Computer Science and Engineering
Khulna University

CORE: CSE

01	CSE	Structured Programming 1 (with Sessional)
02	CSE	Structured Programming 2 (with Sessional)
03	CSE	Object Oriented Programming (with Sessional)
04	CSE	Advanced Programming
05	CSE	Data Structures (with Sessional)
06	CSE	Algorithms (with Sessional)
07	CSE	Discrete Mathematics
08	CSE	Numerical Methods (with Sessional)
09	CSE	Digital Logic Design (with Sessional)
10	CSE	Computer Architecture
11	CSE	Assembly Language Sessional
12	CSE	Microprocessors and Microcontrollers (with Sessional/Project)
13	CSE	Operating System and System Programming (with Sessional/Project)
14	CSE	Database System (with Sessional/Project)
15	CSE	Compiler Design (with Sessional/Project)
16	CSE	Computer Graphics (with Sessional/Project)
17	CSE	Computer Security
18	CSE	Computer Networks (with Sessional/Fieldwork)
19	CSE	Artificial Intelligence (with Sessional/Project)
20	CSE	Web Programming Project/Fieldwork
21	CSE	Information System Design (with Sessional)
22	CSE	Technical Writing and Presentation Sessional
23	CSE	Software Engineering
24	CSE	Software Development Project
25	CSE	Advanced Business Venture / Industrial Training
26	CSE	Project and Thesis 1
27	CSE	Project and Thesis 2
28	CSE	Scientific Research Methodology (for MSC)

CORE: SCINECT AND TECHNOLOGY

01	MATH	Calculus
02	MATH	Geometry and Differential Equations
03	MATH	Vector Analysis and Matrix
04	MATH	Statistics and Complex Variable
05	MATH	Mathematical Analysis for Computer Science
06	PHY	Physics (with Sessional)
07	CHE	Chemistry
08	ECE	Electrical Circuits (with Sessional)
09	ECE	Electronic Devices and Circuits (with Sessional)
10	ECE	Electrical Drives and Instrumentation (with Sessional)
11	ECE	Digital Electronics
12	ECE	Data Communication
13	ME	Mechanics and Heat Engineering
14	ME	Engineering Drawing and CAD Project Sessional

ELECTIVES 1 (Any One Course)

01	CSE	Neural Networks and Fuzzy System (with Sessional)
02	CSE	Simulation and Modeling (with Sessional/Fieldwork)
03	CSE	Digital Image Processing (with Sessional/Project)
04	CSE	Geographical Information System (with Sessional/Fieldwork)

ELECTIVES 2 (Any One Course)

01	CSE	Theory of Computation
02	CSE	Human Computer Interaction
03	CSE	Parallel and Distributed Processing
04	CSE	Distributed Database System
05	CSE	Applied Probability and Queuing Theory
06	CSE	Computational Geometry
07	CSE	Graph Theory
08	CSE	Digital Signal Processing
09	CSE	Wireless and Optical Networks
10	CSE	VLSI Design and Testability

ELECTIVES 3 (Any Two Courses)

01	CSE	Computer Peripherals and Interfacing (with Sessional/Project)
02	CSE	Digital System Design (with Sessional/Project)
03	CSE	Data Mining (with Sessional/Fieldwork)
04	CSE	Pattern Recognition (With Sessional/Project)
05	CSE	Client Server Technology (with Sessional/Fieldwork)
06	CSE	Computer Animation and Virtual Reality (with Sessional/Project)
ELECTIVES 4 (Any One Course)		
01	CSE	Machine Learning
02	CSE	Decision Support System
03	CSE	Robotics and Computer Vision
04	CSE	Knowledge Engineering
05	CSE	E-Commerce
06	CSE	Multimedia
MSC: Theoretical Computer Science		
01	CSE	Advanced Algorithms
02	CSE	Combinatorial Optimization
03	CSE	Graph Theory
04	CSE	Computational Geometry
05	CSE	Bioinformatics Algorithm
06	CSE	String-ology
07	CSE	Mathematical Programming
08	CSE	Petri Net Theory and Modeling of Systems
09	CSE	Cryptography
MSC: Software Engineering and Information System		
01	CSE	Advanced Software Engineering
02	CSE	Software Project Management
03	CSE	Software Testing and Quality Assurance
04	CSE	Software Validation and Verification Tools
05	CSE	Advanced Database Systems
06	CSE	Information System Management
MSC: Communications and Computer Networks		
01	CSE	Computer Communications and Networks
02	CSE	Wireless and Mobile Communication Networks
03	CSE	Wireless Ad-hoc Networks
04	CSE	Wireless Sensor Networks
05	CSE	Wireless Resource Management
06	CSE	Network Security
MSC: Intelligent Systems		
01	CSE	Advanced Artificial Intelligence
02	CSE	Fuzzy Systems
03	CSE	Machine Learning
04	CSE	Advanced Pattern Recognition
05	CSE	Speech Recognition
06	CSE	Machine Translation
07	CSE	Knowledge Representation and Reasoning
08	CSE	Data Mining
09	CSE	Evolutionary Algorithms
10	CSE	Neural Networks
MSC: Multimedia Technology		
01	CSE	Multimedia Systems
02	CSE	Computer Graphics and Animation
03	CSE	Human Computer Interaction
04	CSE	Multimedia Communication
MSC: High Performance Computing		
01	CSE	Parallel Algorithms
02	CSE	Distributed Computing Systems
03	CSE	Distributed Databases
04	CSE	Ubiquitous Computing
MSC: Hardware Systems		
01	CSE	Advanced Microprocessors
02	CSE	Advanced Logic Design
03	CSE	Computer Organization and Design
04	CSE	Advanced Computer Architecture
05	CSE	Embedded Systems