

MASTER OF SCIENCE IN APPLIED STATISTICS - CS702
DURATION OF STUDY: 1.5 - 2 YEARS/ 3 - 4 SEMESTERS
(INTAKE : MARCH & OCTOBER)

Synopsis

The Master of Science in Applied Statistics programme is offered to accommodate both working professionals and fresh graduates to acquire analytical and statistical skills. The programme offers a curriculum that provides a balanced approach towards learning statistical theory and its applications. The core courses give a thorough grounding in advanced and modern statistical methods, with additional topics in data science.

Entry Requirement

General	
<p>i. Bachelor's degree in any of the following areas of studies: Statistics, Actuarial Science, Mathematics, Engineering, or any related programme with minimum CGPA of 2.75 or its equivalent, recognized by the UiTM Senate;</p> <p>OR</p> <p>ii. Bachelor's degree in any of the following areas of studies: Statistics, Actuarial Science, Mathematics, Engineering, or any related programme with minimum CGPA of 2.50 or its equivalent, recognized by the UiTM Senate, with at least two (2) years of relevant working experience.</p> <p>OR</p> <p>Candidate with non-science degree or those with non-statistical background or without qualification in the related fields or relevant working experience must undergo appropriate prerequisite courses determined by UiTM and meet the minimum CGPA based on (i) or (ii).</p> <p>Candidates without qualification in the related fields or working experience in the relevant fields but meet the minimum CGPA based on (i) to (ii) and have passed the prerequisite courses via</p> <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
<p>i. Has a certificate of Accreditation of Prior Experiential Learning (APEL) for entry into the graduate programs.</p> <p>Note: Candidates under category (iii) with qualifications other than Statistics, Actuarial Science, Mathematics, or Engineering can be accepted with the condition of taking a prerequisite module as early preparation for their graduate studies.</p>	<p>Language Requirements</p> <p>International applicants are required to obtain a minimum:</p> <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)

	<ul style="list-style-type: none"> ● CEFR: B1 ● TOEIC: 365 - 440 ● BULATS: 40-59 ● Any English Language Test which is equivalent to B1 in the Common European Framework of Reference for Language (CEFR) <p>The candidates who does not have any of above requirement have to attend six (6) months of English Proficiency Class (EPC) prior to enrolment in the program. Upon completion of the EPC program, candidate needs to sit for TOEFL/IELTS/MUET examination with the score stated above.</p>
--	--

Fee Structures

Local

FEES	TOTAL RINGGIT MALAYSIA (RM)	
	Full-time	Part-time
Fees for semester 1	RM 1, 998	RM 1, 638
Fees for semester 2	RM 2, 225	RM 1, 565
Fees for semester 3	RM 2, 435	RM 1, 565
Fees for semester 4		RM 2, 375
TOTAL ESTIMATION FOR TUITION FEES	RM 6, 658	RM 7, 143

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 4, 880
Fees for semester 2	RM 5, 670
Fees for semester 3	RM 5, 880
TOTAL ESTIMATION FOR TUITION FEES	RM 16, 430

Programme Structures

FULL-TIME		
Year 1		Year 2
Semester 1	Semester 2	Semester 3
1. STA716 - Frequentist and Bayesian Statistics 2. STA715 - Statistical Programming and Computing 3. STA780 - Advanced Multivariate Analysis 4. STA707 - Research Design and Methodology	1. STA761 - Statistical Data Mining 2. STA739 - Applied Statistical Modelling 3. STA751 - Statistical Consulting and Entrepreneurship 4. STA788 - Research Proposal in Applied Statistics 5. ELECTIVE I - (Choose any TWO) a. CSC728 - Machine Learning b. STA704 - Sampling Theory and Practice c. CSS728 - Machine Learning	1. STA798 - Research Project in Applied Statistics 2. ELECTIVE I - (Choose any TWO) a. CSC728 - Machine Learning b. STA704 - Sampling Theory and Practice c. CSS728 - Machine Learning d. CSC787 - Advanced Data Organization e. CSC788 - Data Visualization f. DSC766 - Text Analytics g. MGT790 - Strategic Management

	<ul style="list-style-type: none"> d. CSC787 - Advanced Data Organization e. CSC788 - Data Visualization f. DSC766 - Text Analytics g. MGT790 - Strategic Management h. QMT759 - Input-Output Analysis i. STA765 - Design and Analysis of Experiments j. STA768 - Advanced Time Series Modelling and Forecasting 	<ul style="list-style-type: none"> h. QMT759 - Input-Output Analysis i. STA765 - Design and Analysis of Experiments j. STA768 - Advanced Time Series Modelling and Forecasting
--	---	---

PART-TIME			
Year 1		Year 2	
Semester 1	Semester 2	Semester 3	Semester 4
<ul style="list-style-type: none"> 1. STA716 - Frequentist and Bayesian Statistics 2. STA715 - Statistical Programming and Computing 3. STA780 - Advanced Multivariate Analysis 	<ul style="list-style-type: none"> 1. STA761- Statistical Data Mining 2. STA739 - Applied Statistical Modelling 3. STA707 - Research Design and Methodology 	<ul style="list-style-type: none"> 1. STA751- Statistical Consulting and Entrepreneurship 2. STA788 - Research Proposal 3. ELECTIVE I - (Choose ONE only) <ul style="list-style-type: none"> a. STA704 - Sampling Theory and Practice b. CSC728 - Machine Learning c. CSC787 - Advanced Data Organization d. CSC788 - Data Visualization e. DSC766 - Text Analytics f. MGT790 - Strategic Management g. QMT759 - Input-Output Analysis h. STA765 - Design and Analysis of Experiments i. STA768 - Advanced Time Series Modelling and Forecasting 	<ul style="list-style-type: none"> 1. STA798 - Research Project in Applied Statistics 2. Elective I - (Choose any TWO) <ul style="list-style-type: none"> a. STA768 - Advanced Time Series Modelling and Forecasting b. CSC728 - Machine Learning c. STA704 - Sampling Theory and Practice d. CSS728 - Machine Learning e. CSC787 - Advanced Data Organization f. CSC788 - Data Visualization g. DSC766 - Text Analytics h. MGT790 - Strategic Management i. QMT759 - Input-Output Analysis j. STA765 - Design and Analysis of Experiments