MASTER OF SCIENCE IN APPLIED MATHEMATICS - CS773
DURATION OF STUDY: 1.5 YEAR / 3 SEMESTERS (INCLUDING 1 SHORT SEMESTER)
(INTAKE : MARCH)

Synopsis

A Master of Science in Applied Mathematics is a one-year program (three semesters, including one short semester) giving in-depth knowledge of advanced applied mathematics topics and computational tools. The programme aims to sharpen analytical, modelling, and problem-solving skills for career advancement in industry, business, management, education, and other professions wherever mathematics is applied. Graduates will also be well prepared to further their studies in the doctoral program.

Entry Requirement

<table>
<tr><th colspan="2">General</th></tr>
<tr><td colspan="2">i. Bachelor Degree with minimum CGPA of 2.75 in the field of mathematics from UiTM or other institutions of higher learning, as approved by the UiTM Senate;

OR

ii. Bachelor Degree with minimum CGPA of 2.50 in the field of mathematics from UiTM or other institutions of higher learning, as approved by the UiTM Senate and a minimum of two (2) years working experience.

OR

iii. Bachelor Degree with minimum CGPA of 3.00 in the field of science and technology from UiTM or other institutions of higher learning, as approved by the UiTM Senate;

OR

iv. Bachelor Degree with minimum CGPA of 2.50 in the field of science and technology from UiTM or other institutions of higher learning, as approved by the UiTM Senate and a minimum of four (4) years working experience in the relevant field</td></tr>
<tr><th>Local</th><th>International</th></tr>
<tr><td>Has certificate of Accreditation of Prior Experiential Learning (APEL) for entry into graduate program.

Note: Candidate under category (V) with qualification other than Statistics, Actuarial Science, Mathematics, CEEC701, Economics and Business Studies can be accepted with the condition of taking prerequisite module as an early preparation for their graduate studies.</td><td>Language Requirements

International applicants are required to obtain a minimum:

● 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
● BULATS: 40-59
● Any English Language Test which is equivalent to B1 in Common European Framework of Reference for Language (CEFR)</td></tr>
</table>

	A candidate who does not have TOEFL or IELTS is required to attend six (6) months of English Proficiency Class (EPC) prior to enrolment in the program. Upon completion of the EPC program, the candidate needs to sit for TOEFL/IELTS/MUET examination with the score stated above. Exemption from UiTM English Language Requirement is only allowed if candidate: ● Have 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.

Fee Structures

Local

FEES	TOTAL RINGGIT MALAYSIA (RM)	
	Full-time	**Part-time**
Fees for semester 1	RM 2, 498	RM 1, 838
Fees for semester 2 (short semester)	RM 1, 525	RM 2, 075
Fees for semester 3	RM 2, 435	RM 1, 465
Fees for semester 4		RM 1, 565
TOTAL ESTIMATION FOR TUITION FEES	**RM 6, 458**	**RM 6, 943**

**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 6, 380
Fees for semester 2 (short semester)	RM 3, 570
Fees for semester 3	RM 5, 880
TOTAL ESTIMATION FOR TUITION FEES	**RM 15, 830**

Programme Structures

FULL-TIME		
Year 1		
Semester 1	**Semester 2 (short semester)**	**Semester 3**
1. MAT721 - Critical Reading in Mathematics 2. MAT727 - Mathematical Modelling with Applications 3. MAT726 - Methodology for Mathematics Research 4. MAT723 – Matrix Theory 5. ELECTIVE I (Choose ONE only) a. MAT751 - (Mathematical Finance)	1. MAT735 Fuzzy Mathematics 2. MAT715 - Fundamental of numerical analysis	1. MAT796 (Research Project in Mathematics) 2. ELECTIVE II (Choose ONE only) a. MAT753 (Applied Functional Analysis) b. MAT757 (Applied Mathematical Programming) c. MAT759 (Applied Mathematics for Parallel Computation)

b. MAT755 - (Applied Dynamical System) c. CSC788 - (Data Visualization) d. CSC752 - (Advanced Algorithm and Analysis) e. STA768 - (Advanced Time Series Modeling and Forecasting)		

PART – TIME			
Year 1		**Year 2**	
Semester 1	**Semester 2 (short semester)**	**Semester 3**	**Semester 4**
1. MAT727 - Mathematical Modelling with Applications 2. MAT723 – Matrix Theory 3. ELECTIVE I (Choose ONE only) a. MAT751 - (Mathematical Finance) b. MAT755 - (Applied Dynamical System) c. CSC788 - (Data Visualization) d. CSC752 - (Advanced Algorithm and Analysis) e. STA768 - (Advanced Time Series Modelling and Forecasting)	1. MAT735 Fuzzy Mathematics 2. MAT715 - Fundamental of numerical analysis	1. MAT721 - Critical Reading in Mathematics 2. MAT726 - Methodology for Mathematics Research 3. ELECTIVE II (Choose ONE only) a. MAT753 (Applied Functional Analysis) b. MAT757 (Applied Mathematical Programming) c. MAT759 (Applied Mathematics for Parallel Computation)	1. MAT796 - (Research Project in Mathematics)