

Master of Artificial Intelligence (C6007) – 2025

Industry experience stream – March intake

Year 1 (48 credit points)

First Semester	FIT9132 Introduction to databases	FIT9136 Introduction to Python programming	FIT9137 Introduction to computer architecture and networks	MAT9004 Mathematical foundations for data science and AI
Second Semester	FIT5047 Fundamentals of artificial intelligence	FIT5125 IT research and innovation methods	FIT5215 Deep learning	FIT5057 Project management

Year 2 (48 credit points)

First Semester	FIT5201 Machine learning	FIT5222 Planning and automated reasoning	FIT5217 Natural language processing OR FIT5221 Intelligent image and video analysis OR FIT5216 Modelling discrete optimisation problems	Level 5 Elective
Second Semester	FIT5120 Industry experience project (12 points)	FIT5122 IT professional practice	FIT5226 Multi agent systems and collective behaviour	

Research stream – March intake

Year 1 (48 credit points)

First Semester	FIT9132 Introduction to databases	FIT9136 Introduction to Python programming	FIT9137 Introduction to computer architecture and networks	MAT9004 Mathematical foundations for data science and AI
Second Semester	FIT5047 Fundamentals of artificial intelligence	FIT5125 IT research and innovation methods	FIT5215 Deep learning	FIT5057 Project management

Year 2 (48 credit points)

First Semester	FIT5126 Masters thesis part 1	FIT5201 Machine learning	FIT5222 Planning and automated reasoning	FIT5217 Natural language processing OR FIT5221 Intelligent image and video analysis OR FIT5216 Modelling discrete optimisation problems
Second Semester	FIT5127 Masters thesis part 2	FIT5128 Masters thesis final	FIT5122 IT professional practice	FIT5226 Multi agent systems and collective behaviour

	FOUNDATION	CORE MASTER'S STUDIES	ADVANCED PRACTICE
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** Research stream requirements

- To be eligible for the research stream, students must have successfully completed 24 points of level five (non-foundation) FIT units and achieved an overall average of at least 75 per cent across all these units and achieved an overall course average of 65%.
- Applications for the Research stream must be submitted by 31 January (for S1 thesis start) or 30 June (for S2 thesis start). Students will be notified when applications open for each intake.
- Research stream information and application: <https://www.monash.edu/it/current-students/enrolment/honours-and-minor-thesis>

Industry experience stream – July intake

Year 1 (24 credit points)

Second Semester	FIT9132 Introduction to databases	FIT9136 Introduction to Python programming	FIT9137 Introduction to computer architecture and networks	MAT9004 Mathematical foundations for data science and AI
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Year 2 (48 credit points)

First Semester	FIT5047 Fundamentals of artificial intelligence	FIT5125 IT research and innovation methods	FIT5222 Planning and automated reasoning	FIT5057 Project management
Second Semester	FIT5201 Machine learning	FIT5215 Deep learning	FIT5226 Multi agent systems and collective behaviour	FIT5217 Natural language processing OR FIT5221 Intelligent image and video analysis OR FIT5216 Modelling discrete optimisation problems

Year 3 (24 credit points)

First Semester	FIT5120 Industry experience project (12 points)	FIT5122 IT professional practice	Level 5 Elective
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Research stream – July intake

Year 1 (24 credit points)

Second Semester	FIT9132 Introduction to databases	FIT9136 Introduction to Python programming	FIT9137 Introduction to computer architecture and networks	MAT9004 Mathematical foundations for data science and AI
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Year 2 (48 credit points)

First Semester	FIT5047 Fundamentals of artificial intelligence	FIT5125 IT research and innovation methods	FIT5057 Project management	FIT5222 Planning and automated reasoning
Second Semester	FIT5126 Masters thesis part 1	FIT5201 Machine learning	FIT5215 Deep learning	FIT5226 Multi agent systems and collective behaviour

Year 3 (24 credit points)

First Semester	FIT5127 Masters thesis part 2	FIT5128 Masters thesis final	FIT5122 IT professional practice	FIT5217 Natural language processing OR FIT5221 Intelligent image and video analysis OR FIT5216 Modelling discrete optimisation problems]
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Notes

Credit points	Unless specified, all units are worth 6 credit points Master of Artificial Intelligence: 16 units x 6cp = Total of 96 credit points
Year Level Requirements	1) A maximum of 24 points of level 9 (foundation) units will be counted; 2) At least 72 points must be completed at level 5.
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	2 years full-time, 4 years part-time
Time limit	Time limit = 6 years. Students have six years in which to complete this award from the time they commence. Periods of intermission are counted as part of the six 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