

Bachelor of Agentic Software Engineering (Honours) (C3003) – 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	FIT2175 User interface design	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	FIT3077 Software architecture and design	Elective
	Second Semester	FIT3228* Agentic software engineering in practice: project 2	FIT3184 Cloud computing	FIT3225 Agentic systems safety, assurance and governance	Elective
Year 4	First Semester	FIT4045 Computing research project 1 OR FIT4048 Computing in practice - advanced project 1	FIT4044 Specification-driven agentic software engineering	FIT5125 IT research and innovation methods	Elective
	Second Semester	FIT4046 Computing research project 2 OR FIT4049 Computing in practice -advanced project 2	FIT4043 Advanced topics in SE: Engineering AI-based systems	FIT level 3, 4 or 5 elective	Elective
* Industry Based Learning (IBL)					
- Students accepted into the IBL program will replace FIT2130, FIT3227 and FIT3228 with FIT3045 Industry based learning (18 points). - Students completing an IBL placement must overload in one semester OR complete a summer unit to complete the course in 3 years					