Entomology

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 the 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?

Hannah Paradis
Corinna, Maine

“As an aspiring physician, I was intrigued by the fact that insects are efficient vectors for disease. This general interest grew into fascination for the way insects survive, so majoring in entomology has allowed me to explore those interests in detail while still preparing me for medical school.”

Chemical industry researcher
Conservation technician
Environmental consultant
Epidemiologist
Extension educator
FBI agent
Forensic scientist
Homeland security
Insect diagnostician
Medical doctor
Military entomologist
Museum curator
Pest control operator/owner
Veterinarian
Within entomology, you have the option to select a predefined emphasis area or 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.

---

**Oklahoma State University**

*College of Agricultural Sciences and Natural Resources*

Department of Entomology and Plant Pathology

*Entomology Major*

---

**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.

**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.

---

**OSU Department of Entomology and Plant Pathology**

**Experiential Learning**
The OSU 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, which is theirs to continue to earn, to lose, or to grow each semester, based on their academic progress and GPA. CASNR awarded an additional $600,000 to students within the college this year.