

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

Artificial intelligence specialisation

Year 1	First semester	FIT1053 Introduction to programming (advanced) Replace with: FIT1045 Software development 1: Programming foundations	FIT1047 Introduction to computer systems, networks and security	FIT1058 Foundations of computing Replace with: MAT1830 Discrete mathematics for computer science	Elective
	Second Semester	FIT1054 Fundamentals of algorithms (advanced) Replace with: FIT2115 Data structures and algorithms 1	FIT1049 IT professional practice	FIT1061 Introduction to artificial intelligence	Elective
Year 2	First Semester	FIT2004 Algorithms and data structures Replace with: FIT3234 Data structures and algorithms 2	FIT2094 Databases	FIT2111 Symbolic artificial intelligence and machine learning	FIT2083 Innovation and research in computer science
	Second Semester	FIT2014 Theory of computation	Elective	FIT2112 Deep learning	FIT2082 Computer science research project
Year 3	First Semester	FIT3193* Artificial intelligence project 1 Replace with: FIT3230 Computer science in practice: project 1	FIT3191 Generative artificial intelligence	FIT3192* Emerging and advanced topics in artificial intelligence	Elective
	Second Semester	FIT3194* Artificial intelligence project 2 Replace with: FIT3231 Computer science in practice: project 2	FIT3203 Intelligent agents	Elective	Elective
Year 4	First Semester	FIT4441 Honours thesis – part 1	FIT4442 Honours thesis – part 2	Level 4/5 Computer science approved elective	Elective
	Second Semester	FIT4443 Honours thesis – part 3	FIT4444 Honours thesis – final	Level 4/5 Computer science approved elective	Elective

* Industry Based Learning (IBL)

- Students accepted into the IBL program will replace FIT3193, FIT3194 and FIT3192 with FIT3045 Industry based learning (18 points).
- IBL placements will normally be completed in semester 1 of third 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

Credit points	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
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	4 years full-time, 8 years part-time
Time limit	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.
Monash University handbook	Students should follow the course requirements for the year the course was commenced https://handbook.monash.edu/browse/By%20Faculty/FacultyofInformationTechnology