

Curriculum Structure for Bachelor of Electrical Engineering with Honours (Cohort 2019)

YEAR	FIRST		SECOND		THIRD		FOURTH		
SEMESTER	I	II	III	IV	V	VI	VII	VIII	
<i>Discipline Core (99 Units) (33 Courses)</i>	EET111/2 Engineering Science	EET109/3 Electronic Devices	EET204/3 Instrumentation and Measurements	EET203/4 Microcontroller Systems Design	EET301/4 Power System Engineering	EET304/3 Communication System Engineering	EET417/3 High Voltage Engineering	EET416/3 Electrical Drives	
	EET140/3 Electric Circuit I	EET110/3 Basic Computer Programming	EET205/4 Analog Electronics	EET207/3 Signals and Systems	EET302/3 Control Systems Engineering	EET307/4 Power Electronics I	EETXXX/3 Elective I	EETXXX/3 Elective III	
	EET142/2 Introduction to Electrical Engineering	***EET141/3 Electric Circuit II	EET209/4 Digital Electronics	EET208/3 Electrical Power Technology	EET303/3 Electromagnetic Theory	EET308/3 Power System Analysis	EETXXX/3 Elective II	EETXXX/3 Elective IV	
			***EET240/3 Electric Circuit III		EET306/4 Electrical Machine	EET334/1 Engineering Team Project I	***EET447/2 Engineering Team Project II		
						EET432/3 Electrical Energy Utilization	EET445/2 Final Year Project I	***EET446/4 Final Year Project II	
							EET448/3 Management for Engineers	EET442/2 Professional Engineers	
<i>Common Core (17 Units) (6 Courses)</i>	EQT101/3 Engineering Mathematics I	EQT102/3 Engineering Mathematics II	EQT203/3 Engineering Mathematics III	EQT271/3 Engineering Statistics					
		ECT111/3 Engineering Skills		UUT122/2 Skills and Technology in Communication					
<i>University Required (16 Units) (9 Courses)</i>	*UVA101/0 Preparatory English	*UVW201/2 English for General Communication		*UVW312/2 English for Technical Communication	*UVWXXX/2 Option				
	**UVW410/2 University Malay Language								
	UUW130/2 Philosophy and Current Issues				UUW322/2 Thinking Skills	UUW224/2 Engineering Entrepreneurship			
	UUW131/2 Appreciation of Ethics & Civilizations								
	UZWXXX/1 Co-curriculum	UZWXXX/1 Co-curriculum							
136	17	18	17	17	16	16	4	16	15
<i>Total Units for Graduation 136</i>									

*Compulsory and optional courses according to MUET Results

MUET	UVA101/0	UVW201/2	UVW312/2	UVWXXX/2
Band 2	Compulsory	Compulsory	Compulsory	Optional
Band 3		Compulsory	Compulsory	Optional
Band 4, 5 and 6			Compulsory	Compulsory

Band 2 & 3 students may take Option course but will graduate with 138 Credits.

***Courses with prerequisite

Course	Prerequisite
EET141/3	EET140/3
EET240/3	EET141/3
EET447/2	EET334/1
EET446/4	EET445/2

** Course specific for local or international student

Local	International
UVW410/2 University Malay Language	UVW110/2 Basic Malay Language

List of Elective Courses

Area	Course Code	Course Name	Semester Offered
Electrical Power	EET411/3	Power System Operation and Control	7
	EET412/3	Electrical Machine Design	
	EET414/3	Substation Design	
Renewable Energy and Control	EET462/3	Electrical Installation Design	8
	EET426/3	Power Electronics II	
	EET431/3	Electrical Energy System	7
	EET427/3	Industrial Electronic Control	
	EET433/3	Renewable Energy System	

