

**BACHELOR OF ELECTRICAL ENGINEERING (POWER SYSTEM) WITH HONOURS CURRICULUM STRUCTURE**

YEAR	COMPONENT	SEMESTER 1			SEMESTER 2			SEMESTER 3	
		COURSE		CREDIT HOURS	COURSE		CREDIT HOURS	COURSE	
1	University Course	UWS10103	Nationhood and Current Development of Malaysia	3	UWS10202	Ethnic Relations	2		
		UWA10102 UWA10202	Islamic Studies/Moral Studies	2	UWB10202	Effective Communication	2		
		UQ* 1**01	Co-Curriculum I	1	UQ* 1**01	Co-Curriculum II	1		
		UWB10101	*English for Academic Purposes	1	UWS 10303	**Malaysian Studies and Culture	3		
		UWB 1**02	**Malay Language	3	UWA 10302	Islamic and Asian Civilisation (TITAS)	2		
	Faculty Core Course	BWM10103	Engineering Mathematics I	3	BWM10303	Engineering Mathematics IIE	3		
		BEC 10102	Computer Programming	2					
	Programme Core Course	BEF 12403	Electric Circuit Analysis I	3	BEF 12503	Electric Circuit Analysis II	3		
		BEF 12302	Digital Techniques	2	BEF 12603	Electronic Circuit Theory	3		
	<b>Total Credit</b>		**International Student -16	<b>17</b>		**International Student - 17	<b>16</b>		
2	University Course	UWB 20302	Technical Writing	2					
		BEE 31202	Creativity and Innovation	2					
	Faculty Core Course	BWM20403	Engineering Mathematics III	3	BEE 10202	Engineer and Society	2		
		BPK20802	Entrepreneurship	2	BWM30602	Engineering Mathematics IV	2		
	Programme Core Course	BEF 22903	Engineering Electromagnetics	3	BEF 22803	Transform Circuit Analysis	3		
		BEF 23401	Electrical Engineering Laboratory I	1					
	Specialisation Course	BEF 23803	Polyphase Circuit Analysis	3	BEF 20903	Electrical Measurements	3		
					BEF 24103	Electrical Machines	3		
					BEF 24002	Electronic Instruments and Measurements	3		
					BEF 24201	Electrical Engineering Laboratory II			
	<b>Total Credit</b>			<b>16</b>		<b>16</b>			

	COMPONENT	SEMESTER 1			SEMESTER 2			SEMESTER 3		
		COURSE		CREDIT HOURS	COURSE		CREDIT HOURS	COURSE		CREDIT HOURS
3	University Course									
	Faculty Core Course				BPK 30902	Engineering Economics	2			
	Programme Core Course	BEF 32703	Electronics for Measurement and Control	3	BEB 31803	Electronic Communication Systems	3	BEE30304	Industrial Training (8 weeks)	4
		BEF 33003	Electrical Control System	3	BEF 33103	Electronic Drives and Applications	3			
					BEF 33203	Utilisation of Electrical Energy	3			
	Specialisation Course	BEF 34303	Electric Power Generation	3	BEF 34603	Electric Power Transmission and Distribution	3			
		BEF 34403	Electric Motor Drives	3	BEF 35002	Power Engineering Laboratory II	2			
		BEF 34503	Power Electronics	3						
		BEF 34702	Power Engineering Laboratory I	2						
	<b>Total Credit</b>		<b>17</b>			<b>16</b>			<b>4</b>	
4	University Course				UWB10*02	Foreign Language	2			
	Faculty Core Course	BEE 30103	Engineering Management	3						
		BWM20502	Engineering Statistics	2						
	Programme Core Course	BEE40602	Final Year Project I	2	BEE40704	Final Year Project II	4			
		BEF 43303	Power System Analysis and Protection	3						
	Specialisation Course	BEF 44903	Industrial Power Systems	3	BEF 45203	High Voltage Engineering	3			
		BEF 45102	Power Engineering Laboratory III	2	BEF 45303	Electrical Systems Design	3			
					BEF 45401	Power Engineering Laboratory IV	1			
					BEF 44803	Power Quality	2			
		<b>Total Credit</b>		<b>15</b>			<b>15</b>			
<b>TOTAL CREDIT HOURS</b>										
									<b>132</b>	

\*Exempted if MUET results more than or equal to band 3  
\*\*International student only