

# Computer Science and Engineering

Bangladesh University of Engineering and Technology

CORE: CSE		
01	CSE	Introduction to Computer Systems
02	CSE	Discrete Mathematics
03	CSE	Structured Programming Language (with Sessional)
04	CSE	Object Oriented Programming (with Sessional)
05	CSE	Data Structure (with Sessional)
06	CSE	Digital Logic Design (with Sessional)
07	CSE	Algorithms (with Sessional)
08	CSE	Digital Electronics and Pulse Techniques (with Sessional)
09	CSE	Theory of Computation
10	CSE	Assembly Language Programming Sessional
11	CSE	Technical Writing and Presentation Sessional
12	CSE	Database (with Sessional)
13	CSE	Computer Architecture
14	CSE	Software Engineering and Information System Design (with Sessional)
15	CSE	Compiler (with Sessional)
16	CSE	Data Communication - 1
17	CSE	Mathematical Analysis for Computer Science
18	CSE	Operating System (with Sessional)
19	CSE	Microprocessor and Microcontrollers (with Sessional)
20	CSE	Numerical Method
21	CSE	Computer Network (with Sessional)
22	CSE	Software Development Sessional
23	CSE	Artificial Intelligence (with Sessional)
24	CSE	Digital System Design (with Sessional)
25	CSE	Computer Graphics (with Sessional)
26	CSE	Project and Thesis 1
27	CSE	Project and Thesis 2
CORE: SCINECT AND TECHNOLOGY		
01	MATH	Differential Calculus and Co-ordinate Geometry
02	MATH	Integral Calculus, Ordinary and Partial Differential Equations, Series Solutions
03	MATH	Complex Variable and Statistics
04	MATH	Matrices, Vectors, Fourier Analysis, and Laplace Transforms
05	PHY	Heat and Thermodynamics, Structure of Matter, Waves and Oscillations, Physical Optics (with Sessional)
06	CHE	Chemistry
07	CHE	Organic Quantitative Analysis Sessional
08	EEE	Introduction to Electrical Engineering (with Sessional)
09	EEE	Electronic Devices and Circuits (with Sessional)
10	EEE	Electrical Drives and Instrumentation (with Sessional)
11	ME	Basic Mechanical Engineering
12	ME	Mechanical Engineering Drawing -1 Sessional
13	IPE	Industrial Management
ELECTIVE 1 (Any One Course)		
01	CSE	Basic Graph Theory
02	CSE	Basic Multimedia Theory
03	CSE	Digital Image Processing
04	CSE	Simulation & Modeling
05	CSE	Fault Tolerant System
ELECTIVE 2 (Any Two Courses)		
01	CSE	Network and Communications - Data Communication 2 (with Sessional)
02	CSE	Network and Communications - Wireless Networks (with Sessional)
03	CSE	Theoretical Computer Science - Algorithm Engineering (with Sessional)
04	CSE	Theoretical Computer Science - Computational Geometry (with Sessional)
05	CSE	Artificial Intelligence - Machine Learning (with Sessional)
06	CSE	Artificial Intelligence - Pattern Recognition (with Sessional)
07	CSE	Hardware - Computer Interfacing (with Sessional)
08	CSE	Hardware - VLSL Design (with Sessional)