

MASTER OF SCIENCE DATA SCIENCE -CS779
DURATION OF STUDY: 1.5 - 2 YEARS/ 3 - 4 SEMESTERS
(INTAKE : MARCH & OCTOBER)

Synopsis

Data science, also known as data-driven science, is an interdisciplinary field that focuses on data analytics theories and specialised skills aimed at discovering knowledge embedded in large datasets or revealing insights from structured and unstructured data. The Master of Data Science programme is designed to produce data scientists and professionals who can apply data analytics skills to assist organizations to achieve goals and competitive advantage. The program will equip graduates with statistical, machine learning, and data science programming skills to elevate them into analytical talents from local and international careers in data science ranging from data storage, visualization, and analytics to practical web-based applications aimed at improving business or organization performance.

Entry Requirement

General	
i. Bachelor's Degree with a minimum CGPA of 2.75 or its equivalent, recognized by the UiTM senate; OR ii. Bachelor's Degree qualification or equivalent with a minimum CGPA of 2.50 and does not meet CGPA 2.75 acceptable subject to stringent internal appraisal process; OR iii. Bachelor's Degree or any related fields with CGPA less than 2.50 or its equivalent, recognized by the UiTM senate, can be accepted, with a minimum of five (5) years working experience in the relevant field; iv. Candidates without a qualification in the related fields or working experience in the relevant fields must undergo appropriate prerequisite courses determined by the UiTM Senate and meet the minimum CGPA based on (i) to (iii) vi. Candidates without qualification in the related fields or working experience in the relevant fields but meet the minimum CGPA based on (i) to (iii) and have passed the prerequisite courses via <ul style="list-style-type: none"> ● Accredited micro-credentials programs or ● Professional courses or ● Courses during bachelor's degree can be exempted from taking prerequisite courses. 	
Local	International
OR Has certificate of Accreditation of Prior Experiential Learning (APEL) for entry into graduate program	Language Requirements International applicants are required to obtain a minimum: <ul style="list-style-type: none"> ● Malaysian University English Test (MUET) Band 3 ● IELTS: Band 5 ● TOEFL: Internet-Based Test (IBT: 35-45); Computer-Based Test (CBT: 107-131); Paper-Based Test (417-450) ● CEFR: B1 ● TOEIC: 356 - 440

	<ul style="list-style-type: none"> ● BULATS: 40-59 ● Any English Language Test which is equivalent to B1 in Common European Framework of Reference for Language (CEFR) <p>A candidate who does not have TOEFL or IELTS is required to attend six (6) months of English Proficiency Class (EPC) prior to enrolment to the program. Upon completion of the EPC program, the candidate needs to sit for TOEFL/IELTS/MUET examination with the score as stated above.</p> <p>Exemption from UiTM English Language Requirement is only allowed if candidate:</p> <ul style="list-style-type: none"> ● Obtained Bachelor / Master or other relevant degree from Malaysian recognized institution whereby all courses are fully conducted in English OR; ● An English native speaker OR; ● Graduated from any higher learning institution which uses the English Language as the medium of instruction.
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Fee Structures

Local

FEES	TOTAL RINGGIT MALAYSIA (RM)	
	Full-time	Part-time
Fees for semester 1	RM 6,698	RM 5,288
Fees for semester 2	RM 7,975	RM 6,565
Fees for semester 3	RM 8,185	RM 5,215
Fees for semester 4		RM 6,775
TOTAL ESTIMATION FOR TUITION FEES	RM 22,843	RM 23,843

**ESTIMATED FEES* Subject to change*

**Fees for Convocation RM210 will be charged in the final semester*

International

FEES	TOTAL RINGGIT MALAYSIA (RM)
Fees for semester 1	RM 9,480
Fees for semester 2	RM 11,170
Fees for semester 3	RM 11,380
TOTAL ESTIMATION FOR TUITION FEES	RM 32,030

Programme Structures

FULL-TIME		
Year 1		Year 2
Semester 1	Semester 2	Semester 3
1. DSC721 - Enterprise Data Analytics 2. CSC787 - Advanced Data Organization 3. DSC722 - Research Methodology 4. STA705 - Statistical Computing	1. STA761- Statistical Data Mining 2. DSC761 - Advanced Data Science Technology 3. SYS751 - Advanced Decision Support Systems 4. DSC762 - Seminar and Industry Engagement 5. ELECTIVE (Choose ONE only) a. CSC788 - Data Visualization b. DSC763 - Customer Analytics c. DSC764 - Operation Analytics d. DSC765 - People Analytics e. DSC766 - Text Analytics f. GIS710 - Advanced Geographical Information Science g. GIS713 - Geo-Visualization h. GIS720 - Geospatial Analysis and Modeling i. ISC747 - Optimization with Nature Inspired Computing j. STA739 - Applied Statistical Modeling k. STA768 - Time Series Modeling and Forecasting l. STA780 - Advanced Multivariate Analysis	1. DSC790 - Data Science Project 2. ELECTIVE (Choose any TWO) a. CSC788 - Data Visualization b. DSC763 - Customer Analytics c. DSC764 - Operation Analytics d. DSC765 - People Analytics e. DSC766 - Text Analytics f. GIS710 - Advanced Geographical Information Science g. GIS713 - Geo-Visualization h. GIS720 - Geospatial Analysis and Modeling i. ISC747 - Optimization with Nature Inspired Computing j. STA739 - Applied Statistical Modeling k. STA768 - Time Series Modeling and Forecasting l. STA780 - Advanced Multivariate Analysis

PART-TIME			
Year 1		Year 2	
Semester 1	Semester 2	Semester 3	Semester 4
1. DSC721 - Enterprise Data Analytics	1. CSC787 - Advanced Data Organization	1. DSC762 - Seminar and Industry Engagement	1. DSC790 - Data Science Project
2. DSC722 - Research Methodology	2. DSC761 - Advanced Data Science Technology	2. ELECTIVE (Choose any TWO)	2. ELECTIVE (Choose ONE only)
3. STA705 - Statistical Computing	3. STA761 - Statistical Data Mining	a. CSC788 - Data Visualization	a. CSC788 - Data Visualization
	4. SYS751 - Advanced Decision Support Systems	b. DSC763 - Customer Analytics	b. DSC763 - Customer Analytics
		c. DSC764 - Operation Analytics	c. DSC764 - Operation Analytics
		d. DSC765 - People Analytics	d. DSC765 - People Analytics
		e. DSC766 - Text Analytics	e. DSC766 - Text Analytics
		f. GIS710 - Advanced Geographical	f. GIS710 - Advanced Geographical Information Science
		g. GIS713 - Geo-Visualization	g. GIS713 - Geo-Visualization
		h. GIS720 - Geospatial Analysis and Modeling	h. GIS720 - Geospatial Analysis and Modeling
		i. ISC747 - Optimization with Nature Inspired Computing	i. ISC747 - Optimization with Nature Inspired Computing
		j. STA768 - Time Series Modeling and Forecasting	j. STA768 - Time Series Modeling and Forecasting
		k. STA780 - Advanced Multivariate Analysis	k. STA780 - Advanced Multivariate Analysis
		l. STA739 - Applied Statistical Modeling	l. STA739 - Applied Statistical Modeling
		m. Information Science	