

BSc MICROBIOLOGY

Program Outcomes

PO1. Critical Thinking: This course is aimed at improving the problem solving, critical thinking and analytical reasoning of the students as needed in the case of scientific problems.

PO2. Problem Solving Skills: the students are taught to solve problems competently by understanding the essential points of a problem and developing a way to solve the problem. The students are taught to develop the solution to a problem by the application of the correct techniques. Also the correctness of the applied technique is evaluated and the results are interpreted.

PO3. Communication Skills: This helps the students to communicate their views and ideas to the world personally and by the use of social media.

Program Specific Outcomes

PSO1: B.Sc. Microbiology is a versatile Degree programmeendeavours to instill in students the skills to identify individual microbial species, use aseptic techniques to grow them in pure culture, safely handle and examine them by microbiological methods.

PSO2: The knowledge of microbiology will enable the students to improve the quality of human lives in relation to environment, fighting disease and to exploit microbes in the production of food.

PSO3: Microbiology plays a key role in genetic engineering and other modern biotechnologies such as antibiotic production and the exploitation of new sources of food and energy.

PSO4: Students are given a firm foundation in the fundamentals and application of microbiological knowledge so that they may be successfully placed in hospitals, industries and other private laboratories.