

Bachelor of Computer Science (C2001) – 2027

Specialisation: Algorithms and software

March intake

Year 1	First Semester	FIT1045 Software development 1: programming foundations	FIT1047 Computing systems 1: foundations and operations	MAT1830 Discrete mathematics for computer science	MAT1003 Mathematics for algorithms and models
	Second Semester	FIT1062 Data management	FIT2115 Data structures and algorithms 1	FIT2102 Programming paradigms	Elective
Year 2	First Semester	FIT2119 Computing in practice: professional practice	FIT2134 Computing systems 2: architecture and operating systems	Elective	Elective
	Second Semester	FIT2130* Computing in practice: project practices and management	FIT3234 Data structures and algorithms 2	Elective	Elective
Year 3	First Semester	FIT3230* Computer science in practice: project 1	FIT3235 Theory of computation 1: models of computation	Elective	Elective
	Second Semester	FIT3231* Computer science in practice: project 2	FIT3143 High performance parallel and distributed computing	FIT3232 Compiler engineering	Elective

* Industry Based Learning (IBL)

- Students accepted into the IBL program will replace FIT2130, FIT3230 and FIT3231 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