

Department of B.Sc Biotechnology, Chemistry & Genetics

Vision and mission

vision :

Empowering future leaders in biotechnology to transform lives and communities through innovative research and education. Becoming a global hub for biotechnology excellence, driving discovery, entrepreneurship, and sustainable solutions.

Mission :

To deliver world-class biotechnology education, fostering a culture of innovation, collaboration, and social responsibility. .To advance biotechnology research, education, and application, improving human health, environmental sustainability, and economic growth.



the Department of Biotechnology (UG) has been a fore-runner in the state in its field. It quickly became one of the more popular departments in the Academy, because of the opportunities it provided to both its students and its faculty. The department of Biotechnology draws its strength from its faculty, with doctoral and post-doctoral qualifications and competent to academic, research and industry-oriented experience. The department also has professors and visiting scientists working in various fields like green synthesis of nano particles, anti-microbial and anti-cancer, biofuels, bioremediation and wastewater treatment biomedical research, genomics and proteomics, bioinformatics, and Agricultural biotechnology. With six well-equipped laboratories to different subjects' areas and, one research center with International standard, and bio informatics facility with the latest molecular modelling and drug design software, the department takes pride in filing patents and IP in collaboration with the industry.

PROGRAMS OFFERED

- BSc.Biotechnology(3yr) highlights:
- Cell Biology, Microbiology
- Genetics
- Animal Biotechnology
- Bioprocess and fermentation technology
- Bioinformtics and Enzyme Technology
- Medical Biotechnology

HIGHLIGHTS OF THE DEPARTMENT

- 6 laboratories with state of art facilities
- 1 research lab with high end equipment like HPLC, ELISA, UV-VIS Spectrometer with double beam, PCR, RT-PCR.
- Students are encouraged to do research projects.
- Faculty with post-doctoral and doctoral degrees with academic, research and industry expertise.

CAREER OPPORTUNITIES

- Research Scientist
- Biotech engineer
- Geneticist
- Pharmaceutical Scientist
- Clinical research coordinator
- Embryologist

HIGHER EDUCATION PROSPECTS

- MSc.Biotechnology
- MSc.Molecular genetics
- MBA in Healthcare
- MSc. Chemistry
- MSc. Clinical embryology
- Msc. Developmental Biology

ADMISSION GUIDELINES

candidate must have passed 10+2/Intermediatate with 60% in Bipc

WHY LOYOLA ACADEMY?

- NAAC Accredited and recognized for academic excellence.
- Strong industry connections ensuring top-notch placements.
- Innovation-driven approach with a focus on emerging technologies.



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