

- Students pursuing B.Sc. (Hons) Microbiology will learn basic microbiology and its various applied aspects such as Industrial Microbiology, Food and Dairy Microbiology, Environmental Microbiology, Medical Microbiology etc.
- Students will become aware of the vast diversity of microbes, their growth and other physiological aspects.
- Students will get knowledge of various biotechnological applications of microorganisms and industrially important substances produced by them. They will gain familiarity with the unique role of microbes in genetic modification technologies.
- Students will become familiar with scientific methodology, hypothesis generation and testing, design and execution of experiments which in turn will help in developing their ability to think critically and to read and analyze scientific literature. It will also improve their oral and written communication skills through the effective presentation of experimental results as well as through seminars.
- Students will acquire proficiency in good laboratory practices in a microbiological laboratory.
- Students will develop proficiency in the quantitative skills necessary to analyze biological problems (e.g., arithmetic, algebra, and statistical methods as applied to biology)

With these outcomes, graduates of the B.Sc. (Honours) Microbiology programme will be able to pursue a wide range of careers, including biological and medical research in higher education institutions as well as careers in public and global health, scientific writing, environmental organizations, and food, pharmaceuticals and biotechnology industries.