

**Faculty of Science, Technology and Architecture | School of Engineering
Department of Biotechnology & Chemical Engineering**

M.Tech in Computational Biology Program Objectives

PO1: An ability to independently carry out research /investigation and development work to solve practical problems.

PO2: An ability to write and present a substantial technical report/document.

PO3: Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor's program.

M.Tech in Computational Biology Program Educational Objectives

PEO1: Apply advanced computational biology and bioinformatics methods to address complex biological and biomedical problems.

PEO2: Build successful careers in research, higher education, or the biotechnology and healthcare industries.

PEO3: Demonstrate professional ethics, effective communication, and commitment to lifelong learning.

M.Tech in Computational Biology Program Specific Outcomes

PSO1: Use programming, statistical, and machine learning approaches to analyze large-scale biological and omics data.

PSO2: Integrate computational techniques with biological knowledge to understand disease mechanisms and biological systems.

PSO3: Independently conduct research, interpret results, and develop computational tools in computational biology.