

MSc in Biotechnology
Program Intended Learning Outcomes (PILOs)

Program Objectives

The MSc in Biotechnology program provides rigorous training to students for professional career development in the biotechnology and pharmaceutical industries. The program enriches students with various basic and advanced biotechnological elements, including pharmaceutical, analytical, transgenic and recombinant technology, bioprocessing, business operations and management. All these elements are unique for preparing our students to become scientific research leaders and entrepreneurs in emerging bio-industrial areas. With this training and exposure, graduates from the Program will be able to initiate innovative solutions in biotechnology and rapidly advance their careers.

PILOs

Upon successful completion of the program, students should be able to:

1. Explain in-depth and up-to-date knowledge in basic and advanced biotechnological elements.
2. Evaluate information relevant to concepts and issues of contemporary biotechnology.
3. Apply functional knowledge to solve problems in both academic and applied level in the field of research and technical aspect of biotechnology industry.
4. Demonstrate understanding in legal, ethical, social and business aspects of biotechnology-based products and services.
5. Perform independent and/or collaborative work effectively in teams and partnerships to accomplish laboratory-based or problem-based tasks.