

Department of Computer Science

Faculty Profile



Mrs. Rehana Haider (HOD)
M.S Computer Science
Lecturer



Mrs. Khadija Bano
BS Computer Science
Lecturer



Mrs. Salima Batool
BS Computer Science
Lecturer



Mr. Maroof Ishaq
MSCS
Research Area: Artificial Intelligence
and Machine Learning



Mr. Sajid Ali

Mr. Irfan Kazim Mumtaz
MS Software Engineering
PhD in Progress.

Department of Computer Science

Scheme of Study

SEMESTER-I	
Course Title	Credit Hours
Programming Fundamentals (Comp. Core)	4 (3+1)
Discrete Structures (Comp. Core)	3
Calculus and Analytical Geometry (Comp. Supporting)	3
Introduction to Information and Communication Technology (Intro to Information System) (Gen. Edu)	3 (2+1)
English Composition and Comprehension (English-I) (Gen.Edu).	3
Islamic Studies / Ethics (Gen. Edu).	2
Semester's Total Credits	18

SEMESTER-III	
Course Title	Credit Hours
Data Structure and Algebra (Com. Core)	3 (2+1)
University Elective I	3
Digital Logic Design (Comp. Core)	3 (2+1)
Probability and Statistics (Comp. Supporting)	3
Communication Skills (Gen. Edu)	3
University Elective II	3
Semester's Total Credits	15

SEMESTER-II	
Course Title	Credit Hours
Object Oriented Programming (Comp. Core)	4 (3+1)
Linear Algebra (Comp-Supporting)	3
Technical and Business Writing (Gen. Edu)	3
Pakistan Studies (Gen. Edu)	2
Basic Electronics (Com. Supporting)	3 (2+1)
Semester's Total Credits	12

SEMESTER-IV	
Course Title	Credit Hours
Microprocessor and Assembly Language (Comp Sc. Core)	3 (2+1)
Computer Architecture and Organization (Comp Sc. Core)	3
Multivariate Calculus (Comp Sc. Support)	3
University Elective III	3
University Elective IV	3
Semester's Total Credits	15

Department of Computer Science

Scheme of Study

SEMESTER-V	
Course Title	Credit Hours
Operating Systems (Comp. Core)	4 (3+1)
Database System (Comp. Core)	4 (3+1)
Theory of Automata (Comp. Core)	3
Design and Analysis of Algorithms (Comp Sc. Core)	3
Differential Equations (Comp Sc. Supporting)s	3
Semester's Total Credits	17

SEMESTER-VII	
Course Title	Credit Hours
Human Computer Interaction (Comp. Core)	3 (2+1)
Professional Practices (Gen. Edu)	3
Compiler Construction (Comp Sc. Core)	3 (2+1)
Information Security (Comp Sc. Core)	3
Computer Science Elective III	3
Final Year Project	3
Semester's Total Credits	15

SEMESTER-VI	
Course Title	Credit Hours
Introduction to Software Engineering (Comp. Core)	3
Data Communications and Computer Networks (Comp. Core)	3 (2+1)
Artificial Intelligence (Comp Sc. Core)	3 (2+1)
Computer Science Elective I	3
Computer Science Elective II	3
Semester's Total Credits	15

SEMESTER-VIII	
Course Title	Credit Hours
Numerical Computing (Comp Sc. Supp)	3 (2+1)
Computer Science Elective IV	3
Final Year Project (Comp. Core)	3
Semester's Total Credits	9