

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

Major: Agentic software engineering

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	FIT1056 Making with artificial intelligence: software in the AI era	FIT2133 Software development 2: object and data modelling	Elective	Elective
Year 2	First Semester	FIT2119 Computing in practice: professional practice	FIT2173 Software security OR FIT2115 Data structures and algorithms 1	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	FIT3222* Computing in practice: project 1	Agentic Software Engineering elective**	FIT3224 Engineering agentic systems	Elective
	Second Semester	FIT3223* Computing in practice: project 2	Agentic Software Engineering elective**	Elective	Elective

+Note

If you're considering a major that requires VCE Mathematics Methods (Units 3 and 4) as a prerequisite, and you haven't completed this subject in year 12, you should enrol in MTH1010 before starting your major.

** Approved Electives (choose 1)

FIT3077 Software architecture and design (S1)
FIT3225 Agentic systems safety, assurance and governance (S2)
FIT3184 Cloud computing (S2)

* 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