

ST. XAVIER'S COLLEGE, MUMBAI

(Empowered Autonomous Institution)
NAAC-A+, Ist Among Private Autonomous Colleges
Across India (Education World 2024)

POST GRADUATE DEPARTMENT OF BIOTECHNOLOGY

MSc BIOTECHNOLOGY

The MSc biotechnology programme offers extensive training in cutting edge techniques and technology to tackle global needs in biotechnology research, product development and entrepreneurship, thus enabling students to prepare for careers both in India and internationally.



Interdisciplinary curriculum focusing on Molecular Biotechnology, Bioinformatics, Mammalian Cell technology, Genomics and Proteomics.



HIGHLIGHTS



Holistic training to meet Industry 4.0 and 5.0 skill sets in Biotechnology, Communication skills, Critical thinking, Problem Solving and Resource Management.



Research areas: Bioinformatics, Mammalian Cell Culture, Cancer Genomics, Natural Products Bioprospecting, Bioprocess technology and Environment Biotechnology.



State of the art Facility for Learning and Research (Molecular Biology, Animal Cell Culture, Bioinformatics, MD Simulations and NGS analysis)

Curriculum Overview - https://sites.google.com/xaviers.edu/biotechnology

CAREER SCOPE

Doctoral Studies, MBA, Law

Scientific communicator Editor Content Creators

R&D Analysts/ Associates/

Biopharmaceutics,
Bioinformatics, Medical
diagnostics, Food
Biotech, Agri Biotech,
Environment Biotech,
Sustainable
Development

Patent Analysts, Biotech-IPR Associate

Data
AnalystsGenomics,
Proteomics,
Clinical
Research

ADMISSION: Merit based on Entrance Examination marks and Qualifying BSc Percentage.

ELIGIBILITY: BSc in Biological sciences (Biotechnology / Biochemistry / Botany / Life Science / Microbiology / Zoology) with Chemistry up to SYBSc level or BSc in Chemistry with Biology courses upto SYBSc level.

ENTRANCE EXAMINATION:

Computer Based, MCQs (No negative marking)

SYLLABUS: (Graduate level) Basic Biology, Cell Biology, Immunology, Plant and Animal Biotechnology, Microbiology, Biochemistry, Molecular Biology, Bioprocess Technology, Bioinformatics, and other allied areas, concepts in Physics, Chemistry (10+2 level)

EXAMINATION DATES:

All centers pan India:

13th and 14th June 2024

Applications open 9th May!!! https://entrancetest.xaviers.edu/landing

FURTHER INFORMATION

https://xaviers.ac/

CONTACT

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