

# C6009 Master of Data Science (Indonesia) – 2024 – Suggested course map

## Industry Experience option

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

A	Foundation skills and knowledge
B	Core masters study
C	Advanced practice

# C6009 Master of Data Science (Indonesia) – 2024 – Suggested course map

## Minor Thesis option\*

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

\*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 skills and knowledge
B	Core masters study
C	Advanced practice