

Cohort 2016/2017

CURRICULUM STRUCTURE - BEKG

Students are required to keep record of their obtained grades for a given subject as shown in Appendix B (Student Audit Form - BEKG) for graduation purpose.

COMPULSORY FOR LOCAL STUDENTS ONLY

* COMPULSORY FOR INTERNATIONAL STUDENTS ONLY

** OPTIONAL

TYPE COURSE	YEAR 1				YEAR 2			
	SEMESTER 1	SEMESTER BREAK	SEMESTER 2	LONG SEMESTER BREAK	SEMESTER 3	SEMESTER BREAK	SEMESTER 4	LONG SEMESTER BREAK
GENERAL CORE&PROGRAM CORE (P)	BMFG 1113 ENGINEERING MATHEMATICS I		BMCG 1013 DIFFERENTIAL EQUATIONS		BENG 2142 STATISTIC		BEKG 2452 NUMERICAL METHODS	
	BITG 1233 COMPUTER PROGRAMMING		BENG 1413 DIGITAL ELECTRONICS		BEKE 2333 ANALOGUE ELECTRONICS		BEKG 2433 ELECTRICAL SYSTEMS	
	BEKG 1123 PRINCIPLES OF ELECTRIC AND ELECTRONICS		BMCG 1523 ENGINEERING GRAPHICS AND CAD		BEKC 2433 SIGNAL AND SYSTEM		BEKP 2453 ELECTROMAGNETIC THEORY	
	BMFG 1213 ENGINEERING MATERIALS		BEKG 1233 PRINCIPLES OF INSTRUMENTATION AND MEASUREMENT		BEKP 2333 CIRCUITS ANALYSIS		BEKC 2453 COMMUNICATION SYSTEMS	
	BEKB 1131 ENGINEERING PRACTICE I		BEKB 1231 ENGINEERING PRACTICE II		BEKB 2331 ELECTRICAL ENGINEERING LABORATORY I		BMCG 2432 INTRODUCTION TO MECHANICAL ENG	
							BEKB 2431 ELECTRICAL ENGINEERING LABORATORY II	
CREDIT HOUR SEMESTER	13		13		12		14	
ELECTIVE (E)								
CREDIT HOUR SEMESTER								
UNIVERSITY COMPULSORY (W)	BLHL 1XX2 THIRD LANGUAGE		#BLHW 1702 TITAS		BLHW 2403 TECHNICAL ENGLISH		#BLHW 2712 ETHNIC RELATIONS	
	BKXX XXX1 CO-CURRICULUM I		BKXX XXX1 CO-CURRICULUM II				*BLHW 2752 MALAYSIAN CULTURE	
	** BLHL 1010 FOUNDATION ENGLISH PROGRAM (optional – for student with MUET below BAND 4)		*BLHL 1012 MALAY COMMUNICATION I					
CREDIT HOUR SEMESTER	3		3		3		2	
TOTAL CREDIT HOUR SEMESTER	16		16		15		16	

TYPE COURSE	YEAR 3				YEAR 4				
	SEMESTER 5	SEMESTER BREAK	SEMESTER 6	SPECIAL SEMESTER	SEMESTER 7	SEMESTER BREAK	SEMESTER 8		
GENERAL & PROGRAM CORE (P)	BMFG 4623 ENGINEERING ECONOMY AND MANAGEMENT		BEKE 3543 POWER ELECTRONICS	BEKU 3695 INDUSTRIAL TRAINING	BEKU 4861 ENGINEERING SEMINAR		BENG 4322 ENGINEER AND SOCIETY		
	BEKE 3533 ELECTRICAL MACHINE		BEKC 3663 INSTRUMENTATION AND CONTROL		BEKU 4792 FINAL YEAR PROJECT I		BEKU 4894 FINAL YEAR PROJECT II		
	BEKC 3523 CONTROL SYSTEMS ENGINEERING		BEKP 3653 POWER SYSTEMS AND HIGH VOLTAGE		BEKE 4753 ELECTRICAL DRIVES		BEKP 4853 ENERGY UTILIZATION AND CONSERVATION		
	BEKC 3543 MICROPROCESSOR		BEKB 3673 INTEGRATED DESIGN PROJECT		BEKP 4773 POWER SYSTEMS ANALYSIS				
	BEKU 2333 ELECTRIC CIRCUIT II				BEKG 2462 ENGINEERING MATHEMATICS AND STATISTICS				
	BEKB 3551 ELECTRICAL ENGINEERING LABORATORY III				BEKB 4761 ELECTRICAL ENGINEERING LABORATORY IV				
CREDIT HOUR SEMESTER	16		12	5	12		9		106
ELECTIVE (E)			ELECTIVE I		ELECTIVE II		ELECTIVE IV		
					ELECTIVE III				
CREDIT HOUR SEMESTER			3		6		3		12
UNIVERSITY COMPULSORY (W)	#BLHC 4032 CRITICAL AND CREATIVE THINKING		BLHW 3403 ENGLISH FOR PROFESSIONAL COMMUNICATION				BTMW 4012 ENTERPRENEUR-SHIP TECHNOLOGY		
	*BLHW 1742 MALAYSIAN STUDIES								
CREDIT HOUR SEMESTER	2	3			2	18			
TOTAL CREDIT HOUR	18	18	5	18	14	136			

ELECTIVE COURSES	CHOOSE FOUR (4) COURSES : THREE (3) COURSES FROM EITHER ONE (1) SPECIALIZATION AND ONE (1) COURSE FROM OPEN ELECTIVE		
ELECTIVE SPECIALIZATION	INDUSTRIAL POWER	CONTROL, INSTRUMENTATION & AUTOMATION	POWER ELECTRONICS & DRIVES
	BEKP 3683 DISTRIBUTION SYSTEM DESIGN	BEKC 3673 INDUSTRIAL CONTROL AND AUTOMATION	BEKE 3673 INDUSTRIAL POWER ELECTRONICS
	BEKP 4873 POWER SYSTEM PROTECTION	BEKC 4773 INTELLIGENT CONTROL SYSTEMS	BEKE 4763 MODERN ELECTRICAL DRIVES
	BEKP 4883 HIGH VOLTAGE ENGINEERING	BEKC 4683 DIGITAL CONTROL SYSTEMS	BEKE 4743 INTELLIGENT MOTOR DRIVES
	BEKP 4843 RENEWABLE ENERGY	BEKM 4863 INDUSTRIAL ROBOTICS	BEKE 4873 SPECIAL MACHINES
OPEN ELECTIVE	<ul style="list-style-type: none"> Choose ONE (1) course from the same selected Elective Specialization OR Choose ONE (1) course from any Elective Specialization OR Choose ONE (1) course from any Elective Courses from other Engineering Faculties. 		

