

## Curriculum Structure for Bachelor of Electrical Engineering with Honours - Cohort 2018

YEAR	FIRST		SECOND		THIRD		EIT302/4 Industrial Training	FOURTH	
SEMESTER	I	II	III	IV	V	VI		VII	VIII
Discipline Core (94 Units) (31 Courses)	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	EIT302/4 Industrial Training	EET445/2 Final Year Project I	***EET446/4 Final Year Project II
	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		***EET447/2 Engineering Team Project II	EET416/3 Electrical Drives
	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		EET417/3 High Voltage Engineering	EETXXX/3 Elective III
			***EET240/3 Electric Circuit III		EET306/4 Electrical Machine	EET432/3 Electrical Energy Utilization		EETXXX/3 Elective I	EETXXX/3 Elective IV
						EET334/1 Engineering Team Project I		EETXXX/3 Elective II	
Common Core (26 Units) (9 Courses)	EQT101/3 Engineering Mathematics I	EQT102/3 Engineering Mathematics II	EQT203/3 Engineering Mathematics III	EQT271/3 Engineering Statistics	EET448/3 Management for Engineers	EET442/2 Professional Engineers			
		ECT111/3 Engineering Skills		UUT122/2 Skills and Technology in Communication					
University Required (16 Units) (10 Courses)	UUV130/2 Philosophy and Current Issues	*UVW211/2 English for General Purposes		*UVW312/2 English for Technical Communication	*Option/2		UUV322/2 Thinking Skills	UUV224/2 Engineering Entrepreneurship	
	**UVW410/2 University Malay Language								
	UUV131/2 Appreciation of Ethics & Civilizations								
	*UVA111/0 Foundation English								
	UZWXXX/1 Co-curriculum	UZWXXX/1 Co-curriculum							
136	17	18	17	17	16	17	4	15	15
<b>Total Units for Graduation 136</b>									

\*Compulsory and optional courses according to MUET Results

MUET	UVA111/0	UVW211/2	UVW312/2	Option/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.

Update 30 Sept 2019:

UUV130 Philosophy & Current Issues replaced with UUV233/2 Islamic Civilization & Asia Civilization  
 UUV131 Appreciation of Ethics & Civilizations replaced with UUV235/2 Ethnic Relations  
 International Student will register UUV130 and UUV131  
 Management for Engineer course code changed to EET448/3 and offered in semester 5  
 Professional Engineers course code changed to EET442/2 and offered in semester 6

\*\* Course specific for local or international student

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

\*\*\*Courses with prerequisite

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

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	8
	EET462/3	Electrical Installation Design	
Renewable Energy and Control	EET426/3	Power Electronics II	7
	EET431/3	Electrical Energy System	
	EET427/3	Industrial Electronic Control	8
	EET433/3	Renewable Energy System	

## Curriculum Structure for Bachelor of Electrical Engineering with Honours (Cohort 2018)-*Previous version*

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SEMESTER	I	II	III	IV	V	VI		VII	VIII
Discipline Core (94 Units) (31 Courses)	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		EET445/2 Final Year Project I	***EET446/4 Final Year Project II
	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		***EET447/2 Engineering Team Project II	EET416/3 Electrical Drives
	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		EET417/3 High Voltage Engineering	EETXXX/3 Elective III
			***EET240/3 Electric Circuit III		EET306/4 Electrical Machine	EET432/3 Electrical Energy Utilization		EETXXX/3 Elective I	EETXXX/3 Elective IV
						EET334/1 Engineering Team Project I		EETXXX/3 Elective II	
Common Core (26 Units) (9 Courses)	EQT101/3 Engineering Mathematics I	EQT102/3 Engineering Mathematics II	EQT203/3 Engineering Mathematics III	EQT271/3 Engineering Statistics	EUT442/2 Professional Engineers	EUT444/3 Management for Engineers			
		ECT111/3 Engineering Skills		UUT122/2 Skills and Technology in Communication					
University Required (16 Units) (10 Courses)	**UJW233/2 Islamic Civilization and Asia Civilization	*UVW211/2 English for General Purposes		*UVW312/2 English for Technical Communication	*Option/2			UUW322/2 Thinking Skills	UUW224/2 Engineering Entrepreneurship
	**UVW410/2 University Malay Language								
	**UJW235/2 Ethnic Relations								
	*UVA111/0 Foundation English								
	UZWXXX/1 Co-curriculum	UZWXXX/1 Co-curriculum							
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<i>Total Units for Graduation 136</i>									

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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.

\*\* Course specific for local or international student

Local	International
UUW233/2 Islamic Civilization and Asia Civilization	UUW237/2 Malaysian Cultures
UUW235/2 Ethnic Relations	UUW239/2 Malaysian Studies
UVW410/2 University Malay Language	UVW110/2 Basic Malay Language

\*\*\*Courses with prerequisite

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