

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

Major: Computer science

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	MAT1830 Discrete mathematics for computer science	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	FIT3222* Computing in practice: project 1	FIT3235 Theory of computation 1: models of computation	Elective	Elective
	Second Semester	FIT3223* Computing in practice: project 2	Approved computer science level 3 or 4 elective**	Approved computer science level 3 or 4 elective**	Elective

+Note

Students who have not completed Units 3 and 4 VCE Mathematics methods (or equivalent) need to complete MTH1010 before proceeding with this major

** Approved Electives (choose 2)

FIT3232 Compiler engineering
 FIT3236 Theory of computation 2: Complexity and Intractability
 FIT3143 High performance parallel and distributed computing
 FIT4050 Knowledge representation, computational logic, and automated reasoning
 FIT4051 Advanced algorithms and data structures

* 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