

UNIT OFFERINGS YEAR 2024
Master of Data Science (C6004)

School of Information Technology Malaysia Campus

The unit offering information is as of the publication date and subject to change. Please refer to the unit Handbook entry prior to the start of each semester.

Semester 1 (February Semester)			
Unit set		Unit Code	Unit Title
Foundation		FIT9132	Introduction to databases
		FIT9136	Algorithms and programming foundations in Python
		MAT9004	Mathematical foundations for data science and AI
Core master's study		FIT5057	Project management
		FIT5202	Data processing for big data
		FIT5125	IT research methods
		FIT5147	Data exploration and visualisation
		FIT5197	Statistical data modelling
Data Science approved elective		FIT5201	Machine learning
FIT Elective		FIT5047	Fundamentals of artificial intelligence
		FIT5086	Organisational informatics
		FIT5216	Modelling discrete optimisation problems
Advanced practice	Industry experience	FIT5120	Industry experience studio project
		FIT5122	Professional practice
	Research	FIT5122	Professional practice
		FIT5126	Masters thesis part 1
		FIT5127	Masters thesis part 2
		FIT5128	Masters thesis final

Semester 2 (July Semester)			
Unit set		Unit Code	Unit Title
Foundation		FIT9136	Algorithms and programming foundations in Python
		FIT9137	Introduction to computer architecture and networks
		MAT9004	Mathematical foundations for data science and AI
Core master's study		FIT5145	Foundation of data science
		FIT5057	Project management
		FIT5125	IT research methods
		FIT5196	Data wrangling
Data Science approved elective		FIT5230	Malicious AI
		FIT5201	Machine learning
FIT Elective		FIT5160	Business process modelling, design and simulation
		FIT5205	Data in society
		FIT5206	Digital Continuity
		FIT5215	Deep learning
		FIT5226	Multi agent systems and collective behaviour
Advanced practice	Industry experience	FIT5120	Industry experience studio project
		FIT5122	Professional practice
	Research	FIT5122	Professional practice
		FIT5126	Masters thesis part 1
		FIT5127	Masters thesis part 2
		FIT5128	Masters thesis final