

Khwaja Fareed University of Engineering & Information Technology

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Plan of Study

PROGRAM: BS ELECTRICAL TECHNOLOGY
BS-ELET-2019

Semester 1

S. No.	Course Code	Course Title	Credit Hours
1	CPEN-1114	Introduction to Computing	2
2	CPEN-1214	Introduction to Computing Lab	1
3	ELET-1100	Linear Circuit Analysis	2
4	ELET-1200	Linear Circuit Analysis Lab	1
5	ELET-1201	Engineering Drawing	2
6	ISLS-1112	Islamic Studies/Ethics	2
7	MATH-1122	Applied Mathematics-I	3
8	PHYS-1123	Engineering Physics	2
9	PHYS-1223	Engineering Physics Lab	1
Total			16

Semester 2

S. No.	Course Code	Course Title	Credit Hours
1	ELET-1110	Electrical Machines-I	2
2	ELET-1120	Electronics	2
3	ELET-1210	Electrical Machines-I Lab	1
4	ELET-1220	Electronics Lab	2
5	ENGL-1119	Communication Skills	3
6	MATH-1123	Applied Mathematics-II	3
7	MEET-1110	Basic Mechanical Technology	2
8	MEET-1210	Basic Mechanical Technology Lab	1
9	PAKS-1113	Pakistan Studies	2
Total			18

Semester 3

S. No.	Course Code	Course Title	Credit Hours
1	ELET-2111	Power Generation Systems	2
2	ELET-2113	Electrical Machines-II	2
3	ELET-2120	Electrical Instruments and Measurements	2
4	ELET-2150	Digital Electronics	2
5	ELET-2213	Electrical Machines-II Lab	1
6	ELET-2220	Electrical Instruments and Measurements Lab	2
7	ELET-2250	Digital Electronics Lab	1
8	ENGL-2111	Technical Writing and Presentation Skills	3
Total			15

Semester 4

S. No.	Course Code	Course Title	Credit Hours
1	ELET-2101	AC Circuit Analysis	2
2	ELET-2112	Electrical Power Transmission	2
3	ELET-2114	Electrical Power Distribution and Utilization	2
4	ELET-2121	Power Electronics	2
5	ELET-2130	Electromagnetic Fields	2
6	ELET-2201	AC Circuit Analysis Lab	2
7	ELET-2212	Electrical Power Transmission Lab	1
8	ELET-2214	Electrical Power Distribution and Utilization Lab	1
9	ELET-2221	Power Electronics Lab	2
10	HLTH-1113	Basic Health Awareness	2
Total			18

Semester 5

S. No.	Course Code	Course Title	Credit Hours
1	ELET-3110	Switch Gear and Protective Devices	2
2	ELET-3111	High Voltage Technology	2
3	ELET-3130	Communication Technology	2
4	ELET-3140	Control Technology	2
5	ELET-3150	Microprocessor Theory and Interfacing	2
6	ELET-3210	Switch Gear and Protective Devices Lab	1
7	ELET-3211	High Voltage Technology Lab	1
8	ELET-3230	Communication Technology Lab	2
9	ELET-3240	Control Technology Lab	1
10	ELET-3250	Microprocessor Theory and Interfacing Lab	1
11	SSCI-3120	Constitution and Legal System of Pakistan	2
Total			18

Semester 6

S. No.	Course Code	Course Title	Credit Hours
1	ELET-3112	Power System Analysis	2
2	ELET-3113	Industrial Drives and PLC	2
3	ELET-3131	Data and Computer Communication	2
4	ELET-3213	Industrial Drives and PLC Lab	2
5	ELET-3231	Data and Computer Communication Lab	2
6	ELET-3390	Project	3
7	MSCI-2110	Project Management	3
Total			16

Semester 7

S. No.	Course Code	Course Title	Credit Hours
1	ELET-4390	Supervised Industrial Training	16
Total			16

Semester 8

S. No.	Course Code	Course Title	Credit Hours
1	ELET-4391	Supervised Industrial Training	16
Total			16

Total Credit Hours Required:	133
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