

# Bioinformatics

## Introduction

Bioinformatics or computational biology is the use of information technology in the field of molecular biology, or the application of computer technology to the management and analysis of biological data.

A bioinformatics scientist is someone who applies information technology and computer science into the area of biology. This is done for the purpose of studying, analyzing, and processing genomic information as well as other forms of biological information.

## Skill Set

- Commitment and Self-confidence
- Hard work and alertness of mind
- Good communication skills
- Research and analytical skills
- Computational skills.

## Eligibility

The basic educational qualification to enter a program in Bioinformatics is 10+2 completed with science as the subject.

## Courses & Educational Qualifications

### B.Tech/BSc Bioinformatics

- 10+2 with Physics, Chemistry, Mathematics or Biology

## Master's Degree in Bioinformatics

- Graduation in any of the following subjects such as B.Sc / B.Sc (Agriculture)/ BCS / BE / B.Tech / MBBS /B Pharm / BAMS / BHMS / BVSc.

## Top Colleges

### Amity Institute of Biotechnology

**Course:**B.Tech in Bioinformatics

**Duration:** 4 Year

**Eligibility:** Min. 60% in class X &XII with min. 60% in PCM/PCB for Non-sponsored & 55% for Sponsored category through a regular mode of a recognized board only.

**Selection Process:** Subject based Written Test

### D Y Patil University (Mumbai)

**Course:**B.Tech in Bioinformatics

**Duration:** 4 Year

**Eligibility:** English compulsory in 10+2, PCM/B

**Selection Process:** AIBTCET Test

### VIT University Vellore (Tamil Nadu)

**Course:**B.Tech in Bioinformatics

**Duration:** 4 Year

**Eligibility:** 10+2 PCB/M with 50%

**Selection Process:** VITEEE

### **SRM University, Chennai**

**Course :**B.Tech In Bioinformatics

**Duration :** 4 Years

**Eligibility :** 10+2 PCB/M with 50%

**Selection Process:** SRMJEEE

### **Guru Nanak Girls College, Ludhiana**

**Course:**B.Sc in Bioinformatics (Hons.)

**Duration:** 3 Year

**Eligibility:** 10+2 in PCB&M with 50% marks

**Selection Process:** CUET

### **DAV College, Chandigarh**

**Course:**B.Sc in Bioinformatics

**Duration:** 3 Year

**Eligibility:** 10+2 with science

**Selection Process:** Merit basis

### **GGDSD (Goswami Ganesh Dutta Sanatan Dharam College), Chandigarh**

**Course:**B.Sc in Bioinformatics

**Duration:** 3 Year

**Eligibility:** 10+2 science

**Selection Process:** Merit basis (Best of three science subjects)

## Job Prospects

- Pharmaceutical companies
- Biotech companies
- NGO's
- Foreign firms and laboratories.
- Hospitals
- Research
- Computational biologist
- Biomedical organizations
- Teaching
- Science Technician
- Pharmacogenomics
- Database programmer

**Disclaimer:** The information provided here is best to our knowledge. It is highly recommended that you should cross-check the source of information through the specific Colleges and Institutes. Career Prabhu (Career Prabhu Pvt Ltd) is in no way responsible for the decisions made solely on the basis of this document.