

Punjab University of Technology Rasul

BS ELECTRICAL ENGINEERING TECHNOLOGY

1st Semester First Year:

S No	Course Code	Subject	Nature	Credit Hours		Weekly Contact Hours	
				Theory	Practical	Theory	Practical
1	EH-112	Islamic Studies / Professional Ethics	Humanities	2	0	2	0
2	ES-113	Applied Mathematics-I	Natural Science/ Math	3	0	3	0
3	ES-123	Applied Physics	Natural Science /Physics	2	1	2	3
4	ET-114	Linear Circuits Analysis	Major based Breadth	2	1	2	3
5	ET-123	Engineering Drawing	Engineering Foundation	1	2	1	6
6	ES-133	Introduction to Computer Fundamentals	Computer Science	1	2	1	6
Total				11	06	11	18
Grand Total				11+06=17		11+18=29	

2nd Semester First Year:

S No	Course Code	Subject	Nature	Credit Hours		Weekly Contact Hours	
				Theory	Practical	Theory	Practical
1	EH-123	Communication Skills	Humanities / English	3	0	3	0
2	EH-132	Pakistan Studies	Humanities	2	0	2	0
3	ET-134	Electronics	Major based Breadth	2	2	2	6
4	ET-143	Basic Mechanical Technology	Engineering Foundation	2	1	2	3
5	ES-143	Applied Mathematics – II	Natural Science / Math	3	0	3	0
6	ET-153	Electrical Machines – I	Major based Breadth	2	1	2	3
Total				14	04	14	12
Grand Total				14+04=18		14+12=26	

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3rd Semester Second Year:

S No	Course Code	Subject	Nature	Credit Hours		Weekly Contact Hours	
				Theory	Practical	Theory	Practical
1	ET-212	Power Generation Systems	Engineering Foundation	2	0	2	0
2	EH-213	Technical Report Writing	Humanities / English	3	0	3	0
3	ET-224	Electrical Instruments and Measurements	Major based Breadth	2	2	2	6
4	ET-234	Electrical Machines - II	Major based Depth	2	2	2	6
5	ET-244	Digital Electronics	Major based Breadth	2	2	2	6
Total				11	06	11	18
Grand Total				11+06=17		11+18=29	

4th Semester Second Year:

S No	Course Code	Subject	Nature	Credit Hours		Weekly Contact Hours	
				Theory	Practical	Theory	Practical
1	ET-254	AC Circuits Analysis	Major based Depth	2	2	2	6
2	ET-262	Electro-Magnetic Fields	Major based Depth	2	0	2	0
3	ET-273	Electrical Power Transmission	Major based Depth	2	1	2	3
4	ET-283	Electrical Power Distribution and Utilization	Major based Depth	2	1	2	3
5	ET-294	Power Electronics	Major based Depth	2	2	2	6
Total				10	06	10	18
Grand Total				10+06=16		10+18=28	

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5th Semester Third Year:

S No	Course Code	Subject	Nature	Credit Hours		Weekly Contact Hours	
				Theory	Practical	Theory	Practical
1	ET-313	Micro-Processor Theory & Interfacing	Major based Depth	2	1	2	3
2	ET-323	Switch Gear & Protective Devices	Major based Depth	2	1	2	3
3	ET-334	Communications Technology	Major based Depth	2	2	2	6
4	ET-343	Control Technology	Major based Depth	2	1	2	3
5	EM-312	Total Quality Management	Management Science	2	0	2	0
6	ET-353	High Voltage Technology	Major based Depth	2	1	2	3
Total				12	06	12	18
Grand Total				12+06=18		12+18=30	

6th Semester Third Year:

S No	Course Code	Subject	Nature	Credit Hours		Weekly Contact Hours	
				Theory	Practical	Theory	Practical
1	EM-323	Project Management	Management Science	3	0	3	0
2	ET-362	Power System Analysis	Major based Depth	2	0	2	0
3	ET-374	Data & Computer Communication	Major based Depth	2	2	2	6
4	ET-384	Industrial Drives & PLC	Major based Depth	2	2	2	6
5	ET-393	Project	Major based Depth	0	3	0	9
Total				09	07	09	21
Grand Total				09+07=16		09+21=30	

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6th Semester Third Year Summer Project Work:

S. No	Course Code	Subject	Credit Hours		Contact Hours	
			Theory	Practical	Theory	Practical
1	ET-3103	Project (Continue)	0	03	0	09
Grand Total			00+ 03 = 03		00 + 09 = 09	

7th Semester Fourth Year:

S. No	Course Code	Subject	Credit Hours		Contact Hours	
			Theory	Practical	Theory	Practical
1	ET-4116	16 Weeks Supervised Industrial / Field Training (8x5=40Hrs / Week)	0	16	0	40x16 =640
Total			00	16	0	640
Grand Total			00+ 16 = 16		00 + 640 = 640	

8th Semester Fourth Year:

S. No	Course Code	Subject	Credit Hours		Contact Hours	
			Theory	Practical	Theory	Practical
1	ET-4216	16 Weeks Supervised Industrial / Field Training (8x5=40Hrs / Week)	0	16	0	40x16 =640
Total			0	16	00	640
Grand Total			00+ 16 = 16		00+ 640 = 640	

Summary:

BSc Electrical Engineering Technology		
Semester	Credit Hours	
	Theory	Practical
1 st	09	07
2 nd	12	06
3 rd	11	06
4 th	12	06
5 th	12	06
6 th	09	07
6 th Summer	00	03
7 th	00	16
8 th	00	16
Total	65	73
G. Total	138	