

Course Structure

Semester	Subjects	Total Credit
1st	Applied Physics, Basic Electrical Circuits, Calculus I, Computer Programming, Electrical Installation Practice & Safety, Basic Engineering Drawing, Engineering Workshop	17
2nd	Algebra and Geometry, Basic Mechanical Engineering, Communication Techniques, Electrical Engineering Material, Electronic Devices, Network Theory	18
3rd	Calculus II, Digital Logic, Electrical Machine I, Electromagnetic Fields and Waves, Electronic Circuits, Instrumentation	18
4th	Applied Mathematics, Control System, Electrical Machine II, Microprocessors, Numerical Methods, Transmission and Distribution Systems	17
5th	Control System Design, Electrical Machine Design, Engineering Economics, Power Electronics, Power System Analysis, Signals and Systems	17
6th	Engineering Management, High Voltage Engineering, Elective I, Probability and Statistics, Switch Gear and Protection, Utilization of Electrical Energy	18
7th	Modern Communication System, Elective II, Power Plant Technology, Renewable Energy and Grid Integration, Research Methodology, Transmission and Distribution Design	17
8th	Elective III, Internship, Major Project	12
Total Credit		134