

BS Software Engineering

The basic intention of an academic program in Networks is to develop the student's critical professional thinking and intuition. The Computer Networks curriculum is expected to provide environments to put into practice, the principles and techniques learnt during the course of implementation of academic program.

Duration: 4 Years
Number of Courses: 44
Total Credit Hours: 132

SEMESTER 1

Introduction to Computing, Oral and Presentation Skills, Calculus and Analytical Geometry, Physics I, Programming Fundamentals, Pakistan Studies and Islamic Studies

SEMESTER 2

Object Oriented Programming, English Writing Skills, Digital Logic and Design, Database Management System, Introduction to IT, Statistics

SEMESTER 3

Data Structures and Algorithms, Web Engineering I, Discrete Mathematical Structures, Technical Report Writing, Linear Algebra

SEMESTER 4

Operating Systems, Software Engineering I, Web Engineering II, Computer Communication and Networks, Human Computer Interaction

ELECTIVES

Special Topics in Communication, Technology Management, Telecommunication Systems, Telecommunications Systems Analysis, Adv. Wireless Communications, Advanced Computer Network, Advanced Network Security, Artificial Neural Networks, Digital Image Processing, Distributed Computing, Embedded Systems, Integrated Services over IP, Microprocessor Interfacing, Optical Communication, Parallel Processing, Satellite Communications

PROGRAM HIGHLIGHTS

- 4 years degree program
- Enhances employability & assimilation factor in the market
- State-of-the-art academic system
- Saves valuable time, to manage work and studies together
- Transfer credits considered
- Entire program offered in all campuses
- Aims to make students competent professionals
- Free Transport facility available for main campus
- Scholarships and financial assistance provided.

SEMESTER 5

Software Engineering Economics, Software Requirement Engineering, Embedded System Design, Software Engineering II, Service Oriented Architecture

SEMESTER 6

Software Design & Architecture, Software Quality Engineering, Formal Methods in Software Engineering, System Programming, Design & Analysis of Algorithms

SEMESTER 7

Artificial Intelligence(Elective), Final Year Project (Project Proposal), Software Project Management, Professional Ethics, Elective – II

SEMESTER 8

Final Year Project (Project Implementation), Research Report, Elective – III, Elective – IV, Elective – V

DISCLAIMER

All courses may not necessarily be offered every year. Alternate courses may be substituted as and when needed.

ADMISSION REQUIREMENTS

For admission to the BS Software Engineering program, the candidate must have completed Intermediate with minimum 45% / A Levels (Minimum three Papers) or equivalent from a recognized institution.

FACULTY

Most Biztek faculty have PhDs and postgraduate degree with years of experience in the academics and corporate world. Detail of faculty qualifications and experience can be found on the Biztek website.



**Institute of
Business & Technology**

Shara-e-Faisal Campus (EDC)

Direct: 021-34301087

Cell: 0332-2277763

0332-2273358

Pabx: 021-34301085-8

Gulshan Campus

Direct: 021-34969987

Cell: 0332-2291994

0332-9964656

Pabx: 021-34969984-7

Nazimabad Campus

Direct: 021-36617948

Cell: 0332-2641371

0332-2189746

Pabx: 021-36617946-49

Main Campus

Direct: 021-35120461

Cell: 0332-3340807

0332-2313077

Pabx: 021-35091871-3