

**St. Xavier's College,**

**Ranchi**

***(An Autonomous College of Ranchi  
University)***

**Syllabi**

**Department of Bio-Tech**

## BACHELOR OF SCIENCE (BIO TECHNOLOGY)

This course is a full time course. The duration is for **three years** programme leads to the award of the degree of Bachelor of Science (Bio Technology). The course structure of this Programme is given in the following table

SEMESTER	HONOUR SUBJECT	SUBSIDIARY & COMPUSLORY SUBJECTS
I	Mathematics Cell Biology Genetics Practical	Zoology/Botany and Chemistry Language-MIL Hindi/Alt. Eng/Non Hindi
II	Microbiology Computer Fundamentals Biostatistics Practical & project	Zoology/Botany and Chemistry Language-MIL Hindi/Alt.Eng/Non Hindi
III	Biochemistry Bioinformatics & Biophysics Practical	Zoology/Botany and Chemistry Language-MIL Hindi/Alt.Eng/Non Hindi
IV	Molecular biology Immunology Practical and Project	Zoology/Botany and Chemistry Language-MIL Hindi/Alt.Eng/Non Hindi
V	Genetic Engineering Environmental Biotechnology Practical Project & On the Job Training	Environmental Science & Ethics
VI	Animal Biotechnology Plant Biotechnology Industrial Biotechnology Practical	Environmental Science & Ethics