

MASTER IN DATA SCIENCE - CS789
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 specialized skills aimed at discovering knowledge embedded in large datasets or revealing insights from structured and unstructured data. The Master in Data Science (CS789) is an interdisciplinary program designed to equip graduates with advanced skills in data analytics, machine learning, and programming. The goal of the program is to develop proficient data professionals who can transform complex data into actionable insights, thereby enhancing decision-making and promoting organizational growth on both local and global scales. The curriculum integrates advanced analytics, machine learning, artificial intelligence, business intelligence, and practical projects. Key courses include Corporate Data Analytics, Advanced Machine Learning, and Data Science Projects, which prepare graduates to tackle real-world data challenges across various industries.

Entry Requirement

General	
i.	A Bachelor's degree or equivalent in Computing or related field with a minimum CGPA of 2.50 from UiTM or any Institution of Higher Learning recognized by UiTM Senate;
OR	
ii.	A Bachelor's degree or equivalent in Computing or related field with a minimum CGPA of 2.00 AND a rigorous assessment set by the faculty;
OR	
iii.	A Bachelor's degree in Non-Computing field with a minimum CGPA of 2.00, with or without working experience in a relevant field subject to a rigorous assessment must undergo and PASS prerequisite courses determined by the faculty;
Note: Prerequisite exemption given with accredited micro-credentials programs or professional courses in the related field or related courses during Bachelor's degree.	
OR	
iv.	Pass Accreditation of Prior Experiential Learning for Access (APEL.A).

FEE STRUCTURE

FEES	TOTAL RINGGIT MALAYSIA (RM)	
	Full-time	Part-Time
Fees for Semester 1	7,785.00	6,375.00
Fees for Semester 2	8,025.00	6,615.00
Fees for Semester 3	7,575.00	6,165.00
Fees for Semester 4	-	5,715.00
TOTAL ESTIMATION FOR TUITION FEES	23,385.00	24,870.00

**ESTIMATED FEES* Subject to change*

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

Programme Structures

FULL-TIME		
Year 1		Year 2
Semester 1	Semester 2	Semester 3
1. DSC723 CORPORATE DATA ANALYTICS 2. DSC726 SEMINAR AND INDUSTRY ENGAGEMENT 3. STA708 STATISTICAL COMPUTING AND DATA MINING 4. ELECTIVE 1 (Choose ONE only) a. DSC767 TEXT MINING AND ANALYTICS b. ISC752 NATURED-INSPIRED COMPUTING c. DSC789 INFORMATION VISUALISATION	1. DSC732 RESEARCH METHODOLOGY 2. DSC769 ADVANCED DATA SCIENCE TECHNOLOGY 3. CSC738 ADVANCED MACHINE LEARNING 4. ELECTIVE 2(Choose ONE only) a. DSC767 TEXT MINING AND ANALYTICS b. ISC752 NATURED-INSPIRED COMPUTING c. DSC789 INFORMATION VISUALISATION	1. DSC791 DATA SCIENCE PROJECT 2. ELECTIVE 3(Choose ONE only) a. DSC767 TEXT MINING AND ANALYTICS b. ISC752 NATURED-INSPIRED COMPUTING c. DSC789 INFORMATION VISUALISATION d. STA755 APPLIED TIME SERIES MODELLING AND FORECASTING

d. STA755 APPLIED TIME SERIES MODELLING AND FORECASTING	d. STA755 APPLIED TIME SERIES MODELLING AND FORECASTING	e. DSC768 OPERATION ANALYTICS
e. DSC768 OPERATION ANALYTICS	e. DSC768 OPERATION ANALYTICS	f. GES710 FRONTIERS OF GEOGRAPHICAL INFORMATION SCIENCE
f. GES710 FRONTIERS OF GEOGRAPHICAL INFORMATION SCIENCE	f. GES710 FRONTIERS OF GEOGRAPHICAL INFORMATION SCIENCE	g. ISP711 APPLIED ARTIFICIAL INTELLIGENCE
g. ISP711 APPLIED ARTIFICIAL INTELLIGENCE	g. ISP711 APPLIED ARTIFICIAL INTELLIGENCE	h. ISP712 MANAGERIAL BUSINESS INTELLIGENCE
h. ISP712 MANAGERIAL BUSINESS INTELLIGENCE	h. ISP712 MANAGERIAL BUSINESS INTELLIGENCE	

PART-TIME			
Year 1		Year 2	
Semester 1	Semester 2	Semester 3	Semester 4
1. DSC723 CORPORATE DATA ANALYTICS 2. STA708 STATISTICAL COMPUTING AND DATA MINING 3. ELECTIVE 1 (Choose ONE only) a. DSC767 TEXT MINING AND ANALYTICS b. ISC752 NATURED-INSPIRED COMPUTING c. DSC789 INFORMATION VISUALISATION	1. DSC726 SEMINAR AND INDUSTRY ENGAGEMENT 2. CSC738 ADVANCED MACHINE LEARNING 3. ELECTIVE 2 (Choose ONE only) a. DSC767 TEXT MINING AND ANALYTICS b. ISC752 NATURED-INSPIRED COMPUTING c. DSC789 INFORMATION VISUALISATION	1. DSC732 RESEARCH METHODOLOGY 2. DSC769 ADVANCED DATA SCIENCE TECHNOLOGY 3. ELECTIVE 3 (Choose ONE only) a. DSC767 TEXT MINING AND ANALYTICS b. ISC752 NATURED-INSPIRED COMPUTING c. DSC789 INFORMATION VISUALISATION d. STA755 APPLIED TIME SERIES	1. DSC791 DATA SCIENCE PROJECT

d. STA755 APPLIED TIME SERIES MODELLING AND FORECASTING e. DSC768 OPERATION ANALYTICS f. GES710 FRONTIERS OF GEOGRAPHICAL INFORMATION SCIENCE g. ISP711 APPLIED ARTIFICIAL INTELLIGENCE h. ISP712 MANAGERIAL BUSINESS INTELLIGENCE	d. STA755 APPLIED TIME SERIES MODELLING AND FORECASTING e. DSC768 OPERATION ANALYTICS f. GES710 FRONTIERS OF GEOGRAPHICAL INFORMATION SCIENCE g. ISP711 APPLIED ARTIFICIAL INTELLIGENCE h. ISP712 MANAGERIAL BUSINESS INTELLIGENCE	MODELLING AND FORECASTING e. DSC768 OPERATION ANALYTICS f. GES710 FRONTIERS OF GEOGRAPHICAL INFORMATION SCIENCE g. ISP711 APPLIED ARTIFICIAL INTELLIGENCE h. ISP712 MANAGERIAL BUSINESS INTELLIGENCE	
---	---	---	--