

CURRICULUM STRUCTURE BELK

	CODE	SUBJECT	CATEGORY	CREDIT	PRE-REQUISITE
SEMESTER 1	BELG 1013	Matematik Teknikal Technical Mathematics	P	3	
	BELT 1303	Sistem Pengukuran & Instrumentasi Measurement & Instrumentation Systems	K	3	
	BELR 1313	Rekabentuk Terbantu Komputer Computer Aided Design	K	3	
	BELR 1304	Elektronik & Sistem Digital Digital Electronics & Systems	K	4	
	BELK 1303	Pengenalan Litar Elektrik Electrical Circuit Fundamental	K	3	
	BLHW 1762	Falsafah dan Isu Semasa Philosophy and Current Issue	W	2	
	BKKX XXX1	Kokurikulum I Cocurriculum I	W	1	
TOTAL CREDITS THIS SEMESTER				19	
SEMESTER 2	BMIG 1023	Kalkulus untuk Teknologi Calculus for Technology	P	3	
	BELK 1311	Bengkel Elektrik I Electrical Workshop I	K	1	
	BELK 1323	Elektrik & Kemagnetan Electrical & Magnetism	K	3	
	**BELK 1333	Litar Elektrik Lanjutan Advanced Electrical Circuits	K	3	BELK 1303
	BELR 1343	Pengaturcaraan Komputer Computer Programming	K	3	
	BELK 1453	Prinsip Elektronik Electronic Principle	K	3	
	BLLW 1142	Bahasa Inggeris untuk Akademik English for Academic Purposes	W	2	
	BLLW 1172	Bahasa Melayu Komunikasi (untuk pelajar antarabangsa) Malay Language for Communication (for international students)	W	2	
TOTAL CREDITS THIS SEMESTER					
LOCAL STUDENT				18	
INTERNATIONAL STUDENT				20	

	CODE	SUBJECT	CATEGORY	CREDIT	PRE-REQUISITE
SEMESTER 3	BMKG 2033	Kalkulus Gunaan Applied Calculus	P	3	
	BELR 2061	Seminar Kejuruteraan I Engineering Seminar I	P	1	
	**BELK 2342	Bengkel Elektrik II Electrical Workshop II	K	2	BELK 1311
	BELK 2373	Mesin Elektrik Electrical Machines	K	3	
	BELK 2364	Teknologi Elektrik Electrical Technology	K	4	
	BELR 2383	Pengenalan Sistem Kawalan Control System Fundamental	K	3	
	BKKX XXX1	Kokurikulum II Cocurriculum II	W	1	
	BLLW 1XX2	Bahasa Ketiga Third Language	W	2	
TOTAL CREDITS THIS SEMESTER				19	
SEMESTER 4	BERG 2043	Kaedah Statistik Statistical Methods	P	3	
	BELR 2373	Sistem Terbenam Embedded Systems	K	3	
	BELK 2463	Termodinamik & Pemindahan Haba Thermodynamic & Heat Transfer	K	3	
	BELK 2383	Teknologi Sistem Kuasa Power System Technology	K	3	
	BELK 3413	Elektronik Kuasa Power Electronics	K	3	
	BLLW 2152	Penulisan Akademik Academic Writing	W	2	
	***BLHX	Elektif Umum General Elective	E	2	
TOTAL CREDITS THIS SEMESTER				19	

	CODE	SUBJECT	CATEGORY	CREDIT	PRE-REQUISITE
SEMESTER 5	**BELK 3393	Sistem Kuasa Lanjutan Advanced Power System	K	3	BELK 2383
	BELK 3423	Penggerak & Pemacu Actuators & Drives	K	3	
	BELR 3413	PLC & Aplikasi PLC & Applications	K	3	
	BELK 3473	Sistem Kuasa Penjanaan & Penghantaran Power System Generation & Transmission	K	3	
	BLHW 2772	Penghayatan Etika dan Peradaban (untuk pelajar tempatan) Appreciation of Ethics and Civilisation (for local students)	W	2	
	BLHW 2752	Kebudayaan Malaysia (untuk pelajar antarabangsa) (Malaysian Culture) (for international students)			
	BELK 3403	Sistem Pengagihan Kuasa Power Distribution System	K	3	
TOTAL CREDITS THIS SEMESTER				17	
SEMESTER 6	BELK 3061	Seminar Kejuruteraan II Engineering Seminar II	P	1	
	BELU 4053	Etika Kejuruteraan & KPPP Engineering Ethics & OSHE	P	3	
	BELU 3764	Projek Sarjana Muda I Bachelor Degree Project I	K	4	
	BELK 4823	Teknologi Voltan Tinggi High Voltage Technology	K	3	
	BELK 4833	Perlindungan Sistem Kuasa Power Systems Protection	K	3	
	BLLW 3162	Bahasa Inggeris untuk Interaksi Profesional English for Professional Interaction	W	2	
	BELU 3803	Rekabentuk Projek Bersepadu Integrated Design Project	K	3	
TOTAL CREDITS THIS SEMESTER				19	

	CODE	SUBJECT	CATEGORY	CREDIT	PRE-REQUISITE
SEMESTER 7	**BELU 4774	Projek Sarjana Muda II Bachelor Degree Project II	K	4	BELU 3764
	BLHC 4032	Pemikiran Kritis dan Kreatif (untuk pelajar tempatan) Critical and Creative Thinking (for local students)	W	2	
	BTMW 4012	Keusahawanan Teknologi Technology Entrepreneurship	W	2	
	*BELX XXXX	Elektif I Elective I	E	3	
	*BELX XXXX	Elektif II Elective II	E	3	
	*BELX XXXX	Elektif III Elective III	E	3	
TOTAL CREDITS THIS SEMESTER					
LOCAL STUDENT				17	
INTERNATIONAL STUDENT				15	
SEMESTER 8	BELU 48812	Latihan Industri Industrial Training	K	12	
TOTAL CREDITS THIS SEMESTER				19	
TOTAL CREDITS				140	

For Elective I, II & III students may choose any THREE (3) subject from the list below:

No.	CODE	SUBJECT
1	BELK 4803	Operasi & Automasi Sistem Kuasa Power Systems Operation & Automation
2	BELT 3803	Sistem Tenaga Lestari Renewable Energy System
3	BELK 4863	Kualiti Kuasa Power Quality
4	BELT 4413	Kecekapan Tenaga Energy Efficiency
5	BELK 4843	Keserasian Elektromagnet Sistem Kuasa Power Systems Electromagnetic Compatibility
6	BELR 4813	Kawalan Proses Industri Industrial Process Control
7	BELK 4853	Ekonomi Sistem dan Pasaran Elektrik Electricity Market and System Economics
8	BELR 4863	Kepintaran Buatan Artificial Intelligence
9	BELR 4873	Teknologi Penyelenggaraan & Pengurusan Aset Maintenance Technology & Asset Management

*** For General elective, students may choose any ONE (1) subject from the list below:

CODE	SUBJECT NAME
BLHW 1722	Falsafah Sains dan Teknologi Philosophy of Science and Technology
BLHC 4012	Komunikasi Organisasi Organizational Communication
BLHH 1032	Psikologi Industri dan Organisasi Industrial Psychology and Organization
BLHC 4022	Kemahiran Perundingan Negotiation Skills
BLHW 2782	Sosiologi Industri Industrial Sociology