

M.Sc. (Microbiology)

ABOUT THE COURSE:

The Master's in Microbiology teaches about the science of microorganisms, to apply the microbes or microbial processes for various benefits. Microbiology is based on concepts in molecular biology, cell biology, genetics and biochemistry of microbial systems. The course includes the learning of technological methods applicable in various fields related to biological sciences. Microbiology is a field of applied sciences useful in agriculture, medicine, food, and environment industry. Through this degree programme, the student will develop knowledge and understanding of microbes at the molecular, cellular and systems levels.

The courses include 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: 27,500 INR (per semester)

KEY FEATURES

- 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, , 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

Quality Assurance Technologists, and Quality Control Inspector in Healthcare or Pharmaceutical, Food, Beverages, Agricultural Inputs, Cosmetics, Detergent, Chemicals, Biotech

and Life sciences industries, Medical Coder, Operations Manager, Microbiological Auditor, Clinical Reviewer, Lab Assistant, Research and Development, Research Analyst, Research Associate, Scientist, Medical microbiologist, Environmental microbiologist, Biomedical Engineer, Agricultural Engineer, Bio manufacturing Specialist, Biotech Product Analyst, Business Development Manager, Marketing Manager, Academics, etc.