

# Bachelor of Computer Science Advanced (Honours) (C3001) – 2026

## Cybersecurity specialisation

Year 1	First Semester	<b>FIT1053</b> Introduction to programming (advanced)	<b>FIT1047</b> Introduction to computer systems, networks and security	<b>FIT1058</b> Foundations of computing	<b>Elective</b>
	Second Semester	<b>FIT1054</b> Fundamentals of algorithms (advanced)	<b>FIT1049</b> IT professional practice	<b>FIT1093</b> Cybersecurity tools and techniques	<b>Elective</b>
Year 2	First Semester	<b>FIT2004</b> Algorithms and data structures	<b>FIT1057</b> Introduction to cybersecurity	<b>FIT2173</b> Software security	<b>FIT2083</b> Innovation and research in computer science
	Second Semester	<b>FIT2014</b> Theory of computation	<b>FIT2094</b> Databases	<b>Elective</b>	<b>FIT2082</b> Computer science research project
Year 3	First Semester	<b>FIT3188*</b> Cybersecurity project 1	<b>FIT3185</b> Privacy enhancing technologies	<b>Level 3*</b> Cybersecurity Approved Elective**	<b>Elective</b>
	Second Semester	<b>FIT3189*</b> Cybersecurity project 2	<b>FIT3186</b> Vulnerability analysis, response and mitigation	<b>Elective</b>	<b>Elective</b>
Year 4	First Semester	<b>FIT4441</b> Honours thesis – part 1	<b>FIT4442</b> Honours thesis – part 2	<b>Level 4/5</b> Computer science approved elective	<b>Elective</b>
	Second Semester	<b>FIT4443</b> Honours thesis – part 3	<b>FIT4444</b> Honours thesis – final	<b>Level 4/5</b> Computer science approved elective	<b>Elective</b>

### \*\*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 Advanced Honours students.
- Students completing an IBL placement must overload in one semester OR complete a summer unit to complete the course in 3 years.

### Notes

<b>Credit points</b>	Unless specified, all units are worth 6 credit points Bachelor of Computer Science Advanced (Honours) 32 units x 6 credit points = Total of 192 credit points
<b>Year Level Requirements</b>	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.
<b>Unit requisites</b>	All pre-requisite and co-requisite requirements must be undertaken to be able to enrol into a specific unit
<b>Duration of degree</b>	4 years full-time, 8 years part-time
<b>Time limit</b>	Time limit = 10 years. Students have ten years in which to complete this award from the time they commence first year. Periods of intermission are counted as part of the ten years.
<b>Monash University handbook</b>	Students should follow the course requirements for the year the course was commenced <a href="https://handbook.monash.edu/browse/By%20Faculty/FacultyofInformationTechnology">https://handbook.monash.edu/browse/By%20Faculty/FacultyofInformationTechnology</a>