

MASTER OF ARTIFICIAL INTELLIGENCE (C6007) – 2020

Industry Experience Stream

Year 1 (48 credit points)

First Semester	FIT5047 Fundamentals of artificial intelligence	FIT5125 IT research methods	FIT5197 Statistical data modelling	Artificial Intelligence core unit
Second Semester	Artificial Intelligence core unit	Artificial Intelligence core unit	Artificial Intelligence core unit	Artificial Intelligence core unit

Year 2 (48 credit points)

First Semester	FIT5120 Industry experience project (12 points) [Refer to handbook]	FIT5122 IT professional practice [Co-requisite: FIT5120]	Level 5 FIT Elective
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Research Stream

Year 1 (48 credit points)

First Semester	FIT5047 Fundamentals of artificial intelligence	FIT5125 IT research methods	FIT5197 Statistical data modelling	Artificial Intelligence core unit
Second Semester	FIT5126 Masters thesis part 1 [Refer to handbook]	Artificial Intelligence core unit	Artificial Intelligence core unit	Artificial Intelligence core unit

Year 2 (48 credit points)

First Semester	FIT5127 Masters thesis part 2 [FIT5126, Co-requisite: FIT5128]	FIT5128 Masters thesis final [FIT5126, Co-requisite: FIT5127]	Level 5 FIT Elective	Artificial Intelligence core unit
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CORE MASTER'S STUDIES	ADVANCED PRACTICE
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Artificial Intelligence core units:

FIT5201 Machine learning	FIT5219 Advanced learning and cognitive systems
FIT5215 Deep learning	FIT5220 Solving discrete optimisation problems
FIT5216 Modelling discrete optimisation problems	FIT5221 Intelligent image and video analysis
FIT5217 Natural language processing	FIT5222 Planning and automated reasoning
FIT5218 Human-centric AI	

Notes

Credit points	Unless specified, all units are worth 6 credit points Master of Artificial Intelligence 12 units x 6cp = Total of 96 credit points
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	1.5 years full-time, 3 years part-time
Time limit	Time limit = 5 years. Students have six 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 http://monash.edu/pubs/2020handbooks/courses/index-byfaculty-it.html