As a microbiology major, students will learn how microbial genes, proteins, and processes are being exploited in the exciting field of biotechnology to help cure diseases, generate alternative fuels, produce new antibiotics, and recover valuable metals from ores. You can choose to do laboratory research as part of your undergraduate curriculum and participate in the daily operations of a laboratory conducting research at the forefront of these and other areas of microbiology and immunology. With a degree in microbiology, you will be well prepared to undertake graduate study in any of the life sciences or to pursue a professional degree in medicine, veterinary medicine, or dentistry. You will be ideally suited for employment in biotechnology, pharmaceutics, medical and forensic sciences, biological research institutes, hospital laboratories, hospital supply companies, or the food industry.

Career Areas/Job Titles:

**Management and Industry**
- Healthcare Administrator
- Scientific/Technical Recruiter
- Pharmaceutical Sales Rep
- Quality Control Specialist

**Communication and Media**
- Grant Writer
- Technical Writer
- Journalist

**Health Professions**
- Medical Doctor
- Chiropractor
- Physical Therapist
- Medical Lab Technician

**Science and Technology**
- Microbiologist
- Research Scientist
- Biochemist

**Geneticist**

**Zoologist**

**Education**
- Professor
- K-12 Teacher

**Healthcare Administrator**

**Government/Politics**
- Intellectual Property Lawyer

**Healthcare Administrator**

**Transferable Skills:**
- Basic Computer Skills
- Biology Focus
- Chemistry Focus
- Human Anatomy Knowledge
- Mathematics Skills
- Physics Foundation
- Provide/Respond to Feedback
- Speaking Effectively
- Use Technology Effectively
- Written Communication
- Social Perceptiveness
- Teaching/Instructing Others
- Teamwork
- Developing Evaluation
- Strategies
- Identifying Problems
- Research Skills
- Setting Goals
- Attention to Detail
- Judgment & Decision Making

*This is not an extensive list of transferable skills. See larger list of skills you might develop here: [http://ccss.osu.edu](http://ccss.osu.edu)*

**American Society for Microbiology:** [http://www.asm.org/](http://www.asm.org/)

**Society for General Microbiology:** [http://www.socgenmicrobiol.org.uk/](http://www.socgenmicrobiol.org.uk/)


*Some careers may require licensure, certification, or further education. Talk to an advisor about specific requirements.*