

SUSTAINABILITY COURSES/SUBJECTS OFFERED**FACULTY OF ELECTRICAL TECHNOLOGY AND ENGINEERING (FTKE)**

No.	Course Code	Course Name	Programme	SDG
1	DELA 1113	PHYSICS	Diploma in Electrical Engineering (DEL)	4
2	DELE 1113	PRINCIPLE OF ELECTRICAL AND ELECTRONICS	Diploma in Electrical Engineering (DEL)	4
3	DELE 1123	DIGITAL ELECTRONICS	Diploma in Electrical Engineering (DEL)	4
4	DELC 1113	INSTRUMENTATION & MEASUREMENT	Diploma in Electrical Engineering (DEL)	4
5	DELP 1111	BASIC ELECTRICAL SKILLS	Diploma in Electrical Engineering (DEL)	4
6	DELE 1213	ANALOGUE ELECTRONICS	Diploma in Electrical Engineering (DEL)	4
7	DELP 1213	ELECTRICAL CIRCUIT I	Diploma in Electrical Engineering (DEL)	4
8	DMKU 1323	INTRODUCTION TO MECHANICAL SYSTEM	Diploma in Electrical Engineering (DEL)	9
9	DELP 1211	ELECTRICAL WORKSHOP	Diploma in Electrical Engineering (DEL)	9
10	DELC 1313	MICROPROCESSOR	Diploma in Electrical Engineering (DEL)	9
11	DELA 1312	SAFETY AND HEALTH FOR ENGINEERS	Diploma in Electrical Engineering (DEL)	11
12	DELA 2333	DIFFERENTIAL EQUATIONS	Diploma in Electrical Engineering (DEL)	4
13	DELE 2123	POWER ELECTRONICS	Diploma in Electrical Engineering (DEL)	4
14	DELC 2113	CONTROL SYSTEM ENGINEERING	Diploma in Electrical Engineering (DEL)	4

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15	DELE 2113	ELECTRICAL MACHINE	Diploma in Electrical Engineering (DEL)	9
16	DELP 2113	ELECTRONIC CIRCUIT II	Diploma in Electrical Engineering (DEL)	4
17	DELC 2123	AUTOMATION	Diploma in Electrical Engineering (DEL)	9
18	DELA 2342	ENGINEERING MATHEMATICS	Diploma in Electrical Engineering (DEL)	4
19	DELP 2213	POWER SYSTEM	Diploma in Electrical Engineering (DEL)	7
20	DELP 2214	DIPLOMA PROJECT	Diploma in Electrical Engineering (DEL)	4
21	DELP 2223	RENEWABLE ENERGY AND APPLICATION	Diploma in Electrical Engineering (DEL)	7
22	DELP 2233	BUILDING MAINTENANCE AND MANAGEMENT	Diploma in Electrical Engineering (DEL)	9
23	DELC 2213	INDUSTRIAL ROBOTIC	Diploma in Electrical Engineering (DEL)	9
24	BELB 1131	ENGINEERING PRACTICE I	Bachelor of Electrical Engineering (BELG)	4
25	BELG 1123	PRINCIPLES OF ELECTRICAL AND ELECTRONICS	Bachelor of Electrical Engineering (BELG)	7
26	BMIG1213	ENGINEERING MATERIALS	Bachelor of Electrical Engineering (BELG)	7
27	BELG 1213	DIGITAL ELECTRONICS	Bachelor of Electrical Engineering (BELG)	4
28	BELG 1233	PRINCIPLE OF INSTRUMENTATION AND MEASUREMENT	Bachelor of Electrical Engineering (BELG)	4
29	BELU 1123	ELECTRIC CIRCUIT 1	Bachelor of Electrical Engineering (BELG)	4

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30	BELB1231	ENGINEERING PRACTICE 2	Bachelor of Electrical Engineering (BELG)	4
31	BEKU 2333	ELECTRICAL CIRCUIT II	Bachelor of Electrical Engineering (BELG)	4
32	BEKE 2333	ANALOGUE ELECTRONICS	Bachelor of Electrical Engineering (BELG)	4
33	BEKC 2433	SIGNALS & SYSTEMS	Bachelor of Electrical Engineering (BELG)	4
34	BEKB 2331	ELECTRICAL ENGINEERING LABORATORY I	Bachelor of Electrical Engineering (BELG)	7
35	BMKU 1313	ENGINEERING GRAPHIC AND COMPUTER AIDED	Bachelor of Electrical Engineering (BELG)	4
36	BEKU 2333	ELECTRICAL CIRCUIT II	Bachelor of Electrical Engineering (BELG)	4
37	BEKE 2333	ANALOGUE ELECTRONICS	Bachelor of Electrical Engineering (BELG)	9
38	BEKC 2433	SIGNALS & SYSTEMS	Bachelor of Electrical Engineering (BELG)	4
39	BEKB 2331	ELECTRICAL ENGINEERING LABORATORY I	Bachelor of Electrical Engineering (BELG)	4
40	BMCG 2432	INTRODUCTION TO MECHANICAL ENGINEERING	Bachelor of Electrical Engineering (BELG)	9
41	BEKP 2453	ELECTROMAGNETIC THEORY	Bachelor of Electrical Engineering (BELG)	4
42	BEKC 2453	COMMUNICATION SYSTEMS	Bachelor of Electrical Engineering (BELG)	4
43	BEKB 2431	ELECTRICAL ENGINEERING LABORATORY II	Bachelor of Electrical Engineering (BELG)	4
44	BEKE 3533	ELECTRICAL MACHINE	Bachelor of Electrical Engineering (BELG)	4

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45	BEKC 3523	CONTROL SYSTEMS ENGINEERING	Bachelor of Electrical Engineering (BELG)	9
46	BEKC 3543	MICROPROCESSOR	Bachelor of Electrical Engineering (BELG)	9
47	BEKE 3543	POWER ELECTRONICS	Bachelor of Electrical Engineering (BELG)	9
48	BEKP 4773	POWER SYSTEM ANALYSIS	Bachelor of Electrical Engineering (BELG)	9
49	BEKE 4753	ELECTRICAL DRIVES	Bachelor of Electrical Engineering (BELG)	9
50	BEKC 3663	CONTROL AND INSTRUMENTATION	Bachelor of Electrical Engineering (BELG)	9
51	BEKP 4883	HIGH VOLTAGE ENGINEERING	Bachelor of Electrical Engineering (BELG)	9
52	BEKP 3673	INTERGRATED DESIGN PROJECT	Bachelor of Electrical Engineering (BELG)	9
53	BEKP 3551	ELECTRICAL ENGINEERING LABORATORY III	Bachelor of Electrical Engineering (BELG)	9
54	BEKU 4861	ENGINEERING SEMINAR	Bachelor of Electrical Engineering (BELG)	4
55	BEKU 4792	FINAL YEAR PROJECT I	Bachelor of Electrical Engineering (BELG)	4
56	BEKP 4843	RENEWABLE ENERGY	Bachelor of Electrical Engineering (BELG)	7
57	BEKU 4894	FINAL YEAR PROJECT II	Bachelor of Electrical Engineering (BELG)	4
58	BEKP 4853	ENERGY UTILIZATION AND CONSERVATION	Bachelor of Electrical Engineering (BELG)	7
59	BEKP 3683	DISTRIBUTION SYSTEM DESIGN	Bachelor of Electrical Engineering (BELG)	7

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60	BEKC 3673	INDUSTRIAL CONTROL AND AUTOMATION	Bachelor of Electrical Engineering (BELG)	9
61	BEKE 3673	INDUSTRIAL POWER ELECTRONICS	Bachelor of Electrical Engineering (BELG)	9
62	BEKP 4873	POWER SYSTEM PROTECTION	Bachelor of Electrical Engineering (BELG)	9
63	BEKC 4743	INTELLIGENT CONTROL SYSTEMS	Bachelor of Electrical Engineering (BELG)	9
64	BEKE 4763	MODERN ELECTRICAL DRIVES	Bachelor of Electrical Engineering (BELG)	9
65	BEKE 4873	ELECTRICAL MACHINE DESIGN	Bachelor of Electrical Engineering (BELG)	9
66	BEKM 4863	INDUSTRIAL ROBOTICS	Bachelor of Electrical Engineering (BELG)	9
67	BEKE 3663	POWER ELECTRONIC SYSTEMS	Bachelor of Electrical Engineering (BELG)	9
68	BMCG 1123	STATISTICS & MECHANICS OF MATERIAL	Bachelor of Electrical Engineering (BELG)	9
69	BEKU 1123	ELECTRICAL CIRCUIT I	Bachelor of Electrical Engineering (BELG)	4
70	BMCG 1253	DYNAMICS & MECHANISM	Bachelor of Electrical Engineering (BELG)	4
71	BEKB 1231	ENGINEERING PRACTICE II	Bachelor of Electrical Engineering (BELG)	4
72	BEKM 2342	INTRODUCTION TO MECHATRONICS	Bachelor of Electrical Engineering (BELG)	4
73	BMCG 2372	FLUID MECHANICS	Bachelor of Electrical Engineering (BELG)	4
74	BEKU 1231	ELECTRICAL & ELECTRONICS ENGINEERING LABORATORY	Bachelor of Electrical Engineering (BELG)	4

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75	BEKE 2422	ANALOGUE ELECTRONICS APPLICATIONS	Bachelor of Electrical Engineering (BELG)	9
76	BEKC 3533	INTRODUCTION TO CONTROL SYSTEM	Bachelor of Electrical Engineering (BELG)	9
77	BEKM 2321	MECHANICAL ENGINEERING LABORATORY	Bachelor of Electrical Engineering (BELG)	9
78	BEKM 3453	MICROCONTROLLER TECHNOLOGY	Bachelor of Electrical Engineering (BELG)	9
79	BEKM 3543	ELECTROMECHANICAL SYSTEMS	Bachelor of Electrical Engineering (BELG)	9
80	BEKC 3643	CONTROL SYSTEM ENGINEERING	Bachelor of Electrical Engineering (BELG)	9
81	BEKC 2421	CONTROL SYSTEMS LABORATORY	Bachelor of Electrical Engineering (BELG)	9
82	BEKM 3653	INTEGRATED DESIGN PROJECT	Bachelor of Electrical Engineering (BELG)	4
83	BEKC 4753	PLC & AUTOMATION	Bachelor of Electrical Engineering (BELG)	4
84	BMCG 3643	HYDRAULIC & PNEUMATIC SYSTEMS	Bachelor of Electrical Engineering (BELG)	4
85	BMCG 3653	THERMODYNAMICS & HEAT TRANSFER	Bachelor of Electrical Engineering (BELG)	9
86	BEKM 3641	MECHATRONICS ENGINEERING LABORATORY I	Bachelor of Electrical Engineering (BELG)	9
87	BEKM 4763	ROBOTICS	Bachelor of Electrical Engineering (BELG)	4
88	BEKM 4751	MECHATRONICS ENGINEERING LABORATORY II	Bachelor of Electrical Engineering (BELG)	9
89	BEKM 4783	MACHINE VISION	Bachelor of Electrical Engineering (BELG)	9

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90	BEKC 4683	DIGITAL CONTROL SYSTEMS	Bachelor of Electrical Engineering (BELG)	9
91	BEKC 4773	INTELLIGENT CONTROL SYSTEMS	Bachelor of Electrical Engineering (BELG)	9
92	BEKC 4883	ADVANCED MANUFACTURING SYSTEMS	Bachelor of Electrical Engineering (BELG)	9
93	BEKM 4823	DATA COMMUNICATIONS & COMPUTER NETWORKING	Bachelor of Electrical Engineering (BELG)	9
94	BEEU 1013	TECHNICAL MATHEMATICS	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
95	BEEY 1303	MEASUREMENT & INSTRUMENTATION SYSTEMS	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
96	BEEA 1313	COMPUTER AIDED DESIGN	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
97	BEEA 1304	DIGITAL ELECTRONICS & SYSTEMS	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
98	BEEI 1303	ELECTRICAL CIRCUIT FUNDAMENTAL	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
99	BEEU 1023	CALCULUS FOR TECHNOLOGY	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
100	BEEI 1311	ELECTRICAL WORKSHOP I	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
101	BEEI 1323	ELECTRICAL & MAGNETISM	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4

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102	BEEI 1333	ADVANCED ELECTRICAL CIRCUITS	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	9
103	BEEI 1453	ELECTRONIC PRINCIPLE	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
104	BEEU 2033	ADVANCED CALCULUS FOR TECHNOLOGY	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
105	BEEA 2061	ENGINEERING SEMINAR I	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
106	BEEI 2342	ELECTRICAL WORKSHOP II	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
107	BEEI 2373	ELECTRICAL MACHINES	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
108	BEEI 2364	ELECTRICAL TECHNOLOGY	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
109	BEEA 2383	CONTROL SYSTEM FUNDAMENTAL	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
110	BEEA 2374	EMBEDDED SYSTEMS	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
111	BEEI 2463	THERMODYNAMIC & HEAT TRANSFER	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
112	BEEI 2383	POWER SYSTEM TECHNOLOGY	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4

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113	BEEI 3413	POWER ELECTRONICS	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
114	BEEI 3393	STATISTIC METHODS	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
115	BEEI 3423	ACTIVATORS & DRIVES	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	9
116	BEEA 3414	PLC & AUTOMATION	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	9
117	BEEI 3474	POWER SYSTEM GENERATION & TRANSMISSION	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	9
118	BEEI 3061	ENGINEERING SEMINAR II	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
119	BEEU 4053	ENGINEERING ETHICS & OSHE	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
120	BEEU 3764	BACHELOR'S DEGREE PROJECT I	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	9
121	BEEI 4823	HIGH VOLTAGE TECHNOLOGY	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	9
122	BEEI 3403	POWER DISTRIBUTION SYSTEM	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	9
123	BEEI 4833	POWER SYSTEMS PROTECTION	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	9

No.	Course Code	Course Name	Programme	SDG
124	BEEI 4803	POWER SYSTEMS OPERATION & AUTOMATION	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	9
125	BEEI 4813	QUALITY IMPROVEMENT TOOLS	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	4
126	BEEY 3803	RENEWABLE ENERGY SYSTEM	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	7
127	BEEI 4863	POWER QUALITY	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	7
128	BEEY 4413	ENERGY EFFECIENCY	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	7
129	BEEI 4843	POWER SYSTEMS ELECTROMAGNETIC COMPATIBILITY	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	7
130	BEEA 4813	INDUSTRIAL PROCESS CONTROL	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	9
131	BEEI 4853	ELECTRICITY MARKET AND SYSTEM ECONOMICS	Bachelor of Electrical Engineering Technology (Industrial Power) (BEEI)	9

TOTAL COURSE: 131