Curriculum Structure - BERT

	CODE	COURSE	CATEGORY	CREDIT	PRE-REQUISITE
SEMESTER 1	BELG 1013	Technical Mathematics	P	3	
	BERE 1013	Technical Physics	P	3	
	BERT 1303	Electrical Circuit Fundamental	K	3	
	BERE 1303	Engineering Workshop I	K	3	
	BLHW 2722	Malaysian Nation State Aspiration	W	2	
	BLLW 1172*	Malay Language for Communication 1			
	BLHW 1772	Philosophy and Current Issues	W	2	
	BKKX XXX1	Co-curriculum I	W	1	
TOTAL CREDITS THIS SEMESTER				**17**	
SEMESTER 2	BMIG 1023	Calculus for Technology	P	3	
	BERC 1313	Programming Fundamental	K	3	
	BERE 1313	Engineering Workshop II	K	3	
	BERT 1333**	Advanced Electrical Circuit	K	3	BERT 1303
	BERE 1323	Electronic Fundamentals	K	3	
	BERE 2373	Electrical Technology	K	3	
	BLLW 1142	English for Academic Purposes	W	2	
TOTAL CREDITS THIS SEMESTER				**20**	

* For international students

** Pre-requisite course

	CODE	COURSE	CATEGORY	CREDIT	PRE-REQUISITE
SEMESTER 3	BMKG 2033	Applied Calculus for Technology	P	3	
	BERE 2333**	Analogue Electronic Devices	K	3	BERE 1323
	BERC 2403	Digital Electronic	K	3	
	BERE 2363	Control Principles	K	3	
	BERT 2333	Communication Principle	K	3	
	BLLW 2152	Academic Writing	W	2	
TOTAL CREDITS THIS SEMESTER				**17**	
SEMESTER 4	BERG 2043	Statistical Methods	P	3	
	BERE 2353	Electronic Systems	K	3	
	BERT 2324	Data Communication & Networking	K	4	
	BERT 3403**	Digital Communication	K	3	BERT 2333
	BERT 2423	Signal & Systems	K	3	
	BLLW 1XX2	Third Language	W	2	
	BKKX XXX1	Co-curriculum II	W	1	
TOTAL CREDITS THIS SEMESTER				**19**	

** Pre-requisite course

	CODE	COURSE	CATEGORY	CREDIT	PRE-REQUISITE
SEMESTER 5	BERT 3353	Telecommunication System	K	3	
	BERC 3483	Fundamental of Microprocessor & Microcontroller	K	3	
	BERT 3363	Telecommunication Electronic	K	3	
	BERT 3373	Digital Signal Processing	K	3	
	BERT 3383	Electromagnetic	K	3	
	BTMW 4012	Technology Entrepreneurship	W	2	
	BLLW 3162	English for Professional Interaction	W	2	
TOTAL CREDITS THIS SEMESTER				**19**	
SEMESTER 6	BERU 3803	Integrated Design Project	K	3	
	BERE 4443	Quality Management	K	3	
	BERT 3393	Telecommunication Switching System	K	3	
	BERU 3764	Bachelor Degree Project I	K	4	
	BERT 3414	RF Technique & Microwave	K	4	
	BLHW 2792	Integrity and Anti-Corruption Course	W	2	
TOTAL CREDITS THIS SEMESTER				**19**	

	CODE	COURSE	CATEGORY	CREDIT	PRE-REQUISITE
SEMESTER 7	BERU 4053	Engineering Ethics & OSHE	P	3	
	BERU 4774**	Bachelor Degree Project II	K	4	BERU 3764
	BERT 48X3	Elective I	E	3	
	BERT 48X3	Elective II	E	3	
	BERT 48X3	Elective III	E	3	
	BLHC 4032	Critical and Creative Thinking	W	2	
	BLHW 2762*	Malaysian Citra			
TOTAL CREDITS THIS SEMESTER				**18**	
SEMESTER 8	BERU 48812	Industrial Training	K	12	
TOTAL CREDITS THIS SEMESTER				**12**	
TOTAL CREDITS				**141**	

* For international students

** Pre-requisite course

Credit Hour Structure

Number of credit hours regarding to course category is represented in the following table.

Category	Code	Total Credit
Programme	P	18
Course	K	82
University Compulsory	W	20
Industrial Training	K	12
Elective	E	9
GRAND TOTAL		141

List of Elective Courses

For Elective I, II and III students may choose any ONE (1) course from the following list.

CODE	COURSE
BERT 4803	Satellite Communication
BERT 4813	Mobile Communication
BERT 4823	Optical Communications & Optoelectronic
BERT 4833	Antenna Engineering
BERE 3823	Artificial Intelligence