algorithms 1	Elective
	Second Semester	FIT2130* Computing in practice: project practices and management	FIT2112 Deep learning	Elective	Elective
Year 3	First Semester	FIT3208* Artificial intelligence in practice: project 1	Approved artificial intelligence elective**	Elective	Elective
	Second Semester	FIT3209* Artificial intelligence in practice: project 2	Approved artificial intelligence elective**	Elective	Elective

+Note

Students who have not completed units 3 and 4 VCE Mathematics methods (or equivalent) need to complete MTH1010 in place of one free elective

** 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, FIT3208 and FIT3209 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