

Course progression map for 2025 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It does not substitute for the list of required units as described in the course 'Requirements' section of the [Handbook](#).

C2003 Bachelor of Information Technology and Bachelor of Science

Software development and Biochemistry

	Bachelor of Information Technology		Bachelor of Science	
YEAR 1 Sem 1	FIT1045 Introduction to programming	FIT1050 Web fundamentals	BIO1011 Blueprints for life	CHM1011 Chemistry 1
YEAR 1 Sem 2	FIT1047 Introduction to computer systems, networks and security	FIT1051 Programming fundamentals in java	BIO1022 Life on Earth	CHM1022 Chemistry 2
YEAR 2 Sem 1	FIT1049 IT professional practice	FIT2081 Mobile application development	BCH2011 Structure and function of cellular biomolecules	SCI1000 Science communication to influence change (Can be taken in either semester one or two)
YEAR 2 Sem 2	FIT2094 Databases	FIT2175 Usability	BCH2022 Metabolic basis of human diseases	One of SCI1020, STA1010, MTH1020, MTH1030 or MTH1035 (or level one Science elective if already taken as part of another sequence)**
YEAR 3 Sem 1	FIT2001 Systems development	FIT3178 iOs app development	BCH3021 Cellular organisation: Organelle structure and function in health and disease	Science elective level 2 or 3
YEAR 3 Sem 2	FIT2002 IT project management	FIT2104 Web database interface	BCH3042 Cell signal transduction: Role in cancer and human disease	Science elective level 2 or 3
YEAR 4 Sem 1	FIT3047* Industry experience studio project 1	FIT3077 Software engineering: architecture and design	BCH3031 Functional genomics and molecular medicine	Science elective level 2 or 3
YEAR 4 Sem 2	FIT3048* Industry experience studio project 2	FIT3184 Cloud computing	BCH3052 Protein biology: From sequence to structure and disease	Science elective level 2 or 3

*Industry Based Learning (IBL) – Information Technology

- Students accepted into the IBL program completing the Business information systems major will replace FIT3047 and FIT3048 and FIT3138 with FIT3045 Industry based learning (18 points).
- IBL placements will normally be completed in semester 2 of third year or semester 1 of fourth year.
- Students completing an IBL placement must overload in one semester OR complete a summer unit in order to complete the course in 4 years.

**There are a range of first year mathematics units available. Please refer to the [level one science unit guide](#) for additional information.