



Entomology & Plant Pathology

Highlights

95% of graduates have job offers prior to or immediately following graduation

Undergraduate research

Small class sizes

What career will you have?

The careers in entomology are almost as diverse as the insects themselves. With a degree in entomology, a variety of career opportunities are available, including:

Veterinary medicine

Medical doctor

Attorney

Extension

Federal or governmental agency

Forensic laboratory technician

Health agency

Insect identification

Parasitology or epidemiology

Science or biology teacher

Pest control



Entomology is the study of insects and their relatives. Insects are arthropods, which means “jointed-foot.” Other arthropods commonly associated with entomology are spiders, ticks, mites, scorpions, centipedes and millipedes. Insects are the most numerous and diverse form of life on Earth. More than one million species have been described. It has been estimated that there may be 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 insect pest management.

Within entomology, you have the option to select a predefined emphasis area or work with your faculty adviser to customize your plan of study. These options include:

Insect Biology & Ecology

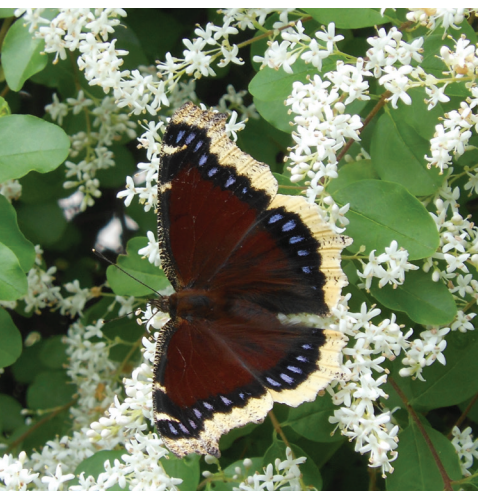
Stresses traditional biological aspects of insect science, behavior and ecology of insects.

Pre-Medical & Pre-Veterinary Sciences

Science heavy curriculum helps you meet requirements for post-graduate attendance of veterinary or medical school.

Bioforensics

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



\$ Scholarship Dollars

Every incoming entomology student earns a **\$500** scholarship. If students maintain a 3.0 GPA, they can receive an additional scholarship the following semester. Last year, CASNR awarded an additional **\$460,000** to students within the college.



Why Study Entomology?

Insects are important in many ways. Some are pests and destroy our food and fiber crops, forests, ornamental plants, native vegetation, homes and structures. Others affect human and animal health by transmitting diseases or by direct means. The mosquito is a prime example, as it is listed as one of the most deadly animals in the world, due to transmitting so many diseases. Relatively few insect species are injurious. Many are beneficial to humans and essential to the Earth's ecology. Some of the services insects provide are pollination, decomposition, nutrient recycling, control of agricultural pests, control of invasive plants, and food for humans and wildlife. Insects are so important that if they suddenly disappeared, life as we know it on Earth would cease to exist.

OSU has a long track record of entomology graduates going on to achieve notable careers in private business, academia, government, medicine, veterinary science and the armed forces.

Fast Fact: OSU is one of only 12 universities in the nation that offers a bachelor's degree in entomology. It is the only one in the state of Oklahoma.

Alumni Spotlight

Mackenzie Jochim

*Bachelor of Science in Entomology, 2013
Student, OSU Veterinary School of Medicine*

"I chose Entomology because I felt like I fit in and I liked how the Department of Entomology and Plant Pathology saw me as a person and not a number," Jochim said. "It was also a unique major that allowed me to track towards veterinary school. The entire department felt like a giant family, and I loved all of the one-on-one time I received with the faculty.

"Because it is not a huge department, they were basically accessible any time I needed help. It was a place where I could succeed and really expand my skills. I was never held back, and always pushed to take that next leap to further my career. That mindset and my degree in entomology are both helping me now that I am in veterinary school because there is so much medical emphasis in my current studies. My entomological background gave me a solid base of understanding in animal parasites and pathogens."

CASNR Fast Facts

>>> Faculty Advising <<<

40+

Student Organizations

\$1.4

Million in Scholarships each year

13:1

Student to Faculty Ratio

45 States Represented

4 out of 15

OSU Outstanding Seniors

Expanding Minds, Inspiring Purpose

College of Agricultural Sciences & Natural Resources

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