

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

Applied cybersecurity and Astrophysics*

	Bachelor of Information Technology		Bachelor of Science	
YEAR 1 Sem 1	FIT1047 Introduction to computer systems, networks and security	FIT1057 Introduction to cyber security	PHS1011 Classical physics and relativity	MTH1020 Analysis of change
YEAR 1 Sem 2	FIT1045 Introduction to programming	FIT1093 Cybersecurity tools and techniques	PHS1022 Fields and quantum physics	MTH1030 Techniques for modelling
YEAR 2 Sem 1	FIT1049 IT professional practice	FIT2173 Software security	ASP2011 Astronomy	MTH2010 Multivariable calculus
YEAR 2 Sem 2	FIT2094 Databases	FIT2100 Operating systems	ASP2062 Introduction to astrophysics	MTH2032 Differential equations with modelling
YEAR 3 Sem 1	FIT2001 Systems development	FIT2165 Computer networks	ASP3051 Relativity and cosmology	SCI1000 Science communication to influence change (Can be taken in either semester one or two)
YEAR 3 Sem 2	FIT2002 IT project management	FIT3168 IT forensics	ASP3012 Stars and galaxies	Science elective level 2 or 3
YEAR 4 Sem 1	FIT3047** Industry experience studio project 1	FIT3186 Vulnerability analysis, response and mitigation	ASP3231 Observational astronomy	Science elective level 2 or 3
YEAR 4 Sem 2	FIT3048** Industry experience studio project 2	FIT3031** Network security	PHS3350 - Physics and astronomy research project 1	Science elective level 2 or 3

*Astrophysics major, mapping for students who have completed Year 12 VCE equivalent Maths Methods and Physics.

**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.