WHAT IS ENTOMOLOGY?

Entomology is the study of insects and their relatives. Insects are the most numerous and diverse form of life on Earth, and more than one million species have been described. It has been estimated that there are up to 10 million unknown insect species on our planet waiting to be discovered.

Entomology offers you the opportunity to explore the diversity of nature through the study of arthropods and their interactions with plants, animals and human culture. Specialized course work includes insect identification, biology, ecology, physiology, biochemistry, population dynamics, medical and veterinary entomology, and pest management.

WHY STUDY ENTOMOLOGY?

Insects are important in many ways. Some are pests and destroy our food and fiber crops, forests, homes and structures. Others affect human and animal health by transmitting diseases. Many are beneficial to humans and essential to Earth’s ecology by providing pollination, decomposition, nutrient recycling, control of agricultural pests, control of invasive plants and food for wildlife. Despite their small size, insects have a significant impact on the environment and economy and, therefore, our society.

FINISH IN 4

For each undergraduate degree program in CASNR, we have prepared example plans of how you may successfully complete your degree plan in four years.

Where Do You See Yourself?

- Agri-chemical industry researcher
- Conservation technician
- Environmental consultant
- Epidemiologist
- Extension educator
- Forensic scientist
- Insect diagnostician
- Medical doctor
- Military entomologist
- Museum curator
- Pest control operator/owner
- Veterinarian

VICTORIA PICKENS
Sand Springs, Oklahoma

“For me, the wow factor of entomology is looking at a world within a world where you can study how insects interact with us without us even realizing it. Entomology is a very hands-on major; we learn things as far-reaching as pest management and forensics, as well as medical and veterinary entomology.”
Major Options

Within entomology, you have the option to select a predefined emphasis area and work with your faculty advisor to customize your plan of study.

**BIOFORENSICS**
This option prepares you for careers involving molecular techniques and forensic sciences.

**INSECT BIOLOGY AND ECOLOGY**
Stresses traditional biological aspects of insect science, behavior and ecology of insects.

**PRE-VETERINARY AND PRE-MEDICAL SCIENCES**
Curriculum meets requirements for post-graduate attendance to both veterinary and medical schools.

**HIGHLIGHT**
Entomology students have access to Insect Adventure, one of the largest interactive live arthropod exhibits in the country. They have the opportunity to work at Insect Adventure on public engagement or with faculty-guided research projects in forensics, medical/veterinary sciences, molecular, ecology, conservation, stored products and applied agriculture.

**EXPERIENTIAL LEARNING**
The Department of Entomology and Plant Pathology offers experiential opportunities, interactive learning, laboratory rotations and summer employment within the department, so students are prepared for nearly any entomological career with practical experience. Graduates have gone on to successfully complete veterinary school, medical school, law school, graduate school, military service or have begun their own businesses.

**SCHOLARSHIP DOLLARS**
Incoming entomology students receive a scholarship from the department. Based on academic progress and GPA, the scholarship renews each semester.

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**OKLAHOMA STATE UNIVERSITY**
College of Agricultural Sciences and Natural Resources
Department of Entomology and Plant Pathology
Entomology Major

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**FAST FACT**
OSU is one of only 12 universities in the nation and the only one in Oklahoma that offers a bachelor’s degree in entomology.