

Electrical, Electronic & Communication Engineering

Military Institute of Science and Technology

CORE: EECE

01	EECE	Electrical Circuits 1
02	EECE	Electrical Circuits and Simulation Sessional
03	EECE	Electrical Circuits 2
04	EECE	Electrical Circuits and Simulation Sessional
05	EECE	Electronics 1
06	EECE	Electronics Circuit and Simulation Sessional
07	EECE	Electrical Machines 1 / Energy Conversion 1
08	EECE	Electrical Machines 2 / Energy Conversion 2 (with Sessional)
09	EECE	Electronics 2
10	EECE	Electronics Circuit and Simulation Sessional
11	EECE	Engineering Electromagnetic
12	EECE	Numerical Technique Sessional
13	EECE	Continuous Signals and Linear Systems
14	EECE	Digital Electronics (with Sessional)
15	EECE	Power System 1 (with Sessional)
16	EECE	Electrical Measurement, Instrumentation and Sensors (with Sessional)
17	EECE	Electrical Properties of Material
18	EECE	Electrical Service Design and CAD Sessional
19	EECE	Microprocessors and Interfacing (with Sessional)
20	EECE	Communication Theory (with Sessional)
21	EECE	Digital Signal Processing 1 (with Sessional)
22	EECE	VLSI 1 (with Sessional)
23	EECE	Solid State Devices
24	EECE	Control System 1 (with Sessional)
25	EECE	Industrial Training
26	EECE	Capstone Project and Thesis 1
27	EECE	Capstone Project and Thesis 2

CORE: SCIENCE AND TECHNOLOGY

01	MATH	Differential and Integral Calculus
02	MATH	Vector Analysis, Matrices and Geometry
03	MATH	Ordinary and Partial Differential Equation
04	MATH	Complex Variables and Statistics
05	PHY	Waves and Oscillation, Optics and Thermal Physics (with Sessional)
06	PHY	Electricity and Magnetism, Modern Physics and Mechanics (with Sessional)
07	CHE	Chemistry 1
08	CHE	Inorganic and Quantitative Analysis Sessional
09	CSE	Computer Programming (with Sessional)
10	ME	Fundamental of Mechanical Engineering (with Sessional)
11	IPE	Industrial Management

ELECTIVES: ELECTRICAL POWER (Any Six Courses)

01	EECE	Power System 2
02	EECE	Power Electronics (with Sessional)
03	EECE	Power Plant Engineering
04	EECE	Power System Protection (with Sessional)
05	EECE	High Voltage Engineering (with Sessional)
06	EECE	Power System Reliability

07	EECE	Power System Operation and Control
08	EECE	Electrical Machines 3 / Energy Conversion 3
ELECTIVES: ELECTRONICS (Any Six Courses)		
01	EECE	Processing and Fabrication Technology
02	EECE	Analog Integrated Circuits
03	EECE	Compound Semiconductor and Hetero-junction Devices
04	EECE	VLSI 2 (with Sessional)
05	EECE	Optoelectronics
06	EECE	Semiconductor Device Theory
07	EECE	Power Electronics (with Sessional)
ELECTIVES: COMMUNICATION (Any Six Courses)		
01	EECE	Telecommunication Engineering
02	EECE	Digital Signal Processing 2
03	EECE	Microwave Engineering (with Sessional)
04	EECE	Optical Fiber Communication
05	EECE	Digital Communication (with Sessional)
06	EECE	Mobile Cellular Communication
07	EECE	Random Signals and Processes
08	EECE	Satellite Communication (with Sessional)
09	EECE	Communications Network (with Sessional)
ELECTIVES: INTERDISCIPLINARY (Any One Course)		
01	EECE	Control System 2 (with Sessional)
02	EECE	Numerical Methods (with Sessional)
03	EECE	Biomedical Instrumentation (with Sessional)
04	EECE	Radar Engineering (with Sessional)
05	EECE	Sonar and Underwater Engineering (with Sessional)
06	EECE	Electronic Warfare (with Sessional)
07	EECE	Avionics Engineering (with Sessional)
08	EECE	Biomedical Signal Processing (with Sessional)
09	CSE	Microprocessor System Design (with Sessional)