

Year	Sem	Courses	Code	Course Type	Eng. Tech. Courses	Non Eng. Tech. Course
1	1	Technical Mathematics	BELG 1013	P	3	
		Computer Aided Design	BELR 1313	K	3	
		Philosophy and Current Issue	BLHW 1762	W		2
		English for Academic Purposes	BLLW 1142	W		2
	2	Electrical Circuit Fundamental	BELK 1303	K	3	
		Academic Writing	BLLW 2152	W		2
		Electrical & Magnetism	BELK 1323	K	3	
		Co-Curriculum I	BKKXX1	W		1
	3	Calculus for Technology	BMIG 1023	P	3	
		Measurement & Instrumentation System	BELT 1303	K	3	
2	1	Digital Electronic & Systems	BELR 1304	P	4	
		Electrical Workshop I	BELK 1311	K	1	
		Critical & Creative Thinking	BLHC 4032	W		2
		Electronic Principle	BELK 1453	K	3	
	2	Embedded System	BELR2373	K	3	
		Advance Electrical Circuit	BELK 1333	K	3	
		Computer Programming	BELR 1343	K	3	
	3	Power System Technology	BELK 2383	K	3	
		Statistical Method	BERG 2043	P	3	
	3	Electrical Workshop II	BELK 2342	K	2	
		Electrical Technology	BELK 2364	K	4	
		Applied Calculus	BMKG 2033	P	3	
		Third Language	BLLW 1XX2	W		2
	2	Control System Fundamental	BELR 2383	K	3	
		Engineering Ethics and OSHE	BELU 4053	P	3	
		Engineering Seminar 1	BELR 2061	K	1	
		Co-Curriculum 2	BKKX XXX1	W		1
		English for Professional Interaction	BLLW 3162	W		2
	3	Thermodynamic & Heat Transfer	BELK 2463	K	3	
		Advance Power System	BELK 3393	K	3	

4	1	Electrical Machine	BELK 2373	K	3	
		PLC & Application	BELR 3413	K	3	
		Actuator & Drive	BELK 3423	K	3	
		Engineering Seminar II	BELK 3061	K	1	
	2	Appreciation of Ethics and Civilizations	BLHW 2772	W		2
		Integrity & Anti Corruption	BLHW 2792	W		2
		Power Electronic	BELK 3413	K	3	
		Power Distribution System	BELK 3403	K	3	
	3	Power System Generation & Transmission	BELK 3473	K	3	
		Integrated Design Project	BELU 3803	K	3	
5	1	Bachelor Degree Project I	BELU 3764	K	4	
		High Voltage Technology	BELK 4823	K	3	
		Elektif Kursus 1	BELX XXX3	E	3	
	2	Bachelor Degree Project II	BELU 4774	K	4	
		Technology Entrepreneurship	BTMW 4012	W		2
		Power System Protection	BELK 4833	K	3	
	3	Elektif Kursus 1	BELX XXX3	E	3	
		Elektif Kursus 1	BELX XXX3	E	3	
6	1	Industrial Training	BELU 48812	K	12	
SUB-TOTAL					120	20
TOTAL					140	

Table C3-1.2: Electives Courses For Elective I, II, & III, students may choose any three (3) subjects

No.	CODE	SUBJECT
1	BELK 4803	Operasi & Automasi Sistem Kuasa / Power Systems Operation & Automation
2	BELT 3803	Sistem Tenaga Diperbaharui / 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