MASTER OF DATA SCIENCE (C6004) - 2021

Industry Experience Stream

Year 1	(48	credit	points	١
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First Semester	FIT9132 Introduction to databases	FIT9136 Algorithms and programming	FIT9137 Introduction to computer	MAT9004 Mathematical foundations
Connel	FITT AF	foundations in python	architecture and networks	for data science and Al
Second	FIT5145	FIT5147	FIT5196	FIT5197
Semester	Introduction to data science	Data exploration and visualisation	Data wrangling	Statistical data modelling
	[FIT9136 and FIT9132]		[FIT9136]	[FIT9136 and MAT9004]

Year 2 (48 credit points)

Teal 2 (46 Credit points)				
First	FIT5125	Data Science core unit *	Data Science core unit *	Data Science core unit *
Semester	IT research methods			
Second	FIT5120		FIT5122	Level 5 Elective
Semester	Industry experience project (12	2 points)	IT professional practice	
	fo f		[Co-requisite: FIT5120]	
	[Refer to handbook]		, , , , , , , , , , , , , , , , , , , ,	

Research Stream

Year 1 (48 credit points)

	real 2 (to dream points)				
First	FIT9132	FIT9136	FIT9137	MAT9004	
Semester	Introduction to databases	Algorithms and programming	Introduction to computer	Mathematical foundations	
		foundations in python	architecture and networks	for data science and Al	
Second	FIT5145	FIT5125	FIT5196	FIT5197	
Semester	Introduction to data science	IT research methods	Data wrangling	Statistical data modelling	
	[FIT9136 and FIT9132]		[FIT9136]	[FIT9136 and MAT9004]	

Year 2 (48 credit points)

First	FIT5126	FIT5147	Data Science core unit *	Data Science core unit *
Semester	Masters thesis part 1	Data exploration and		
		visualisation		
	[Refer to handbook]			
Second	FIT5127	FIT5128	Level 5 Elective	Data Science core unit *
Semester	Masters thesis part 2	Masters thesis final		
	[FIT5126, Co-requisite: FIT5128]	[FIT5126, Co-requisite: FIT5127]		

FOUNDATION	CORE MASTER'S STUDIES	ADVANCED PRACTICE

Data Science core units:

FIT5201 Machine learning
FIT5202 Data processing for big data
FIT5205 Data in society
FIT5212 Data analysis for semi-structured data

FIT5149 Applied data analysis BMS5021 Introduction to bioinformatics BMS5022 Advanced bioinformatics

Notes

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Credit points	Unless specified, all units are worth 6 credit points Master of Data Science 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	