

C6009 Master of Data Science (Indonesia) – January 2026 cohort, 96cp Full Time Study – Suggested course map

Industry Experience stream

Year 1 MI-T1-6 2026 (Jan to Mar)	ITI9132 Introduction to databases	ITI9136 Introduction to Python programming
Year 1 MI-T2-6 2026 (Apr to Jul)	ITI9137 Introduction to computer architecture and networks	ITI9004 Mathematical foundations for data science and AI
Year 1 MI-T3-6 2026 (Jul to Sep)	ITI5197 Statistical data modelling (Pre: ITI9136 & ITI9004)	ITI5147 Data exploration and visualisation
Year 1 MI-T4-6 2026 (Sep - Dec)	ITI5125 IT research methods	ITI5145 Introduction to data science (Pre: ITI9136)
Year 2 MI-T1-6 2027 (Jan to Apr)	ITI5196 Data wrangling (Pre: ITI9136)	ITI5057 Project Management
Year 2 MI-T2-6 2027 (Apr to Jun)	*MDS Elective Unit	*MDS or MI Level 5 Elective Unit or MON5750
Year 2 MI-T3-6 2027 (Jul - Sep)	ITI5120 Industry Experience Studio Project 1 (6 points)	ITI5122 Professional practice
Year 2 MI-T4-6 2027 (Sep to Dec)	ITI5121 Industry Experience Studio Project 2 (6 points)	ITI5202 Data processing for big data (Pre: ITI9132 & ITI9136)

Notes 1 : Entry Level 2

If you are admitted at entry level 2 you complete 72 credit points, comprising Part B and Part C.

Notes 2 : Participation in Global Intercampus program

If participating in the Global Intercampus program, you will replace ITI5120 and ITI5121 with FIT5120 Industry Experience Studio Project (12 points); ITI5122 with FIT5122 Professional practice; and ITI5202 with FIT5202 Data processing for big data respectively at the Monash Australia campus.

Notes 3 : *Elective Unit

Choose 6 points from MDS Elective Units and 6 points from other elective units. Please refer to the unit's handbook entry for information.

MDS Elective Units (Pre ITI5197)

1. ITI5149 Applied data analysis
2. ITI5212 Data Analysis for Semi-structured Data
3. ITI5201 Machine learning

Other Elective Units

4. MON5750 Monash Innovation Guarantee
5. MI Level 5 Elective Unit

A	Foundation studies
B	Core studies
C	Applied studies

Note: While the unit offering information is correct at the time of publication, changes may occur.

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Minor Thesis stream*

Year 1 MI-T1-6 2026 (Jan to Mar)	ITI9132 Introduction to databases	ITI9136 Introduction to Python programming
Year 1 MI-T2-6 2026 (Apr to Jul)	ITI9137 Introduction to computer architecture and networks	ITI9004 Mathematical foundations for data science and AI
Year 1 MI-T3-6 2026 (Jul to Sep)	ITI5197 Statistical data modelling (Pre: ITI9136 & ITI9004)	ITI5147 Data exploration and visualisation
Year 1 MI-T4-6 2026 (Sep - Dec)	ITI5125 IT research methods	ITI5145 Introduction to data science (Pre: ITI9136)
Year 2 MI-T1-6 2027 (Jan to Apr)	ITI5196 Data wrangling (Pre: ITI9136)	ITI5057 Project Management
Year 2 MI-T2-6 2027 (Apr to Jun)	ITI5126 Masters thesis part 1	*MDS Elective Unit
Year 2 MI-T3-6 2027 (Jul - Sep)	ITI5127 Masters thesis part 2	ITI5122 Professional practice
Year 2 MI-T4-6 2027 (Sep to Dec)	ITI5128 Masters thesis final	ITI5202 Data processing for big data (Pre: ITI9132 & ITI9136)

Notes 1 : Entry Level 2

If you are admitted at entry level 2 you complete 72 credit points, comprising Part B and Part C.

Notes 2 : *Elective Unit

Choose 6 points from the list below. Please refer to the unit's handbook entry for information.

MDS Elective Units (Pre ITI5197)

1. ITI5149 Applied data analysis
2. ITI5212 Data Analysis for Semi-structured Data
3. ITI5201 Machine learning

*Enrolment in the research units is dependent on available supervisors and projects. Eligible students will be ranked based on their entire academic record and assessed for suitability to undertake the research component of this program. To be eligible for the research option, you must have successfully completed 24 points of level 5 ITI-coded units and have achieved an overall average of at least 75% across all completed ITI-coded level 5 units and have achieved at least a distinction (70%) in ITI5125 IT research methods.

A	Foundation studies
B	Core studies
C	Applied studies

Note: While the unit offering information is correct at the time of publication, changes may occur.