

ABOUT THE COURSE

The Master's in Biotechnology is a multi-disciplinary course that covers advanced fields such as genetic engineering of plants, animals and microorganisms, genomics, proteomics, fermentation technology, agricultural biotechnology and bioinformatics. All these domains aim to strengthen the students' knowledge about the subjects and take them deeper into the world of Biotechnology. The course focuses to provide strong foundations in fundamentals as well as advanced Biotechnology, keeping the syllabus as recommended by UGC. It also offers several program electives and open electives to get up-to-date knowledge in some specialized areas in Biotechnology. The course gives students a scope of developing analytical approach with communication skills and critical thinking, which further broadens into interpreting scientific data that is a blessing to scientific researchers. By learning the biotechnological application aspects, the student will learn to develop the technology or products for use in biological research and industry for the benefits of the society. The course includes a research project/industrial training to develop practical experimental, analytical and scientific skills in the students.

COURSE DURATION: 2 Years (Semester system)

ELIGIBILITY:

Bachelor's degree in Biological / Life Sciences (Zoology / Botany / Biochemistry /Microbiology /Biotechnology /Industrial Microbiology /Agricultural Microbiology/Agriculture/ Pharmacy / Veterinary / Medicine (MBBS) / Medical Lab Technology / Nursing from a recognized Institute/ University, with at least 50% marks (45% for SC/ST) in aggregate. Any other examination recognized equivalent there to.

Course Fee: 25,000 INR (per semester)

KEY FEATURES

- NEP based curriculum
- Well qualified, experienced, and motivated faculty members.
- Faculty are specialized in various fields of experimental and theoretical Biotechnology.
- Syllabus at par with CSIR-UGC/NET, GATE, ICMR, DBT, ICAR-NET recommended syllabus.
- State- of –the- art Research laboratories.
- Well-equipped postgraduate and research laboratories.
- Training /Project work in the fourth semester where students get the opportunity to explore recent research areas.
- Well updated library with access to repository of information, books, archives, research papers, audio and video lectures.
- Department also organizes various conferences/workshops/lectures/ research lab& industrial visits time to time in which students can participate and update their knowledge.

CAREER OPPORTUNITIES

There is a bright career after doing M.Sc. (Biotechnology) course. A candidate with M.Sc. (Biotechnology) degree can flourish in varied professions. This course opens up multiple opportunities for the candidates depending upon their choice of profession. It offers plenty of job profiles in high-end industrial sectors also. Here are some of the top areas of recruitment for M.Sc. (Biotechnology) graduates:

- Scientist in ICAR/DRDO/CSIR/ICMR/DBT, DST or any other research institutes.
- Assistant Professor, Associate Professor & Professor
- School Lecturer.
- Research & Development.
- Healthcare and Pharma company (QC and QA)
- Laboratory Technician.
- IT Companies.
- Defense Services.
- Food and Dairy Industry