

# BACHELOR OF COMPUTER SCIENCE IN ARTIFICIAL INTELLIGENCE(C2001) – 2026

## (Specialisation : Artificial Intelligence)

### Year 1 / Level 1 (48 credit points)

February Semester	<b>FIT1045</b> Introduction to programming	<b>FIT1047</b> Introduction to computer systems, networks and security	<b>FIT1058</b> Foundations of computing	Elective
July Semester	<b>FIT1008</b> Fundamentals of algorithms [FIT1045 & (FIT1058 or MAT1830)]	<b>FIT1055</b> IT professional practice and ethics [12 pts FIT study]	<b>FIT1061</b> Introduction to artificial intelligence [FIT1045]	Elective

### Year 2 / Level 2 (48 credit points)

February Semester	<b>FIT2004</b> Algorithms and data structures [FIT1008 & (MAT1830 or FIT1058)]	<b>FIT2094</b> Databases [FIT1045 or FIT1051]	<b>FIT2111</b> Symbolic artificial intelligence and machine learning [FIT1008, FIT1061]	Elective
July Semester	<b>FIT2014</b> Theory of computation [FIT1008 & (FIT1058 or MAT1830)]	<b>FIT2112</b> Deep learning [FIT1008, FIT1061]	Elective	Elective

Summer Semester

**FIT3199** Industry work experience  
(0 credit points)

[Completed a minimum of 96 credit points including including 66 credit points of FIT units and FIT1055]

### Year 3 / Level 3 (48 credit points)

February Semester	<b>FIT3193</b> Artificial Intelligence project 1 [FIT1055, FIT2004, FIT2094, FIT2111]	<b>FIT3191</b> Generative artificial intelligence [FIT2004, FIT2112]	Elective	Elective
July Semester	<b>FIT3194</b> Artificial Intelligence project 2 [FIT3193]	<b>FIT3203</b> Intelligent agents [FIT2004, FIT2111]	<b>Level 3</b> Artificial Intelligence Approved Elective*	<b>Level 3 Elective</b>

#### **Important:**

- *Co-requisites and Pre-requisites units are subject to change. Please refer to the relevant [Monash unit handbook](#) or the most up-to-date information.*
- *Students must also complete all [General Studies](#) requirements as part of their degree.*

#### **List of elective units offered at the School of Information Technology, Monash University Malaysia.**

The following electives are offered at both the Australia and Malaysia campuses. If you intend to apply for the [global intercampus program](#), please refer to the [course handbook](#) for electives which are offered specifically at the Australia campus. In addition to the minimum one level 3 artificial intelligence approved electives, you can utilize the elective slots in the course map to enrol for additional level 3 artificial intelligence electives.

Apart from the listed electives below, you may opt to enrol for electives offered by other courses at Monash University, provided that you fulfil the unit prerequisites.

#### **Level 1 Electives**

FIT1043 Introduction to data science  
FIT1051 Programming fundamentals in JAVA  
FIT1056 Introduction to software engineering

#### **Level 2 Electives**

FIT2081 Mobile application development  
FIT2093 Cybersecurity tools and techniques  
FIT2099 Object oriented design and implementation  
FIT2100 Operating systems  
FIT2101 Software engineering process & management  
FIT2102 Programming paradigms  
FIT2107 Software quality and testing  
FIT2109 Computer science workshop  
FIT2179 Data visualisation

#### **\*Level 3 Artificial Intelligence Approved Electives**

FIT3183 Malicious AI and dark side security  
FIT3192 Emerging and advanced topics in artificial intelligence

#### **Level 3 Electives**

FIT3003 Business intelligence and data warehousing  
FIT3077 Software engineering: Architecture and design  
FIT3080 Artificial intelligence  
FIT3134 Entrepreneurship  
FIT3143 Parallel computing  
FIT3152 Data analytics  
FIT3154 Advanced data analysis  
FIT3155 Advanced data structures and algorithms  
FIT3159 Computer architecture  
FIT3175 Usability

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*(Specialisation : Artificial Intelligence)*

## Additional Notes

<b>Credit points</b>	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
<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>	3 years full-time
<b>Course duration</b>	You have a maximum of 8 years to complete this course including any periods of intermission and suspension and must be continuously enrolled throughout.
<b>Monash University handbook</b>	Students should follow the course requirements for the year the course was commenced <a href="https://www.monash.edu/students/handbooks/faculty-info/undergrad/it">https://www.monash.edu/students/handbooks/faculty-info/undergrad/it</a>

***While the information provided here was correct at the time of viewing and/or printing, you should carefully read all official correspondence and other sources of information for students to stay informed about any changes.***

***The placement and offering of units may be rearranged or revised based on school resources or faculty planning.***

***If you opt for an overseas exchange program, you may need to either overload a semester, undertake a summer unit or extend an additional semester in order to complete your course. Please consult the course coordinator.***