

C6009 Master of Data Science (Indonesia) – 2026 – Suggested course map

Industry Experience pathway

Year 1 Term 1 (Oct to Nov)	ITI9132 Introduction to databases	ITI9136 Introduction to Python programming
Year 1 Term 2 (Jan to Feb)	ITI9137 Introduction to computer architecture and networks	ITI9004 Mathematical foundations for data science and AI
Year 1 Term 3 (May to June)	ITI5125 IT research methods	ITI5147 Data exploration and visualisation
Year 1 Term 4 (July to Sept)	ITI5145 Introduction to data science (Pre: ITI9136)	ITI5197 Statistical data modelling (Pre: ITI9136 & ITI9004)
Year 2 Term 1 (Oct to Nov)	ITI5196 Data wrangling (Pre: ITI9136)	ITI5057 Project Management
Year 2 Term 2 (Jan to Feb)	ITI5122 Professional practice	ITI5129 Cyber operations - FIT Level 5 unit
Year 2 Term 3 (May to June)	ITI5120 Social impact project (12 points)	
Year 2 Term 4 (July to Sept)	ITI5149 Applied data analysis – MDS Electives (Pre: ITI5197)	ITI5202 Data processing for big data (Pre: ITI9132 & ITI9136)

A	Foundation studies
B	Core studies
C	Applied studies

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Research pathway*

Year 1 Term 1 (Oct to Nov)	ITI9132 Introduction to databases	ITI9136 Introduction to Python programming
Year 1 Term 2 (Jan to Feb)	ITI9137 Introduction to computer architecture and networks	ITI9004 Mathematical foundations for data science and AI
Year 1 Term 3 (May to June)	ITI5125 IT research methods	ITI5147 Data exploration and visualisation
Year 1 Term 4 (July to Sept)	ITI5145 Introduction to data science (Pre: ITI9136)	ITI5197 Statistical data modelling (Pre: ITI9136 & ITI9004)
Year 2 Term 1 (Oct to Nov)	ITI5196 Data wrangling (Pre: ITI9136)	ITI5057 Project Management
Year 2 Term 2 (Jan to Feb)	ITI5122 Professional practice	ITI5126 Minor thesis part 1
Year 2 Term 3 (May to June)	ITI5127 Masters thesis part 2	ITI5201 Machine learning – Data science electives (Pre: ITI5197)
Year 2 Term 4 (July to Sept)	ITI5128 Masters thesis final	ITI5202 Data processing for big data (Pre: ITI9132 & ITI9136)

*To be eligible for the research option, you must have successfully completed at least 24 credit points of level 5 FIT-coded units; and have an overall average WAM of at least 80% across all Level 5 units; and must have achieved at least a distinction (75%) in FIT5125 IT research methods.

If you have a WAM between 75-79% across all Level 5 units you must have successfully completed at least 24 credit points of level 5 FIT-coded units; and demonstrated research capability with written support from a prospective supervisor; and must have achieved at least a distinction (75%) in FIT5125 IT research methods..

A	Foundation studies
B	Core studies
C	Applied studies