ELECTRICAL ENGINEERING (CEEE)

MASTER BY COURSEWORK

MASTER OF SCIENCE IN TELECOMMUNICATION AND INFORMATION ENGINEERING - CEEE700
DURATION OF STUDY: 1.5 - 3 YEARS/ 3 - 6 SEMESTERS
(INTAKE : MAC & OCTOBER)

Synopsis

This programme is designed to nurture capable and competent specialist in telecommunication and information engineering who uphold sustainable development philosophy of the nation through creative and innovative process of teaching and learning, research based and professional ethics to support future needs of the national and global agenda.

A student pursuing a master's degree by coursework is required to undertake two (2) semesters of taught examinable materials followed by one (1) semester of research dissertation. The courses are career-oriented and cover both theoretical background and practical design considerations.

Entry Requirement

<table>
<tr><th colspan="2">General</th></tr>
<tr><td colspan="2">Bachelor’s degree in Electrical/ Electronic Engineering or related field with minimum CGPA of 2.75 or equivalent, from UiTM or other higher learning institutions recognised by the UiTM Senate;

Related field:

Engineering and engineering trades; engineering technology; Computer Science; Computer Use; Electrical and Energy, Electronic and Automation; Military and Defence; Environmental Protection Technology; Communication; Information technology; Chemical Engineering; Mechanical Engineering; Civil Engineering

OR

Bachelor’s degree in Electrical/ Electronic Engineering or related field not meeting CGPA of 2.50, can be accepted subject to a minimum of 5 years of working experience in relevant field.

Related field:

Engineering and engineering trades; engineering technology; Computer Science; Computer Use; Electronic and Automation; Military and Defence; Environmental Protection Technology; Communication; Information technology; Chemical Engineering; Mechanical Engineering; Civil Engineering</td></tr>
<tr><th>Local</th><th>International</th></tr>
<tr><td>OR

Fulfilled the Accreditation of Prior Experiential Learning APEL A (T-7) admission process for Master’s Degree in related fields.

Related field:</td><td>Language Requirements

● TOEFL certificate with a score of at least 417-450 for (paper-based) or 107-131 (computer-based) or 35-45 (IBT); or
● IELTS certificate with at least Band 5; or
● MUET Band 3</td></tr>
</table>

Engineering and engineering trades; engineering technology; Computer Science; Computer Use; Electronic and Automation; Military and Defence; Environmental Protection Technology; Communication; Information technology; Electrical/ Electronic; Chemical Engineering; Mechanical Engineering; Civil Engineering	• Any English Language Test which is equivalent to B1 in the Common European Framework of Reference for Language (CEFR) 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.

Fee Structures

Local

FEES	TOTAL RINGGIT MALAYSIA (RM)	
	Full-time	**Part-time**
Fees for semester 1	RM 2, 298	RM 1, 538
Fees for semester 2	RM 2, 225	RM 1, 365
Fees for semester 3	RM 2, 135	RM 1, 265
Fees for semester 4		RM 1, 565
Fees for semester 5		RM 2, 075
TOTAL ESTIMATION FOR TUITION FEES	**RM 6, 658**	**RM 7, 808**

**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 5, 780
Fees for semester 2	RM 5, 670
Fees for semester 3	RM 4, 980
TOTAL ESTIMATION FOR TUITION FEES	**RM 16,430**

Programme Structures

FULL-TIME		
Year 1		Year 2
Semester 1	**Semester 2**	**Semester 3**
1. ECE730 - Advanced Data Networks 2. ECM740 - Advanced Digital Communications 3. ESE752 - Advanced Signal Processing 4. ELECTIVE (Choose ONE only) a. ECM709 - Emerging Technologies b. ECM712 - Management of Telecommunication Networks and Services c. ECM714 - Broadband Networks d. ECM715 - Optical Communications e. ECM717 - Microwave Propagation Systems f. ECM716 - Mobile and Satellite Communication Networks g. ECM719 - Management Techniques	1. ECM701 - Research Methodology 2. ECM741 - Teletraffic Engineering 3. ELECTIVE (Choose any THREE) a. ECM709 - Emerging Technologies b. ECM712 - Management of Telecommunication Networks and Services c. ECM714 - Broadband Networks d. ECM715 - Optical Communications e. ECM717 - Microwave Propagation Systems f. ECM716 - Mobile and Satellite Communication Networks g. ECM719 - Management Techniques	1. ECM702 - Telecommunication and Information Engineering Project

PART-TIME			
Year 1		**Year 2**	
Semester 1	**Semester 2**	**Semester 3**	**Semester 4**
1. ECM740 - Advanced Digital Communications 2. ESE752 - Advanced Signal Processing	1. ECE730 - Advanced Data Networks 2. ELECTIVE (Choose ONE only) a. ECM709 - Emerging Technologies b. ECM712 - Management of Telecommunication Networks and Services c. ECM714 - Broadband Networks d. ECM715 - Optical Communications e. ECM717 - Microwave Propagation Systems f. ECM716 - Mobile and Satellite Communication Networks g. ECM719 - Management Techniques	1. ELECTIVE (Choose any TWO) a. ECM709 - Emerging Technologies b. ECM712 - Management of Telecommunication Networks and Services c. ECM714 - Broadband Networks d. ECM715 - Optical Communications e. ECM717 - Microwave Propagation Systems f. ECM716 - Mobile and Satellite Communication Networks g. ECM719 - Management Techniques	1. ECM701 - Research Methodology 2. ECM741 - Teletraffic Engineering 3. ELECTIVE (Choose ONE only) a. ECM709 - Emerging Technologies b. ECM712 - Management of Telecommunication Networks and Services c. ECM714 - Broadband Networks d. ECM715 - Optical Communications e. ECM717 - Microwave Propagation Systems f. ECM716 - Mobile and Satellite Communication Networks g. ECM719 - Management Techniques

PART-TIME
Year 3
Semester 5
1. ECM702 - Telecommunication and Information Engineering Project