

CURRICULUM BRIEF
BACHELOR OF ELECTRONIC ENGINEERING (COMPUTER 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	UWS10103	Nationhood and Current Development of Malaysia	3	1	UQ*1**01	Co-Curriculum II	1				
	UWB11202	**Malay Language	2		UWS10202	Ethnic Relations	2				
	UWA10102/	Islamic Studies /	2		UWS 10303	**Malaysian Studies and Culture	3				
	UWA10202	Moral Studies			UWB10202	Effective Communication	2				
	UQ*1**01	Co-Curriculum I	1		BWM10303	Engineering Mathematics II	3				
	UWB10101	*English For Academic Purposes	1		BEL10203	Analog Electronics	3				
	BWM10103	Engineering Mathematics I	3		BEE10403	Electrical Technology	3				
	BEC10102	Computer Programming	2		BEE10501	Electrical Engineering Practice	1				
	BEE10202	Engineer and Society	2								
	BEL10103	Electric Circuits	3								
Total :			17	Total :			15				
2	UWB20302	Technical Writing	2	2	UWA10302	Islamic and Asian Civilisation	2				
	BWM20403	Engineering Mathematics III	3		BWM30602	Engineering Mathematics IV	2				
	BPK20802	Entrepreneurship	2		BPK30902	Engineering Economy	2				
	BEL20303	Digital Electronics	3		BEB20303	Electromagnetic Fields and Waves	3				
	BEF25503	Power Systems	3		BEH22003	Instrumentation and Control Systems	3				
	BEE20801	Electronics Engineering Laboratory I	1		BEE20901	Electronics Engineering Laboratory II	1				
	BEC20602	Data Structures and Algorithms	2		BEC20702	Object Oriented Programming	2				
	Total :				16	Total :					
3	UWB10*02	Foreign Language	2	3	BEE30103	Engineering Management	3	3	BEE30304	Industrial Training	4
	BEE31202	Creativity and Innovation	2		BEB30603	Digital Signal Processing	3				
	BWM20502	Engineering Statistics	2		BEC30303	Computer Architecture and Organisation	3				
	BEB31803	Electronic Communication Systems	3		BEE31102	Electronics Engineering Laboratory IV	2				
	BEL30403	Electronics Circuit Analysis and Design	3		BEC30403	Microprocessor and Microcontroller	3				
	BEE31002	Electronics Engineering Laboratory III	2		BEC30803	Database Systems	3				
	BEC30503	Digital System Design	3								
	Total :				17	Total :					
4	BEE40602	Final Year Project I	2	4	BEE40704	Final Year Project II	4				
	BEC40903	ASIC Design	3		BEC41302	Operating Systems	2				
	BEC41003	Computer Networks	3		BEC41403	Multimedia Engineering	3				
	BEC41103	Advanced Microcontroller	3		BEC4***3	Elective II	3				
	BEC41202	Networks and Adv. Microcontroller Laborat	2		BEC4***3	Elective III	3				
	BEC4***3	Elective I	3								
	Total:				16	Total:					
										GRAND TOTAL	132

ELECTIVES COURSES

Code	Courses	Credit
BEC41503	Artificial Intelligence	3
BEC41603	Computer System Engineering	3
BEC41703	Embedded System Design	3
BEC41803	Software Engineering	3
BEC41903	Computer Security	3
BEC42003	VLSI System Design	3
BEB30603	Applied Electromagnetics	3

* Students who sit for MUET and obtained at least Band 3 are given credit exemption for UMB 10101 English For Academic Purposes.