

CURRICULUM BRIEF
BACHELOR OF ELECTRICAL ENGINEERING WITH HONOURS
FACULTY OF ELECTRICAL AND ELECTRONIC ENGINEERING
FOUR YEARS PROGRAMME

SEMESTER I				SEMESTER II				SEMESTER III				
YEAR	CODE	COURSES	CREDIT	YEAR	CODE	COURSES	CREDIT	YEAR	CODE	COURSES	CREDIT	
1	UMA 1162	Islamic and Asian Civilizations	2	1	UMS 1122	Ethnic Relations	2					
	UMB 1011	English For Academic Purpose **	1		UMB 1042	Technical Writing	2					
	UMB 1052	Effective Communication	2		BSM 1933	Engineering Mathematic II	3					
	BSM 1913	Engineering Mathematic I	3		BEE 1212	Computer Programming	2					
	UQ* 1**4	Co-Curriculum I	1		BEE 1223	Electrical Technology	3					
	BEE 1113	Electrical Circuit Theory	3		BDA 1612	Thermodynamics	2					
	BDA 1602	Material Sciences	2		BEE 1231	Electrical Engineering Practices	1					
	BEE 1122	Computer Networks and Software	2									
Total :			16	Total :			15					
2	UMA 1132 / UMA 1142	Islamic Studies / Moral Studies	2	2	UMS 1113	Nationhood and Current Malaysia Development	3					
	UMC 1022	Creativity and Innovation	2		BSM 2922	Engineering Statistic	2					
	BSM 2913	Matematik Kejuruteraan III	3		BEE 2263	Electromagnetic Waves and Fields	3					
	UM* 1312	Foreign Language	2		BEE 2273	Electronic Devices and Applications	3					
	BEE 2113	Electronic Principles	3		BEE 2233	Digital Electronics	3					
	BEE 2123	Electrical Measurements and Instrumentations	3		BEE 2291	Electrical Engineering Lab II	1					
	BEE 2191	Electrical Engineering Lab I (BEE2113, BEE2123)	1									
Total :			16	Total :			15					
3	UQ* 1**1	Co-curriculum II	1	3	BPK 3013	Engineering Economic and Entrepreneurship	3					
	BSM 3913	Engineering Mathematic IV	3		BEE 3213	Digital Signal Processing	3					
	BEE 3113	Electrical Networks Analysis and Synthesis	3		BEE 3223	Applied Electromagnetic	3					
	BEE 3123	Communication Engineering	3		BEE 3233	Microcontroller and Microprocessor	3					
	BEE 3133	Digital System Design	3		BEE 3243	Electrical Power System	3					
	BEE 3143	Control System	3		BEE 3291	Electrical Engineering Lab IV	1					
	BEE 3191	Electrical Engineering Lab III (BEE3123, BEE3133, BEE3143)	1									
Total :			17	Total :			16					
4	BPK 4023	Engineering Management	3	4	BPK 4032	Engineers and Society	2	4	BEE 4394	Industrial Training	4	
	BEE 4113	Power Electronics	3		BEE 4213	Electrical Energy Utilisation	3					
	BEE 4123	Electrical Machines and Drives	3		BE* 42*3	Elective 2	3					
	BEE 4191	Electrical Engineering Lab V	1		BE* 42*3	Elective 3	3					
	BE* 41*3	Elective I	3		BEE 4294	Final Year Project II	4					
	BEE 4192	Final Year Project I	2									
Total:			15	Total:			15	Total :			4	
										GRAND TOTAL		129

** Students who sit for MUET and obtained at least Band 3 and achieved a pass of 50% in the English Language Placement Test are given credit exemption for UMB 1011.