

The MSc programs in the School of Biosciences are designed to achieve the program outcome of developing competent personnel in applied branches of life sciences with good academic standards, skill, technical knowhow, research aptitude, scientific ethics and societal consciousness.

On completion of the MSc Microbiology program, the student will achieve the following Program Specific Outcomes

PSO1. To get in-depth scientific knowledge about the prokaryotic and eukaryotic cellular, physiological and biochemical processes, interaction of microorganisms among themselves, with physical and chemical agents and beneficial and harmful effects and applications of microorganisms and to explore its immense scope both at the basic and application aspects

PSO2. To meet the global demand for skilled scientific resources in microbiology, the program has been designed to understand the basics and advances of microbiology to accelerate the microbiological contributions for diverse applications by integrating the knowledge through interdisciplinary approach.

PSO3. To translate the technical knowhow in various branches of microbiology like the medical, industrial, food, agricultural and environmental microbiology for the well being of humans, other living forms and the environment and to motivate the innovation in microbiological applications for the emerging and existing challenges

PSO4. To generate trained human resources with the skills to use the microbiological methods, instrumentation tools, and technologies by following the standard operation procedures and scientific ethics for the research, clinical, agricultural, industrial and other commercial applications through the design and execution of microbiological experiments for both the local and global societies.

PSO5. To provide a vibrant and internationally competitive educational environment that fosters the development of scientific vocabulary, reasoning skills, entrepreneurial skills, communication abilities and societal consciousness

