

College of Sciences Career Guide
Bachelor of Science in Biological Sciences
Concentration in Microbiology

About the Major and Concentration

Majoring in biological sciences with a concentration in microbiology provides students with the intellectual and technical skills required for success in the broad area of microbiology. This includes clinical, environmental, ecological, evolutionary, molecular, metabolic, and physiological perspectives of microbes, including aspects of virology and immunology.

Students concentrating in microbiology should also be able to explain the diversity and similarity of microbes, including their physiology, mechanisms of pathogenesis and host defenses, and unique ecology.

Skills

Research
Problem Solving
Ability to Operate Scientific Equipment
Critical Thinking

Potential Career Opportunities

Agricultural and Food Scientist
Bacteriologist
Biomedical Scientist
Biotechnologist
Cell Biologist
Clinical Microbiologist
Environmental Scientist
Lab Technician
Medical Device Specialist
Mycologist
Parasitologists
Public Health Professional
Quality Control Analyst
Regulatory Affairs Specialist
Research Microbiologist
Science Educator
Virologist

Common Career Areas for this Major

Research and Development

Healthcare

Biomedical Sciences

Organismal and Ecological Biology

Education

Biotechnology

Bioinformatics