

Bachelor of Artificial Intelligence and Bachelor of Design (C2007) – 2027 Specialisation: Artificial intelligence algorithms and models - March intake

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	DWG1201 Drawing: Introduction & OHS1000 Introduction to art and design health and safety (0 pts)	
	Second Semester	FIT1066 Responsible use of data in the age of AI	FIT1061 AI algorithm foundations	TDN1002 Design and the avant-garde	BLK1000 Indigenous Australian creative practice and ways of knowing	MTH1010+ Functions and their applications
Year 2	First Semester	MAT1003 Mathematics for algorithms and models	DGN1000 Design studio 1 (12 pts)		TDN2001 Sociologies of design	
	Second Semester	FIT2132 Reasoning with data	FIT2115 Data structures and algorithms 1	CDS1002 Communication design studio 2 or IDN1002 Industrial design studio 2 or SDN1002 Spatial design studio 2 (12 pts)		
Year 3	First Semester	FIT2119 Computing in practice: professional practice	FIT2111 Symbolic artificial intelligence and machine learning	CDS2001 Communication design studio 3 or IDN2001 Industrial design studio 3 or SDN2001 Spatial design studio 3 (12 pts)		
	Second Semester	FIT2130* Computing in practice: project practices and management	FIT2112 Deep learning	CDS3001 Communication design studio 4 or IDN3001 Industrial design studio 4 or SDN3001 Spatial design studio 4 (12 pts) or DGN3000 Global design studio (12 pts) ^		
Year 4	First Semester	FIT3208* Artificial intelligence in practice: project 1	Approved AI algorithms and models elective**	Approved AI algorithms and models elective**	TDN3001 Research for design	
	Second Semester	FIT3209* Artificial intelligence in practice: project 2	CDS3002 Communication design studio 5 or IDN3002 Industrial design studio 5 or SDN3002 Spatial design studio 5 (12 pts) or DGN3000 Global design studio (12 pts) ^		TDN3002 Design strategy and professional practice	

+Note

For the **AI algorithms and models specialisation ONLY**: Students who have not completed units 3 and 4 VCE Mathematics methods (or equivalent) need to complete MTH1010 and overload in the course by 6 points. This unit is not required for the Applied AI specialisation.

** 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

Bachelor of Artificial Intelligence and Bachelor and Bachelor of Design (C2007) – 2027

Specialisation: Applied Artificial intelligence - March intake

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	DWG1201 Drawing: Introduction & OHS1000 Introduction to art and design health and safety (0 pts)	MTH1010+ Functions and their applications
	Second Semester	FIT1066 Responsible use of data in the age of AI	FIT2131 Practical artificial intelligence application and development	TDN1002 Design and the avant-garde	BLK1000 Indigenous Australian creative practice and ways of knowing	
Year 2	First Semester	FIT2116 Artificial intelligence applications in context	DGN1000 Design studio 1 (12 pts)		TDN2001 Sociologies of design	
	Second Semester	FIT1056 Making with artificial intelligence: software in the AI era	FIT3226 Agentic and distributed AI: multi-agent systems, swarms and artificial life	CDS1002 Communication design studio 2or IDN1002 Industrial design studio 2 or SDN1002 Spatial design studio 2 (12 pts)		
Year 3	First Semester	FIT2119 Computing in practice: professional practice	FIT2118 Artificial intelligence futures: research directions, drivers and dangers	CDS2001 Communication design studio 3 or IDN2001 Industrial design studio 3 or SDN2001 Spatial design studio 3 (12 pts)		
	Second Semester	FIT2130* Computing in practice: project practices and management	FIT3206 Conversation for artificial intelligence	CDS3001 Communication design studio 4 or IDN3001 Industrial design studio 4 or SDN3001 Spatial design studio 4 (12 pts) or DGN3000 Global design studio (12 pts) ^		
Year 4	First Semester	FIT3208* Artificial intelligence in practice: project 1	FIT3205 Applied computer vision	FIT3207 Computing in practice: leadership and influence	TDN3001 Research for design	
	Second Semester	FIT3209* Artificial intelligence in practice: project 2	CDS3002 Communication design studio 5 or IDN3002 Industrial design studio 5 or SDN3002 Spatial design studio 5 (12 pts) or DGN3000 Global design studio (12 pts) ^		TDN3002 Design strategy and professional practice	

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