

Punjab Tianjin University of Technology

Curriculum - Bachelor in Electrical Engineering Technology

Semester I				
No.	Subject	Theory	Practical	Credit hours
1	Advance Mathematics - I	4	0	4
2	Computing Applications	3	1	4
3	Functional English	3	0	3
4	Pakistan Studies	2	0	2
5	Technical Drawing	1	3	4
6	Compendium of Electrical Engineering	2	0	2
Total Credit Hours				19
Semester II				
No.	Subject	Theory	Practical	Credit hours
1	Advance Mathematics - II	4	0	4
2	Physics - I	3	1	4
3	Islamiyat	2	0	2
4	Engineering Mathematics - I	3	0	3
5	Technical Drawing - I	1	3	4
6	Introduction to Mechanical Engineering	2	0	2
Total Credit Hours				19
Semester III				
No.	Subject	Theory	Practical	Credit hours
1	Physics - II	3	1	4
2	Engineering Mathematics - II	3	0	3
3	English Comprehension & Composition	3	0	3
4	Circuit Theory - I	3	1	4
5	Engineering Training	0	2	2
Total Credit Hours				16
Semester IV				
No.	Subject	Theory	Practical	Credit hours
1	Circuit Theory - II	3	1	4
2	Digital Logic Design	3	1	4
3	Analog Electronics	3	1	4
4	Power generation & Utilization	3	0	3
5	Electrical CAD	0	2	2
6	Electronics Practice	0	3	3
Total Credit Hours				20
Semester V				
No.	Subject	Theory	Practical	Credit hours
1	Electrical Machines	3	1	4
2	Control Theory	3	1	4
3	Measurements & Sensor	2	2	4
4	Electrical Techniques	2	2	4
5	PLC Technologies & Utilization	2	2	4
Total Credit Hours				20
Semester VI				
No.	Subject	Theory	Practical	Credit hours
1	Power Electronics	3	1	4
2	Motion Control Technologies	3	1	4
3	Networking & Communication Technologies	3	1	4
4	Process Control & Instruments	3	1	4
5	Power System Techniques	4	0	4
Total Credit Hours				20

Semester VII				
No.	Subject	Theory	Practical	Credit hours
1	Engineering Training 20 (0-20)	0	20	20
Total Credit Hours				20
Semester VIII				
No.	Subject	Theory	Practical	Credit hours
1	Technical Internship	0	4	4
2	Project Design	0	10	10
Total Credit Hours				14
Program Total Credit Hours				148