

UNIT OFFERINGS YEAR 2022
Bachelor of Computer Science in Data Science (C2001)

School of Information Technology Malaysia Campus		
List is Subject to Change		
Semester 1 (February Semester)		
Unit Set	Unit Code	Unit Title
Core	FIT1008	Introduction to computer science
	FIT1043	Introduction to data science
	FIT1045	Algorithms and programming fundamentals in python
	FIT1047	Introduction to computer systems, networks and security
	FIT1055	IT professional practice and ethics
	FIT2004	Algorithms and data structures
	FIT2094	Databases
	FIT3163	Data science project 1
	FIT3164	Data science project 2
	MAT1830	Discrete mathematics for computer science
MAT1841	Continuous mathematics for computer science	
Elective	FIT1051	Programming fundamentals in java
	FIT2081	Mobile application development
	FIT2093	Introduction to cyber security
	FIT2099	Object oriented design and implementation
	FIT3077	Software engineering: Architecture and design
	FIT3081	Image processing
	FIT3134	Entrepreneurship
	FIT3152	Data analytics
	FIT3155	Advanced data structures and algorithms
	FIT3159	Computer architecture
FIT3182	Big data management and processing	
Industrial Training	FIT3045	Industry-based learning
	FIT3199	Industry work experience

Semester 2 (July Semester)		
Unit Set	Unit Code	Unit Title
Core	FIT1008	Introduction to computer science
	FIT1043	Introduction to data science
	FIT1045	Algorithms and programming fundamentals in python
	FIT1047	Introduction to computer systems, networks and security
	FIT1055	IT professional practice and ethics
	FIT2004	Algorithms and data structures
	FIT2014	Theory of computation
	FIT2086	Modelling for data analysis
	FIT2094	Databases
	FIT3179	Data visualisation
	FIT3163	Data science project 1
	FIT3164	Data science project 2
	MAT1830	Discrete mathematics for computer science
MAT1841	Continuous mathematics for computer science	
Elective	FIT1051	Programming fundamentals in java
	FIT2099	Object oriented design and implementation
	FIT2100	Operating systems
	FIT2101	Software engineering process and management
	FIT2102	Programming paradigms
	FIT2107	Software quality and testing
	FIT3003	Business intelligence and data warehousing
	FIT3080	Intelligent systems
	FIT3143	Parallel computing
	FIT3155	Advanced data structures and algorithms
	FIT3175	Usability
FIT3181	Deep learning	
FIT3183	Malicious AI and dark side security	
Industrial Training	FIT3045	Industry-based learning
	FIT3199	Industry work experience

October semester (only for NEW October intake students)		
Unit Set	Unit Code	Unit Title
Core	FIT1045	Introduction to algorithms and programming
	FIT1047	Introduction to computer systems, networks and security
	MAT1830	Discrete mathematics for computer science
Elective	FIT1051	Programming fundamentals in java