1st Semester:

- Engineering Mathematics-I
- Engineering Chemistry
- Principles of Electrical Engineering.
- Engineering. Graphics
- Environmental Science & Pollution Control
- Essential of IT

2nd Semester:

- Communication Skills
- Engineering Physics
- Engineering Mathematics-II
- Engineering Mechanics
- Basic Electronics
- Electrical Workshop Practice

3rd Semester:

- Circuit Theory & Networks
- Electrical Measurements and Measuring Instruments
- Electronic Devices and Circuits
- Electrical & Electronic Materials
- Engineering Mathematics-III
- Object Oriented Programming Methodology

4th Semester:

- Electrical machine I
- Power System –I
- Analog Digital Communication
- Digital Electronics and logic design
- Network analysis & synthesis
- Computer programming

5th Semester:

- Electrical Machine-II
- Power System -II
- Microprocessors & Interfacing

- Electromagnetic Field Theory
- Electronic Instrumentation
- Electrical Engineering Simulation Lab I

6th Semester:

- Linear control systems
- Power system III
- Power electronics
- High voltage engineering
- Signal and systems
- Electrical engineering simulation Lab II
- Minor project

7th Semester:

- Electrical drives
- Computer aided protection
- Special electrical machine & design
- Elective I
- Elective II
- Major project
- Industrial training

8th Semester:

- Advanced electrical drives
- Utilization of electrical power
- Elective III
- Elective IV
- Major project

Elective I

- SCADA systems and applications
- Calibration and testing of electrical equipments
- Power system reliability

Elective II

- Energy Management & Audit
- Power quality and industrial application
- Advanced power system protection

Elective III

- Advanced power system
- Generalized Theory of Electrical Machines
- Industrial instrumentation

Elective IV

- EHV AC and DC Transmission
- HVDC
- Renewable and Non-conventional Energy Systems