

Bachelor of Computer Science (C2001) – 2026

Cybersecurity specialisation

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|--------|-----------------|--|---|--|----------|
| Year 1 | First Semester | FIT1045 Introduction to programming | FIT1047 Introduction to computer systems, networks and security | FIT1058 Foundations of computing | Elective |
| | Second Semester | FIT1008 Fundamentals of algorithms | FIT1049 IT professional practice OR FIT1055 IT professional practices and ethics | FIT1093 Cybersecurity tools and techniques | Elective |
| Year 2 | First Semester | FIT2004 Algorithms and data structures | FIT1057 Introduction to cybersecurity | FIT2173 Software security | Elective |
| | Second Semester | FIT2014 Theory of computation | FIT2094 Databases | Elective | Elective |
| Year 3 | First Semester | FIT3188* Cybersecurity project 1 | FIT3185 Privacy enhancing technologies | Level 3* Cybersecurity Approved Elective** | Elective |
| | Second Semester | FIT3189* Cybersecurity project 2 | FIT3186 Vulnerability analysis, response and mitigation | Elective | Elective |

**Approved Cybersecurity Electives (choose 1)

FIT3031 Network security
FIT3168 IT forensics
FIT3184 Cloud computing

Note that not all units will be taught in every year and some will be offered only in alternate years.

* Industry Based Learning (IBL)

- Students accepted into the IBL program will replace FIT3188, FIT3189 and the Level 3 Cybersecurity Approved Elective with FIT3045 Industry based learning (18 points).
- IBL placements will normally be completed in semester 2 of second year for BCS Cybersecurity students.
- Students completing an IBL placement must overload in one semester OR complete a summer unit to complete the course in 3 years.

Notes

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| Credit points | Unless specified, all units are worth 6 credit points Bachelor of Computer Science in Cybersecurity 24 units x 6 credit points = Total of 144 credit points |
| Year Level Requirements | 1) Normally 48 points, and a maximum of 60 points, of first year level units will be counted; 2) At least 36 points must be completed at third year level. |
| Unit requisites | All pre-requisite and co-requisite requirements must be undertaken in order to be able to enrol into a specific unit |
| Duration of degree | 3 years full-time, 6 years part-time |
| Time limit | Time limit = 8 years. Students have eight years in which to complete this award from the time they commence first year. Periods of intermission are counted as part of the eight years. |
| Monash University handbook | Students should follow the course requirements for the year the course was commenced https://handbook.monash.edu/browse/By%20Faculty/FacultyofInformationTechnology |