

Computer Science and Engineering

Military Institute of Science and Technology

CORE: CSE

01	CSE	Introduction to Computer Systems Sessional
02	CSE	Discrete Mathematics
03	CSE	Numerical Methods Sessional
04	CSE	Theory of Computation
05	CSE	Mathematical Analysis for Computer Science
06	CSE	Structured Programming Language (with Sessional)
07	CSE	Object Oriented Programming (with Sessional)
08	CSE	Data Structures and Algorithms 1 (with Sessional)
09	CSE	Data Structures and Algorithms 2 (with Sessional)
10	CSE	Advanced Programming Language Sessional
11	CSE	Digital Electronics and Pulse Technique (with Sessional)
12	CSE	Digital Logic Design (with Sessional)
13	CSE	Computer Architecture
14	CSE	Microprocessors, Micro-controllers, Assembly Language (with Sessional)
15	CSE	Computer Interfacing (with Sessional)
16	CSE	Digital System Design (with Sessional)
17	CSE	Operating System (with Sessional)
18	CSE	Database Management Systems (with Sessional)
19	CSE	Computer Graphics (with Sessional)
20	CSE	Compiler (with Sessional)
21	CSE	Computer Security
22	CSE	Computer Network (with Sessional)
23	CSE	Data Communication (with Sessional)
24	CSE	Artificial Intelligence (with Sessional)
25	CSE	Human Computer Interaction (with Sessional)
26	CSE	Information System Design and Development (with Sessional)
27	CSE	Software Engineering
28	CSE	Integrated Design Project / Capstone Project 1
29	CSE	Integrated Design Project / Capstone Project 2
30	CSE	Industrial Training
31	CSE	Thesis 1
32	CSE	Thesis 2

CORE: SCIENCE AND TECHNOLOGY

01	MATH	Differential and Integral Calculus
02	MATH	Ordinary and Partial Differential Equations, Coordinate Geometry
03	MATH	Vector Analysis, Matrices, Fourier Analysis
04	MATH	Complex Variable, Laplace Transform, Statistics
05	PHY	Wave and Oscillation, Optics and Laser, Electricity and Magnetism (with Sessional)
06	CHE	Chemistry
07	EECE	Electrical Circuit Analysis (with Sessional)
08	EECE	Electronic Devices and Circuits (with Sessional)
09	EECE	Electrical Drives and Instrumentation (with Sessional)
10	ME	Basic Mechanical Engineering
11	CE	Engineering Drawing and CAD Sessional
12	CE	Engineering Management and Ethics
13	SHOP	Workshop Practice Sessional

ELECTIVE 1 (Any One Course)		
01	CSE	Applied Statistics and Queuing Theory
02	CSE	Advanced Algorithms
03	CSE	Basic Graph Theory
04	CSE	Fault Tolerant System
05	CSE	Basic Multimedia Theory
06	CSE	Digital Image Processing
07	CSE	Object Oriented Software Engineering
08	CSE	Artificial Neural Networks and Fuzzy Systems
09	CSE	Distributed Algorithms
10	CSE	Bioinformatics
11	CSE	Robotics
12	CSE	Telecommunication Engineering
ELECTIVE 2 (Any One Course)		
01	CSE	VLSI Design (with Sessional)
02	CSE	Machine Learning (with Sessional)
03	CSE	Pattern Recognition (with Sessional)
04	CSE	Digital Signal Processing (with Sessional)
05	CSE	Mobile and Ubiquitous Computing (with Sessional)
06	CSE	Simulation and Modeling (with Sessional)
07	CSE	Data Ware-housing and Data Mining (with Sessional)
08	CSE	Natural Language Processing (with Sessional)
09	CSE	Advanced Data Base Systems (with Sessional)