

MASTER OF SCIENCE IN MANUFACTURING ENGINEERING AND MATERIAL PROCESSING - CEEM706
DURATION OF STUDY : 1.5- 2 YEARS/ 3 - 4 SEMESTERS
(INTAKE : MAC & OCTOBER)

Synopsis

Master of Science in Manufacturing Engineering and Material Processing aims to produce engineer or managers that are well versed in manufacturing technology, material processing and management. This programme is offered on full time and part time basis. It will be conducted at School of Mechanical Engineering, College of Engineering, Universiti Teknologi MARA, Shah Alam. The minimum duration for full time programme is one year (two long semester and 1 short semester) while for the part time is 1.5 years. The maximum duration for the full time programme is 1.5 years and two years for part time. The total credit for this programme is 42. Assessment will be done by coursework, test and examination. Students will undertake Master Project to fulfill the requirement for this postgraduate programme.

Entry Requirement

General	
i. A Bachelor's Degree in Engineering, or Science and Technology, from recognized universities with CGPA of 3.0-4.0 with at least one year of working experience in industries or public sectors related to engineering area. ii. A Bachelor's Degree in Engineering, or Science and Technology, from recognized universities with CGPA of 2.75-2.99 with at least two years of working experience in industries or public sectors related to engineering area. iii. A Bachelor's Degree in Engineering, or Science and Technology, from recognized universities with CGPA of 2.50-2.74 with at least three years of working experience in industries or public sector related to engineering area. iv. A Degree in Engineering, or Science and Technology, with CGPA below 2.50, can be accepted subject to a minimum of 5 years working experience in industry or public sector related to engineering area v. A Certificate APEL T-7 with STPM/Diploma or any qualification equivalent to Diploma with significant work experience in industry or public sector related to engineering area. vi. A candidate is required to submit the resume/cv and will be invited for interview	
Local	International
OR Fulfill Accreditation of Prior Experiential Learning (APEL) admission process for Master's Degree in related area.	Language Requirements International applicants are required to obtain a minimum: <ul style="list-style-type: none"> ● Malaysian University English Test (MUET) Band 4 ● IELTS Band 5.5 ● TOEFL: Internet Based Test (IBT: 46 - 59) ; Computer Based Test (CBT: 133 - 169) ; Paper Based Test (453 - 496) ● CEFR: B2 ● TOEIC: 441 - 569 ● BULATS: 60 - 74

	<p>Candidates who do not have TOEFL or IELTS are required to attend six (6) months English Proficiency Class (EPC) prior to enrolment to the program. Upon completion of the EPC program, candidates need to sit for TOEFL/IELTS/MUET examination with the score as stated above.</p>
--	---

Fee Structures

Local

FEES	TOTAL	
	RINGGIT MALAYSIA (RM)	
	Full time	Part time
Fees for semester 1	RM 7,258	RM 4,918
Fees for semester 2	RM 7,185	RM 5,225
Fees for semester 3	RM 3,765	RM 3,705
Fees for semester 4		RM 5,055
TOTAL ESTIMATION FOR TUITION FEES	RM 18, 208	RM 18,903

International

FEES	TOTAL
	RINGGIT MALAYSIA (RM)
Fees for semester 1	RM 11,140
Fees for semester 2	RM 11,030
Fees for semester 3	RM 6,020
TOTAL ESTIMATION FOR TUITION FEES	RM 28,190

**ESTIMATED FEES *Subject to change*

**Fees for Convocation RM210 will be charged at final semester*

Programme Structures

FULL-TIME/PART TIME		
Year 1		Year 2
Semester 1	Semester 2	Semester 3
1. MEM775 - Advanced Industrial Management 2. MEM703 - Advanced Manufacturing Processes 3. MEM704 - Material Properties and Characterization 4. MEM706 - Advanced Composite Materials 5. MEM707 – Design for Reliability 6. MEC701 - Research Methodology	1. MEM708 - Facilities Design 2. MEM709 - Advanced Materials and Engineering Applications 3. MEM778 - Manufacturing Project 1 4. ELECTIVE : (Choose any THREE) a. MEM710 - Powder Material and Processes b. MEM711 - Advanced Virtual Manufacturing c. MEM712 - Advanced Surface Engineering d. MEM713 - Micro Manufacturing e. MEM714 - Laser Application in Material Processing f. MEM715 - Corrosion Engineering g. MEM717 - Industrial Metallurg	1. MEM779 - Manufacturing Project 2