



Program Outcome of M.Sc. in Biotechnology

After the completion of the Program, the students will be able to:

PO1	Understand essentials of all the life-processes at the molecular level.
PO2	Understand various industries (e.g., food, fermentation industries, enzyme production, vaccine development industries and other biotechnology related industries) in context of Biotechnology.
PO3	Understand the knowledge of gene sequencing, primer designing and synthesis, molecular structure prediction, drug discovery and molecular diagnostics.
PO4	Have skills for acquisition, organization and processing of data for drawing accurate inferences in R&D sectors and knowledge of IPR for commercialization economic protection to the inventor
PO5	Produce quality materials at commercial-scale using tissue culture technique and manipulate organisms via recombinant DNA technology for bioremediation, gene therapy, diagnostics, disease-models, bio-fuel, crop improvement, protein engineering, and modifying metabolic pathways.

Program Specific Outcomes (PSOs) of M.Sc. Biotechnology

On completion of the Program, the students will specifically be able to:

PSO1	Apply knowledge of living organisms and their cellular processes for generating product for social welfare.
PSO2	Apply practical knowledge for careers in various industry, agriculture and applied research.
PSO3	Follow research ethics involving living organisms to contribute to application, advancement and impartment of knowledge in the field of Biotechnology.
PSO4	Understand In-depth aspects of Biotechnology with awareness of ethical issues in Medical, clinical and animal research and careers options.
PSO5	Pursue Research, work in Industries or be an entrepreneur.