

Bachelor of Agentic Software Engineering (C2012) – 2027

March intake

Year 1	First Semester	FIT1045 Software development 1: programming foundations	FIT1047 Computing systems 1: foundations and operations	FIT1056 Making with artificial intelligence: software in the AI era	Elective
	Second Semester	FIT1061 AI algorithm foundations	FIT2115 Data structures and algorithms 1	FIT2133 Software development 2: object and data modelling	Elective
Year 2	First Semester	FIT2119 Computing in practice: professional practice	FIT2173 Software security OR FIT2175 User interface design OR FIT3077 Software architecture and design	Elective	Elective
	Second Semester	FIT2130* Computing in practice: project practices and management	FIT2121 System architecture and integration	FIT2107 Verification and validation	Elective
Year 3	First Semester	FIT3227* Agentic software engineering in practice: project 1	FIT3224 Engineering agentic systems	Elective	Elective
	Second Semester	FIT3228* Agentic software engineering in practice: project 2	FIT3184 Cloud computing	FIT3225 Agentic systems safety, assurance and governance	Elective

* Industry Based Learning (IBL)

- Students accepted into the IBL program will replace FIT2130, FIT3227 and FIT3228 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