



# Microbiology & Plant Biology



## Special Points of Interest

- Students are encouraged to conduct research projects and assist in writing scholarly articles.
- Students are also encouraged to join organizations to further their professional portfolio and networking.
- Scholarships and assistantships are available to those who excel in the areas of Microbiology and Plant Biology (Botany).

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## Interested in Microbiology and Plant Biology?

### Microbiology

Microbiology is the study of organisms too small to be clearly seen by the unaided eye (i.e., microorganisms); these include viruses, bacteria, archaea, protozoa, algae, and fungi. Some microbes are large enough to be visible, but are still included in the field of microbiology; it has been suggested that microbiology be defined not only by the size of the organisms studied but by techniques employed to study them.

### Research

Both undergraduate and graduate students are encouraged to conduct research projects under the guidance of major professors throughout the semester. More intensive research experience in specific laboratories is frequently available through summer assistantships.

### Plant Biology

The subject of botany concerns the study of all aspects of plants, including their structure, function, evolution, classification and interrelationships with the environment. Plant Biology is a diverse and active science, and at the University of Oklahoma emphasizes bacteria, fungi and molecular biology. Training in both botany and microbiology involves coursework with extensive laboratory work and some field experiences.

### American Society for Microbiology Student

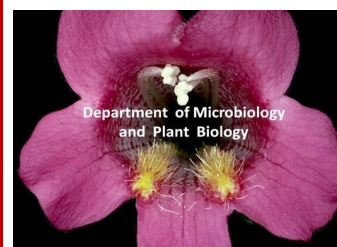
The Society organizes field trips and holds several meetings throughout the semester on topics of general interest to which the public and University community are invited.

### Scholarship

Available for academically outstanding students. Individuals with a 3.00 grade point average must apply or be recommended for these scholarships by April 1. Undergraduates must have completed their sophomore year of studies to be considered.

### OU Botanical Society

Open to undergraduate and graduate students. The Society organizes field trips and holds several meetings throughout the semester on topics of general interest to which the public and University community are invited.



## Microbiology and Plant Biology Curriculum

The professional degree programs of Bachelor of Science in Botany and the Bachelor of Science in Microbiology are designed to ensure that the student is well prepared to continue in postgraduate study in the life or medical sciences or to enter professional employment in a variety of botanical or microbiological positions. Major requirements, though similar to those of the Bachelor of Science program, are greater in scope and rigor.