Master of Data Science (C6004) – 2024 (with Foundation units)

Industry experience stream – February Intake [2 Years]

Year 1 (48 credit points)

February Semester (S1)	**FIT9132** (S1) Introduction to databases	**FIT9136** (S1, S2) Algorithms and programming foundations in Python	**FIT5125** (S1, S2) IT research methods	**MAT9004** (S1, S2) Mathematical foundations for data science and AI
July Semester (S2)	**FIT5145** (S1, S2) Foundation of data science [FIT9136]	**FIT9137** (S2) Introduction to computer architecture and networks	**FIT5196** (S2) Data wrangling [FIT9136]	**FIT5057** (S1, S2) Project management

Year 2 (48 credit points)

February Semester (S1)	**FIT5202** (S1) Data processing for big data [FIT5145]	**FIT5147** (S1) Data exploration and visualisation	**FIT5197** (S1) Statistical data modelling [FIT9136 and MAT9004]	**Data Science elective unit**
July Semester (S2)	**FIT5120** (S1, S2) Industry experience project (12 points) [Completion of 72 points, Co-requisite: FIT5122]		**FIT5122** (S1, S2) IT professional practice [Co-requisite: FIT5120 or FIT5127]	**Level 5 Elective**

**Research stream – February intake [2 Years]

Year 1 (48 credit points)

February Semester (S1)	**FIT9132** (S1) Introduction to databases	**FIT9136** (S1, S2) Algorithms and programming foundations in Python	**FIT5125** (S1, S2) IT research methods	**MAT9004** (S1, S2) Mathematical foundations for data science and AI
July Semester (S2)	**FIT5145** (S1, S2) Foundation of data science [FIT9136]	**FIT9137** (S2) Introduction to computer architecture and networks	**FIT5196** (S2) Data wrangling [FIT9136]	**FIT5057** (S1, S2) Project management

Year 2 (48 credit points)

February Semester (S1)	**FIT5126** (S1, S2) Masters thesis part 1 [FIT5125, Co-requisite: FIT5127]	**FIT5202** (S1) Data processing for big data [FIT5145]	**FIT5147** (S1) Data exploration and visualisation	**FIT5197** (S1) Statistical data modelling [FIT9136 and MAT9004]
July Semester (S2)	**FIT5127** (S1, S2) Masters thesis part 2 [Co-requisite: FIT5126]	**FIT5128** (S1, S2) Masters thesis final [FIT5126; Co-requisite: FIT5127]	**FIT5122** (S1, S2) IT professional practice [Co-requisite: FIT5120 or FIT5127]	**Data Science elective unit**

	FOUNDATION		CORE MASTER'S STUDIES		ADVANCED PRACTICE

** 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.
- 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.

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

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.