MASTER OF SCIENCE IN ROBOTICS ENGINEERING - CEEM705
DURATION OF STUDY : 1.5 - 2 YEARS/ 3 - 4 SEMESTERS
(INTAKE : MAC & OCTOBER)

Synopsis

Robotics and automation play a key economic role throughout the world. They are complex system and are constantly adapting to change. The robotic and automation industry needs professional with tailored skills and knowledge. This master's degree will expand your existing knowledge, equipping you with the skills to develop and evaluate solutions to robotic and automation problem. This makes a real contribution to the challenges of our robotics and automation worldwide. For this program, you can choose either full-time or part-time mode.

Entry Requirement

<table>
<tr><th colspan="2">General</th></tr>
<tr><td colspan="2">i. Bachelor of Engineering, Technology or Science (Hons.) from other recognized universities approved by UiTM with minimum CGPA of 3.00 or equivalent to whom without working experiences.
OR
ii. Bachelor of Engineering, Technology or Science (Hons.) from other recognized universities approved by UiTM with minimum CGPA of 2.50 or equivalent AND at least 2 years working experiences in the industry or government sector in the related field (engineering, technology, science or management)
OR
iii. Bachelor of Engineering, Technology or Science (Hons.) from other recognized universities approved by UiTM with CGPA less than 2.50 or equivalent AND at least 5 years working experiences in the industry or government sector in the related field (engineering, technology, science or management)
AND
A candidate applying for admission into this programme is required to submit resume/CV, and an interview session will be conducted</td></tr>
<tr><th>Local</th><th>International</th></tr>
<tr><td>OR
For non-Bachelor degree holder;
i. STPM
ii. License Aircraft Maintenance Engineer
iii. Pilot License
iv. Professional Certificate OR/AND
v. Diploma in Engineering in the related field of Aviation/Aerospace/Aeronautic Engineering technology or management AND at least 5 years working experiences in the industry or government sector in the related field
vi. APEL T-7 (APEL-A, -C) certificate
vii. A candidate applying for admission into this programme is required to submit resume/CV, and an interview session will be conducted</td><td>Language Requirements
International applicants are required to obtain a minimum:
● Malaysian University English Test (MUET) Band 4
● IELTS Band 6
● TOEFL: Internet Based Test (IBT: 79) ; Computer Based Test (CBT: 213) ; Paper Based Test (550)
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.</td></tr>
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Fee Structures

Local

FEES	TOTAL RINGGIT MALAYSIA (RM)	
	Full time	**Part time**
Fees for semester 1	RM 5,933	RM4,688
Fees for semester 2	RM 7,440	RM 4,220
Fees for semester 3	RM 4,885	RM 3,825
Fees for semester 4		RM 6,010
TOTAL ESTIMATION FOR TUITION FEES	**RM18,258**	**RM18,743**

International

FEES	TOTAL RINGGIT MALAYSIA (RM)
Fees for semester 1	RM8,950
Fees for semester 2	RM 11,200
Fees for semester 3	RM 7,280
TOTAL ESTIMATION FOR TUITION FEES	**RM 27,430**

**ESTIMATED FEES *Subject to change*
**Fees for Convocation RM210 will be charged at final semester*

Programme Structures

FULL-TIME		
Year 1		**Year 2**
Semester 1	Semester 2	Semester 3
1. MEC701-Research Methodology 2. MEC787-Practical Robotics 3. MEC786-Embedded Microprocessor and Real – Time Systems 4. ELECTIVE (Choose any TWO) a. Machine Learning b. Advanced Robotics c. Advanced Control System d. Fundamental of Network Security (CyberOps Associate) e. Computer Networking: CCNA f. Signal Processing g. Adaptive Control h. System Identification	1. MEC727 - Robotics, Automation and Control 2. MEC727-Mechatronics Engineering Systems Design 3. MEC778 – Robotics Project 1 (Dissertation) 4. ELECTIVE (Choose any three) a. Machine Learning b. Advanced Robotics c. Advanced Control System d. Fundamental of Network Security (CyberOps Associate) e. Computer Networking: CCNA f. Signal Processing g. Adaptive Control h. System Identification	1. MEC779 -Master Project 2 (Dissertation)

PART-TIME			
Year 1		**Year 2**	
Semester 1	Semester 2	Semester 3	Semester 4
1. MEC787-Practical Robotics 2. MEC701- Research Methodology 3. ELECTIVE (Choose any TWO) a. MEC785-Machine Learning b. MEC781-Advanced Robotics c. MEC782-Advanced Control System d. MEC725- Fundamental of Network Security (CyberOps Associate) e. MEC727-Computer Networking: CCNA f. MEC726- Signal Processing g. MEC724-Adaptive Control h. MEC723- System Identification	1. MEC727 - Mechatronics Engineering Systems Design 2. ELECTIVE (Choose any TWO) a. MEC785-Machine Learning b. MEC781-Advanced Robotics c. MEC782-Advanced Control System d. MEC725-Fundamental of Network Security (CyberOps Associate) e. MEC727-Computer Networking: CCNA f. MEC726-Signal Processing g. MEC724-Adaptive Control h. MEC723- System Identification	1. MEC786 -Embedded Microprocessor and Real – Time Systems 2. MEC778- Robotic Project 1 (Dissertation) 3. ELECTIVE (Choose ONE only) a. MEC785-Machine Learning b. MEC781-Advanced Robotics c. MEC782-Advanced Control System d. MEC725-Fundamental of Network Security (CyberOps Associate) e. MEC727-Computer Networking: CCNA f. MEC726-Signal Processing g. MEC724-Adaptive Control h. MEC723- System Identification	1. MEC779- Robotic Project 2 (Dissertation) 2. MEC765- Robotics, Automation and Control