

Civil Engineering		
Military Institute of Science and Technology		
CORE: CE		
01	CE	Analytical Mechanics
02	CE	Fluid Mechanics (with Sessional)
03	CE	Mechanics of Solids 1 (with Sessional)
04	CE	Mechanics of Solids 2 (with Sessional)
05	CE	Engineering Materials (with Sessional)
06	CE	Principle of Soil Mechanics
07	CE	Numerical Methods for Engineering
08	CE	Surveying and Spatial Information Engineering
09	CE	Practical Surveying
10	CE	Quantity Surveying
11	CE	Structural Analysis and Design 1
12	CE	Structural Analysis and Design 2
13	CE	Design of Concrete Structure 1 (with Sessional)
14	CE	Design of Concrete Structures 2 (with Sessional)
15	CE	Design of Steel Structures (with Sessional)
16	CE	Highway Materials, Pavement Design and Railways (with Sessional)
17	CE	Details of Construction
18	CE	GIS and Remote Sensing
19	CE	Engineering Geology and Geomorphology (with Sessional)
20	CE	Foundation Engineering
21	CE	Open-Channel Hydraulics (with Sessional)
22	CE	Hydrology and Irrigation Engineering
23	CE	Environmental Engineering 1 (with Sessional)
24	CE	Environmental Engineering 2 (with Sessional)
25	CE	Fundamentals of Transportation Engineering
26	CE	Civil Engineering Drawing
27	CE	Computer Aided Drawing
28	CE	Civil Engineering Students Internship
CORE: SCINECT AND TECHNOLOGY		
01	MATH	Differential and Integral Calculus
02	MATH	Differential Equations, Matrix
03	MATH	Vector Analysis, Laplace Transform, Coordinate Geometry
04	MATH	Applied Mathematics for Engineers
05	PHY	Waves and Oscillation, Optics, and Modern Physics (with Sessional)
06	PHY	Structure of Matter, Heat and Temperature, Kinetics and Kinematics (with Sessional)
07	CHE	Fundamentals Chemistry (with Sessional)
08	CHE	Environmental Chemistry (with Sessional)
09	CSE	Computer Programming Sessional
10	CSE	Engineering Computations Sessional
11	EECE	Basic Electrical Technology
12	ME	Workshop Technology Sessional
13	ARCH	Architectural, Engineering and Planning Appreciation
ELECTIVE: STRUCTURAL ENGINEERING (Can Choose)		
01	CE	Advanced Solid Mechanics
02	CE	Introduction to Finite Element Method
03	CE	Dynamics of Structures
04	CE	Seismic Design of Structures
05	CE	Design of Steel-Concrete Composite Structure
06	CE	Design of Concrete Structure 3
07	CE	Prestressed Concrete
08	CE	Structural Safety
09	CE	Bridge Design Sessional
ELECTIVE: ENVIRONMENTAL ENGINEERING (Can Choose)		
01	CE	Natural Resources and Renewable Energy
02	CE	Solid and Hazardous Waste Management
03	CE	Environmental Pollution and Management
04	CE	Climate Change and Disaster Management
05	CE	Environmental Impact Assessment and Sustainability
06	CE	Design of Water Supply, Sanitation and Sewerage System

ELECTIVE: GEOTECHNICAL ENGINEERING (Can Choose)		
01	CE	Earth Retaining Structures
02	CE	Elementary Soil Dynamics
03	CE	Soil-Water Interaction
04	CE	Numerical Methods in Geo-technics
05	CE	Foundation Design Sessional
ELECTIVE: TRANSPORTATION ENGINEERING (Can Choose)		
01	CE	Traffic Engineering Design and Management
02	CE	Pavement Management, Drainage and Airport Engineering
03	CE	Urban Transportation Planning and Management
04	CE	Intelligent Transportation System
05	CE	Railway Engineering
06	CE	Traffic Studies and Pavement Design Sessional
ELECTIVE: WATER RESOURCE ENGINEERING (Can Choose)		
01	CE	Groundwater Engineering
02	CE	Flood Mitigation and Management
03	CE	River Engineering
04	CE	Hydraulic Structures
05	CE	Coastal Engineering
06	CE	Hydraulic Structures Design Sessional