

Bachelor of Computer Science (C2001) – 2026

Artificial intelligence specialisation

Year 1	First Semester	FIT1045 Introduction to programming	FIT1047 Introduction to computer systems, networks and security	FIT1058 Foundations of computing Replace with: MAT1830 Discrete mathematics for computer science	Elective
	Second Semester	FIT1008 Fundamentals of algorithms Replace with: FIT2115 Data structures and algorithms 1	FIT1049 IT professional practice OR FIT1055+ IT professional practices and ethics	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	Elective
	Second Semester	FIT2014 Theory of computation	FIT2112 Deep learning	Elective	Elective
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 OR FIT3183+ Malicious AI and dark side security	Elective
	Second Semester	FIT3194 * Artificial intelligence project 2 Replace with: FIT3231 Computer science in practice: project 2	FIT3203 Intelligent agents	Elective	Elective

+ These units are only available in Malaysia. Clayton students need to complete FIT1049 and FIT3192.

* 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 AI 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 in Artificial intelligence: 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 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