

Scheme of Studies

BSc Electrical Engineering Technology

Semester 1		
PST-321	Pakistan Studies	2(2-0)
MTH-323	Calculus and Analytical Geometry	3(3-0)
PHY-321	Applied Physics	3(2-1)
EET-301	Information and Communication Technology	3(2-1)
EET-303	Electrical Workshop	2(0-2)
EET-305	Communication Skillsfor Technologists	3(3-0)
ISL-311*	Translation of the Holy Quran-I	1(1-0)
Semester 2		
ISL-321	Islamic Studies / Social Ethics	2(2-0)
MTH-326	Differential Equations	3(3-0)
ACH-321	Applied Chemistry	3(2-1)
CSI-312	Computer Programming	2(1-1)
EET-302	Linear Circuit Analysis	3(2-1)
EET-304	Environment, Health and Electrical Safety	1(1-0)
EET-308	Economics for Technologists	3(3-0)
Semester 3		
MTH-424	Linear Algebra	3(3-0)
EET-401	Professional Ethics	2(2-0)
EET-403	Technical Drawing	1(0-1)
EET-405	Electronic Devices and Circuits	3(2-1)
EET-407	Logic Circuits and Applications	3(2-1)
EET-409	Technical Report Writing	3(3-0)
EET-411	Electrical Network Analysis	3(2-1)
ISL-411*	Translation of the Holy Quran-II	1(1-0)
Semester 4		
MET-422	Thermodynamics for Technologists	2(1-1)
EET-402	Instrumentation and Measurements	3(2-1)
EET-404	Electrical Machines	3(2-1)
EET-406	Electrical Power Transmission	3(2-1)
EET-408	Micro-Controller Systems	2(1-1)
EET-410	Signals and Systems	2(1-1)
Semester 5		
EET-501	Control Technology	3(2-1)
EET-503	Communication Systems	3(2-1)
EET-511	Electrical Power Distribution and Utilization	2(1-1)
EET-xxx	Elective-I	3(2-1)
EET-xxx	Elective-II	3(2-1)
EET-513	Project Part-1	3(0-3)
ISL-511*	Translation of the Holy Quran-III	1(1-0)
Semester 6		
MET-522	Mechanics for Technologists	2(1-1)
EET-512	Technical Project Management	3(3-0)
EET-xxx	Elective-III	3(2-1)
EET-xxx	Elective-IV	3(2-1)

EET-xxx	Elective-V	3(2-1)
EET-514	Project Part-II	3(0-3)
Semester 7		
EET-631	Supervised Industrial Training (Optional)	16(0-16)
OR		
BAM-601	Entrepreneurship	3(3-0)
EET-xxx	Elective-VI	3(2-1)
EET-xxx	Elective-VII	3(2-1)
EET-xxx	Elective-VIII	3(2-1)
EET-xxx	Elective-IX	3(2-1)
EET-625	Introduction to Data Science	2(1-1)
ISL-611*	Translation of the Holy Quran-IV	1(1-0)
Semester 8		
EET-632	Supervised Industrial Training (Compulsory)	16(0-16)
*Audit Course		
Note: The Industrial training performance assessment will be based on		
<ol style="list-style-type: none"> 1. On the job Trainer's Report = 20% 2. Training Advisor Report = 10% 3. Industrial Training Report = 50% <ol style="list-style-type: none"> a. Training Advisor = 30% b. External Examiner = 20% 4. Viva voce = 20% (Training Advisor/ External Examiner) 		
Elective Courses		
EET-505	High Voltage Technology	3(2-1)
EET-507	Introduction to Embedded Systems	3(2-1)
EET-509	Switchgear and Protective Devices	3(2-1)
EET-502	Industrial Drives and PLC	3(2-1)
EET-504	Power Electronics	3(2-1)
EET-506	Power Generation Technology	3(2-1)
EET-508	Electrical Safety	3(2-1)
EET-510	Renewable Energy Technologies	3(2-1)
EET-601	Energy Conservation and Auditing	3(2-1)
EET-603	Electrical Appliances Repair	3(2-1)
EET-605	Smart Grid Technology	3(2-1)
EET-607	Fiber Optics Technology	3(2-1)
EET-609	Sensor Networks	3(2-1)
EET-611	Machine Repair and Maintenance	3(2-1)
EET-613	Electrification Technology	3(2-1)
EET-615	Integrated Circuits Technology	3(2-1)
EET-617	Mobile Phone Assembly and Repair	3(2-1)
EET-619	Automobile and Electric Vehicle Technologies	3(2-1)
EET-621	Telecommunication Systems Technology	3(2-1)
EET-623	Wireless Technology	3(2-1)