

BS Bioinformatics

In this highly interdisciplinary program, students integrate coursework in applied mathematics, computer science and the biological sciences, learning how to apply mathematics and computing to the study of genes and proteins. This training prepares students for graduate education in a bioinformatics-related field or for entry into the workforce of this emerging new discipline.

SEMESTER 1

Intro. to Computer Science I, English Writing Skills, Oral & Presentation Skills, Islamiat & Pakistan Studies, Modern Concepts of Bioscience, Basic Prin. of Modern Chem. I

SEMESTER 2

Intro. to Computer Science II, Discrete Structures, Modern Concepts of Bioscience II, Data Structures, Genetics, Calculus I

SEMESTER 3

Intro. to Algorithms, Software Engineering I, Basic Prin. of Modern Chem. II, Lab Measurements & Techniques, Ethics in Biosciences, Molecular Genetics

SEMESTER 4

Organic Chem. I, Intro. to Computer Systems, Foreign Language 1, Foreign Language 2, Neuroscience, Population Biology and Ecology

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

Cellular and Molecular Biology, Genomics and Bioinformatics, Systems Programming, Organic Chem. II, Software Engineering II

SEMESTER 6

Intro. to Computational Biology, Bioinformatics Database Design, Technical & Professional Writing, Computer Graphics, Artificial Intelligence

SEMESTER 7

Biostatistics, Forensics, Sociology, Psychology, Corporate Social Responsibility

SEMESTER 8

Basics of Research Methods, Human Genetics, Gender Studies, Anthropology, Comparative Religion

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 Bioinformatics 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