



ENTOMOLOGY

where will this **PATH** take you?

join the revolution

The field of entomology is the intensive study of insects and related arthropods, the most abundant and diverse group of organisms on earth. The Department of Entomology and Plant Pathology at Oklahoma State University offers a B.S. degree in Entomology and M.S. and Ph.D. degrees in Entomology and Plant Pathology. Students can choose between two emphasis areas in the B.S. degree plan: a General Entomology emphasis area and a Biotechnology emphasis area.

interest areas

General Entomology

This emphasis area stresses traditional entomology and agricultural courses and prepares students for careers in many areas, especially those related to ecology and insect control, state and federal regulatory entomology, and agribusiness. It is designed to provide an excellent science background, and many students use this emphasis area to prepare for graduate study or as preparation for positions that support field research programs.

Biotechnology

This emphasis area stresses courses such as biochemistry, microbiology, cellular biology and physics, which prepare students for careers in biotechnology. These courses are taken in combination with hands-on training, which students receive while working in laboratories with faculty in the department who conduct research in biotechnology.

continued education

Both the General Entomology and the Biotechnology options can readily be adapted so the student meets prerequisite courses for most veterinary and medical schools. In addition, students who maintain a 3.0 or higher GPA exceed all the requirements for admission to any Entomology graduate program in the United States.

career opportunities

A degree in Entomology qualifies students for a wide range of career opportunities that include private industry; county, state and federal positions; private, government and university research laboratories; and teaching positions in high schools, colleges and universities.

work experience

All Entomology undergraduates are encouraged to work part-time in laboratories or field research projects of faculty members. Opportunities to work in laboratories or field research environments provides valuable training and experience that makes students much more competitive in job markets. Also, students often are placed in internship positions during the last one or two years of their undergraduate degree programs.

personal attention

All students are provided personal, one-on-one advising from departmental advisers. Faculty doors are always open for personal consultation with students. All students are considered a valuable part of the departmental family and are encouraged to participate in research and extension.

for more information

Department of Entomology and Plant Pathology
127 Noble Research Center
Stillwater, OK 74078
(405) 744-5527

Check us out on the Web at www.casnr.com



roads TRAVELED



Entomology Alumni Profile:

Name:

Paul Neese
Westfield, Ind.

Current Occupation:

Product Technology Specialist

Paul's Story:

Is it bugging you that you don't know what career you want? Paul Neese didn't know exactly what he wanted to do when he started his college career, but he soon discovered his calling.

"After taking Introduction to Entomology during my freshman year, I decided that I wanted this to be my occupation," Paul said. "I was given the opportunity to participate in Entomology research, and from that point on, I knew I wanted a career in Entomology, conducting research on insect control."

And Paul is doing just that. He is currently working as a Product Technology Specialist at Dow AgroSciences. In this position, Paul is responsible for research and development of Dow AgroSciences Pest Management products in the Midwest. In addition, he is responsible for conducting early-stage proof of concept evaluations for the Ag Chem/Urban Pest Global Business Unit.

"This includes development of research plans, budgeting of research funds and work days for projects within Pest Management, include initiating cooperative research trials with influential University and Government researchers," Paul said.

What Paul likes most about his job is that he is not confined to a headquarter setting, such as an office or laboratory.

"Being a field-based employee allows me a variety of job settings and research projects," said Paul. "My role in Product Technology allows me the freedom to work from my home office and travel to conduct my research. Through my travels, I have the opportunity to work with people from many companies and universities."

If Paul's career in Entomology sounds interesting to you, make a beeline to the Department of Entomology and Plant Pathology.

"My background provided a solid, well-rounded education that allows me to solve a myriad of problems I encounter during my professional career."

- Paul Neese
CASNR Graduate

MILE MARKERS

Emphasis Areas:

- General
- Biotechnology

Excellent Preparation For:

- Medical School
- Veterinary Medicine
- Graduate School

Department Research

- All entomology undergraduates are encouraged to work part-time in faculty research laboratories

Student Organizations:

- Sanborn Entomology Club

Scholarships:

- Four entomology scholarship funds are endowed for continuing students
- Over \$400,000 in scholarships are awarded through the college each year

which PATH are you taking?

Careers for Entomology Graduates:

- Forensics
- Integrated Pest Management
- Research and/or Extension
- Consulting
- Teaching
- Public Health
- Insect Identification
- Biology
- Ecology
- Physiology
- Biochemistry
- Population Dynamics
- Medical & Veterinary Entomology

Oklahoma State University
<http://www.okstate.edu>



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