

Electrical & Electronic Engineering

Bangladesh University of Engineering and Technology

CORE: EEE

01	EEE	Electrical Circuits 1
02	EEE	Electrical Circuits 2 (with Sessional)
03	EEE	Electrical Circuit Simulation Sessional
04	EEE	Electronics 1
05	EEE	Electronic Circuit Simulation Sessional
06	EEE	Energy Conversion 1
07	EEE	Energy Conversion 2 (with Sessional)
08	EEE	Electronics 2 (with Sessional)
09	EEE	Engineering Electromagnetics
10	EEE	Numerical Technique Sessional
11	EEE	Continuous Signals and Linear Systems
12	EEE	Digital Electronics (with Sessional)
13	EEE	Poser System 1 (with Sessional)
14	EEE	Electrical Properties of Materials
15	EEE	Electrical Services Design Sessional
16	EEE	Communication Theory (with Sessional)
17	EEE	Digital Signal Processing 1 (with Sessional)
18	EEE	Microprocessor and Interfacing (with Sessional)
19	EEE	Solid State Devices
20	EEE	Control System 1 (with Sessional)
21	EEE	Project and Thesis 1
22	EEE	Project and Thesis 2

CORE: SCIENCE AND TECHNOLOGY

01	MATH	Differential and Integral Calculus
02	MATH	Vector Analysis and Complex Variable
03	MATH	Ordinary and Partial Differential Equations
04	MATH	Linear Algebra
05	MATH	Statistics and Probability
06	PHY	Wave and Oscillations, Optics and Thermal Physics (with Sessional)
07	PHY	Electricity and Magnetism, Modern Physics and Mechanics (with Sessional)
08	CHE	Introduction to Chemistry
09	CHE	Inorganic and Quantitative Analysis Sessional
10	CSE	Computer Programming (with Sessional)
11	ME	Mechanical Engineering Fundamentals (with Sessional)
12	IPE	Industrial Management
12	CE	Engineering Drawing Sessional

ELECTIVES: ELECTRICAL POWER (Any Seven Courses)

01	EEE	Power System 2
02	EEE	Energy Conversion 3
03	EEE	Power Electronics (with Sessional)
04	EEE	Power Plant Engineering
05	EEE	Poser System Protection (with Sessional)
06	EEE	Poser System Reliability
07	EEE	Poser System Operation and Control
08	EEE	High Voltage Engineering (with Sessional)

ELECTIVES: ELECTRONIC (Any Seven Courses)

01	EEE	Analog Integrated Circuits
02	EEE	Processing and Fabrication Technology
03	EEE	Compound Semiconductor and Hetero-junction Devices
04	EEE	VLSI 1 (with Sessional)
05	EEE	VLSI 2 (with Sessional)
06	EEE	Optoelectronics
07	EEE	Semiconductor Device Theory
ELECTIVES: COMMUNICATION (Any Seven Courses)		
01	EEE	Random Signals and Processes
02	EEE	Digital Signal Processing 2
03	EEE	Microwave Engineering (with Sessional)
04	EEE	Optical Fiber Communication
05	EEE	Digital Communication (with Sessional)
06	EEE	Mobile Cellular Communication
07	EEE	Telecommunication Engineering
ELECTIVES: COMPUTER (Any Seven Courses)		
01	EEE	Microprocessor System Design (with Sessional)
02	EEE	Real Time Computer System
03	CSE	Computer Networks (with Sessional)
04	CSE	Computer Architecture
05	CSE	Multimedia Communication
ELECTIVES: INTERDISCIPLINARY (Any One Course)		
01	EEE	Control System 2 (with Sessional)
02	EEE	Numerical Methods (with Sessional)
03	EEE	Biomedical Instrumentation (with Sessional)
04	EEE	Measurement and Instrumentation