

# MECHANICAL ENGINEERING (EM)

## MASTER BY COURSEWORK

### MASTER IN ENGINEERING MANAGEMENT - CEEM704

**DURATION OF STUDY: 2 - 4 YEARS/ 4-8 SEMESTERS**

**(INTAKE : MAC & OCTOBER)**

#### Synopsis

This course is introduced in line with the need to further expose working engineers and other professionals to related management tools. In many situations, professionals are always in a predicament when they are given the responsibility to lead organizations or departments, as they lack the managerial skills to the extent that it affects their performance.

#### Entry Requirement

General
<p>The general, specific and special conditions for admission to the EM704 program are as follows:</p>
<p>General Requirements: Bachelor in Science and Technology Engineering; Graduated from any university recognized by the UiTM Senate with a minimum CGPA of 3.5</p>
<p>OR</p>
<p>Bachelor in Engineering, Science and Technology; Graduated from any university recognized by the UiTM Senate with a GPA of 3.0 to 3.49; And Candidates are required to send a resume/CV and will be called for an interview session</p>
<p>Work experience of at least 1 year in the field of engineering in industry or the public sector Or a Bachelor's degree in the field of Engineering, Science and Technology; Graduated from any university recognized by the UiTM Senate with a CGPA of 2.75 to 2.99; Work experience of at least 2 years in the field of engineering in industry or public sector.</p>
<p>OR</p>
<p>Bachelor in Engineering, Science and Technology; Graduated from any university recognized by the UiTM Senate with a CGPA of 2.50 to 2.74; Work experience of at least 3 years in the field of engineering in industry or public sector.</p>
<p>OR</p>
<p>Bachelor in Engineering, Science and Technology; Graduated from any university recognized by the UiTM Senate with a GPA of 2.50 or below; Work experience of at least 5 years in the field of engineering in industry or public sector.</p>
<p>AND</p>
<p>(Special Requirements) - Candidates are required to send a resume/CV and will be called for an interview session at the Faculty.</p>
<p>Related field:</p>
<p>Training for teachers of vocational subjects; Biology and biochemistry; Physics; Chemistry; Mathematics; Statistics; Computer Science; Engineering and engineering trades; Mechanics and Metal Work; Electricity and Energy; Electronics and Automation; Chemical and Process; Motor vehicles, ships and aircraft; Civil Engineering; Materials (wood, paper, plastic and glass); Mining and extraction; Applied science; Building; Environmental protection (broad programmes); Environmental protection technology; Occupational health and safety; Chemical Engineering; Electrical Engineering;</p>

Local	International
<p>OR</p> <p>Fulfil Accreditation of Prior Experiential Learning APEL A (T-7) admission process for Master's Degree in related fields.</p> <p>Related field: Training for teachers of vocational subjects; Biology and biochemistry; Physics; Chemistry; Mathematics; Statistics; Computer Science; Engineering and engineering trades; Mechanics and Metal Work; Electricity and Energy; Electronics and Automation; Chemical and Process; Motor vehicles, ships and aircraft; Civil Engineering; Materials (wood, paper, plastic and glass); Mining and extraction; Applied science; Building; Environmental protection (broad programmes); Environmental protection technology; Occupational health and safety; Chemical Engineering; Electrical Engineering; Mechanical Engineering</p> <p>A candidate is required to submit a resume/ cv and will be called for an interview session conducted at the faculty.</p>	<p><b>Language Requirements</b></p> <ul style="list-style-type: none"> <li>• TOEFL certificate with a score of at least 417-450 for (paper-based) or 107-131 (computer-based) or 35-45 (IBT); or</li> <li>• IELTS certificate with at least Band 5; or</li> <li>• MUET Band 3</li> <li>• Any English Language Test which is equivalent to B1 in the Common European Framework of Reference for Language (CEFR)</li> </ul> <p>Applicants that do not meet the English proficiency requirements are required to attend and pass the SIX (6) months of English Proficiency Class (EPC). At the end of the EPC, candidates are required to sit for IELTS/TOEFL/MUET examination with the score according to the academic program.</p>

## Fee Structures

### Local

FEES	TOTAL RINGGIT MALAYSIA (RM)	
	Full-time	Part-time
Fees for semester 1	RM 4,318	RM 4,318
Fees for semester 2	RM 3, 605	RM 3, 605
Fees for semester 3	RM 3, 925	RM 3, 925
Fees for semester 4	RM 4,775	RM 4,775
<b>TOTAL ESTIMATION FOR TUITION FEES</b>	<b>RM 16, 623</b>	<b>RM 16, 383</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 6, 560
Fees for semester 2	RM 5, 490
Fees for semester 3	RM 5, 970
Fees for semester 4	RM 4, 980
<b>TOTAL ESTIMATION FOR TUITION FEES</b>	<b>RM 23, 000</b>

## Programme Structures

<b>FULL-TIME</b>			
<b>Year 1</b>		<b>Year 2</b>	<b>Year 3</b>
Semester 1	Semester 2	Semester 3	Semester 4
1. MEM770 - Management of Risks, Contract & Legal Issues	1. MEM702 - Project Marketing & Consumer Management	1. MEM701 - Transformation Management	1. MEM772 - Accounting, Finance & Engineering
2. MEM777 - Engineering Project Management	2. MEM771 - Strategic Management & Globalization	2. MEM775 - Managing the Value Adding	2. MEM799 - Industrial Project II
3. MEM791 - Technopreneurship	3. MEM701 - Transformation Management	3. MEM798 - Industrial Project I	3. MEM705 - Strategy & Management of Innovation
4. MEM797 - Research Methodology		4. ELECTIVE: (Choose ONE only)	
		a. MEM735 - Optimization of Engineering System	
		b. MEM734 - Management of Engineering Design	
		c. MEM735 Optimization of Engineering System	
		d. MEM752 Facilities Management – Building & Infrastructure	
		e. MEM762 Computer Integrated Manufacturing	
		f. MEM778 Quality Management and Process Control	
		g. MEM705 Strategy & Management of Innovation	

<b>PART-TIME</b>			
<b>Year 1</b>		<b>Year 2</b>	<b>Year 3</b>
Semester 1	Semester 2	Semester 3	Semester 4
1. MEM770 - Management of Risks, Contract & Legal Issues	1. MEM702 - Project Marketing & Consumer Management	1. MEM701 - Transformation Management	1. MEM772 - Accounting, Finance & Engineering
2. MEM777 - Engineering Project Management	2. MEM771 - Strategic Management & Globalization	2. MEM775 - Managing the Value Adding	2. MEM799 - Industrial Project II
3. MEM791 - Technopreneurship	3. ELECTIVE:	3. MEM798 - Industrial Project	3. MEM705 - Strategy & Management of Innovation
4. MEM797 - Research Methodology	a. MEM734 - Management of Engineering Design	4. ELECTIVE:	
		a. MEM735 - Optimization of Engineering System	