

## PROGRAM OUTCOMES, PROGRAM SPECIFIC OUTCOMES, COURSE OUTCOMES

Program Outcome	Students will acquire and demonstrate competency in laboratory safety and in routine and specialized microbiological laboratory skills applicable to microbiological research or clinical methods, including accurately reporting observations and analysis. Students will demonstrate engagement in the Microbiology discipline through involvement in research or internship activities,
Program Specific Outcome	A general course emphasizing distribution, morphology and physiology of microorganisms in addition to skills in aseptic procedures, isolation and identification. This course also includes sophomore level material covering immunology, virology, epidemiology and DNA technology
<b>Course: BSC MICROBIOLOGY</b>	<b>Outcomes</b>
Microbial physiology, microbial genetics	To inculcate knowledge in cell divisions, functions, microbial physiology and genetics of microbes
Molecular biology and biotechnology	
Agricultural microbiology Medical microbiology and immunology	To inculcate knowledge in relationship between human disease and micro organisms, pathogenicity, laboratory diagnosis and treatment methods. To inculcate knowledge in human immune response towards micro organisms
Food and industrial microbiology Environmental microbiology, bio statistics and bio informatics	Enable the student to get sufficient knowledge in relationship between food and microbes, techniques used in food processing, knowledge in role of micro organisms in eco system. Core bioinformatics courses may include molecular biology, probability, statistics, computing and informatics