

# FACULTY OF COMPUTER AND MATHEMATICAL SCIENCE (CS)

## MASTER BY COURSEWORK

## POSTGRADUATE CERTIFICATE

### POSTGRADUATE CERTIFICATE IN DATA SCIENCE - CS700

**DURATION OF STUDY: 0.5 - 1 YEAR/ 1 - 2 SEMESTERS**

**(INTAKE : MARCH & OCTOBER)**

### Synopsis

The Postgraduate Certificate in Data Science is a programme that aims to produce holistic graduates by focusing on High-end Technical and Vocational Education (HE – TVET). Both recent graduates and working professionals will have the chance to learn pertinent topics and skills that have an impact on current practise through a curriculum that takes a balanced approach. The core courses will give students a solid foundation for using their programming and data science skills in the workplace. The curriculum will help students develop their modelling and interpreting skills, enabling management to make data-driven decisions.

### Entry Requirement

General	
The admission requirements for this programme are:	
i.	Bachelor's degree in science, computer science, engineering, mathematics, statistics, business, economics or related field from UiTM OR any institution of higher learning in and outside the country recognized by the Malaysian government with a minimum HPNG of 2.75,
	OR
ii.	Bachelor's Degree in science, computer science, engineering, mathematics, statistics, business, economics or related field from UiTM OR any institution of higher learning in and outside the country recognized by the Malaysian government with a Cumulative Grade Point Average (CGPA) at least 2.50 and have at least two (2) years working experience in a related field,
	OR
iii.	Diploma in a related field from UiTM OR another university recognized by the Malaysian government AND at least 5 years of working experience in a related field (subject to internal assessment).
	OR
iv.	STPM / Diploma in a related field from UiTM OR another university recognized by the Malaysian government AND passed the APEL (Accreditation of Prior Experiential Learning) assessment AND at least 30 years old age with work experience in a related field (subject to internal assessment).

## Fee Structures

### Local

FEES	TOTAL RINGGIT MALAYSIA (RM)	
	Full-time	Part-time
Fees for semester 1	RM 8, 008	RM 3, 888
Fees for semester 2		RM 4, 725
<b>TOTAL ESTIMATION FOR TUITION FEES</b>	<b>RM 8, 008</b>	<b>RM 8, 613</b>

*\*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 10, 490
<b>TOTAL ESTIMATION FOR TUITION FEES</b>	<b>RM 10, 490</b>

## Programme Structures

FULL-TIME	
Semester 1	
1.	CSC718 – Machine Learning and ITS Applications
2.	DSC780 – Capstone Data Science Project
3.	STA700 – R Programming for Data Analysis and Modelling
4.	DSC751 – Data Science Technology
5.	ISP725 – Data Mining and Analytic

PART TIME	
Year 1	
Semester 1	Semester 2
1. STA700 - R Programming for Data Analysis and Modelling	1. CSC718 - Machine Learning and ITS Applications
2. DSC751 - Data Science Technology	2. DSC780 - Capstone Data Science Project
3. STA716 - Frequentist and Bayesian Statistics	