

**CURRICULUM BRIEF  
BACHELOR OF ELECTRONIC ENGINEERING (MEDICAL ELECTRONICS) WITH HONOURS  
FACULTY OF ELECTRICAL AND ELECTRONIC ENGINEERING**

**4 YEARS PROGRAMME**

SEMESTER I				SEMESTER II				SEMESTER III			
YEAR	CODE	COURSE	CREDIT	YEAR	CODE	COURSE	CREDIT	YEAR	CODE	COURSE	CREDIT
1	UWB 1**02	**Malay Language	2	1	UWS 10303	**Malaysian Studies and Culture	3				
	UWS 10103	Nationhood and Current Development of Malaysia	3		UWB 10202	Effective Communication	2				
	UWB 10101	*English for Academic Purposes	1		UWS 10202	Ethnic Relations	2				
	UQ*1xxx1	Co-Curriculum I	1		UQ*1xxx1	Co-Curriculum II	1				
	UWA 10102/ UWA 10202	Islamic Studies/Moral Studies	2		BWM10303	Engineering Mathematics II	3				
	BWM10103	Engineering Mathematics I	3		BEL10203	Analog Electronics	3				
	BEC10102	Computer Programming	2		BEE30403	Electrical Technology	3				
	BEE10202	Engineers and Society	2		BEE30501	Engineering Practice	1				
	BEL10103	Electric Circuits	3								
<b>TOTAL</b>			<b>17</b>	<b>TOTAL</b>			<b>15</b>				
2	UWB 20302	Technical Writing	2	2	UWA 10302	Islamic and Asian Civilization	2				
	BWM20403	Engineering Mathematics III	3		BWM30602	Engineering Mathematics IV	2				
	BPK20802	Entrepreneurship	2		BPK30902	Engineering Economics	2				
	BEL20303	Digital Electronics	3		BEP20303	Electromagnetic Fields and Waves	3				
	BEK25503	Power Systems	3		BEC20202	Multimedia Technology and Application	2				
	BEE20801	Electronic Engineering Laboratory I	1		BEM22003	Instrumentation and Control Systems	3				
	BEU20103	Human Physiology	3		BEE20901	Electronic Engineering Laboratory II	1				
<b>TOTAL</b>			<b>17</b>	<b>TOTAL</b>			<b>15</b>				

SEMESTER I				SEMESTER II				SEMESTER III				
YEAR	CODE	COURSE	CREDIT	YEAR	CODE	COURSE	CREDIT	YEAR	CODE	COURSE	CREDIT	
3	UWB 1**02	Foreign Language	2	3	BEE30103	Engineering Management	3	3	BEE30304	Industrial Training (8 weeks)	4	
	BEE 31202	Creativity and Innovation	2		BEP30503	Digital Signal Processing	3					
	BWM20502	Engineering Statistics	2		BEC30303	Computer Architecture and Organisation	3					
	BEP31803	Electronic Communication Systems	3		BEC30403	Microprocessor and Microcontroller	3					
	BEL30403	Electronic Circuit Analysis and Design	3		BEE31102	Electronic Engineering Laboratory IV	2					
	BEE31002	Electronic Engineering Laboratory III	2		BEU30303	Physiological Signal and System	3					
	BEU30202	Principle of Physiological Devices	2									
<b>TOTAL</b>			<b>16</b>	<b>TOTAL</b>			<b>17</b>					
4	BEE40602	Final Year Project I	2	4	BEE40704	Final Year Project II	4					
	BEU40403	Medical Imaging	3		BEU40902	Medical Equipment Management & Safety	2					
	BEU40503	Medical Instrumentation	3		BEU41003	Medical Measurement System	3					
	BEU40602	Medical Electronic Laboratory	2		BEU41103	Biomaterial	3					
	BEU4**03	Elective I	3		BEU4**03	Elective III	3					
	BEU4**03	Elective II	3									
<b>TOTAL</b>			<b>16</b>	<b>TOTAL</b>			<b>15</b>					
											<b>TOTAL CREDIT</b>	<b>132</b>

	CODE	COURSE	CREDIT
Elective I, II & III	BEU40703	Virtual Instrumentation Design for Medical System	3
	BEU40803	Telemedicine	3
	BEU41203	BioMEMS and Medical Microdevices	3
	BEU41303	Biomedical Optics	3
	BEU41403	System Design in Rehabilitation	3
	BEU41503	Biomedical Engineering and Application	3

\* exempted if MUET's result more or equal band 3

\*\* international student only