

What can I do with a degree in... Zoology

The curriculum provides a broad background in chemistry and biological science and permits flexibility in meeting student interest. Courses in biochemistry are based on general, organic and analytical chemistry. The biochemistry and molecular biology curriculum provides students with sufficient background in the basic sciences of mathematics, physics, chemistry and biology to meet the needs for graduate study in most fields of modern science related to agriculture or medicine. The curriculum is excellent for pre-professional students of medicine, dentistry and veterinary medicine.

The Department of Zoology website: <http://zoology.okstate.edu/>

Zoology majors develop the following skills:

Students who study zoology gain a variety of skills of value to employers, including the ability to:

- understand genetic, cellular, physiological, ecological and evolutionary principles
- demonstrate a solid foundation in related disciplines of chemistry, physics and mathematics
- demonstrate appreciation of the diversity of life
- understand current issues in biology
- critically evaluate scientific evidence
- engage in scientific inquiry using quantitative problem solving, critical thinking, and conceptual skills
- plan and execute experiments
- understand biological complexity and the interrelationship of humans and natural systems
- access information from various electronic and print sources
- apply theoretical knowledge to practical situations
- be proficient with accurate details
- clearly communicate scientific information orally and in writing
- a foundation for graduate level study

College of Arts & Sciences Career Success E-Guide

Provided to all new, incoming students as an introduction to career planning process

If you don't have an E-Guide...Get one!!!

Visit the A&S Career Services Office

Questions?

College of Arts & Sciences Career Services
Student Success Center, LSE 2nd Floor
Stillwater, OK 74078-3016

Visit the A&S website to make an appointment to see a Career Consultant @

<http://ascareers.okstate.edu>

Build Skills Beyond the Classroom:

- Join related clubs, professional associations, & organizations
- Athletics/Sports
- Military
- Part-time Employment (Summer/Work Study)
- Internships/Job Shadowing
- Travel/Work Abroad
- Volunteer/Community Service

Job & Internship Web Sites

- **American Zoo and Aquarium Association**
<http://www.AZA.org>
- **American Association of Zoo Veterinarians**
<http://www.aazv.org>
- **Association of Zoological Horticulture**
<http://www.azh.org>
- **The Oceanography Society**
<http://www.tos.org>
- **Environmental Career Opportunities**
<http://www.ecojobs.com/>
- **Environmental Careers Organization**
<http://www.eco.org/>
- **Environmental Career.com**
<http://environmental-jobs.com/>
- **Sea World**
<http://www.seaworld.org/careers/careerinfo.html>
- **Federal Jobs**
www.usajobs.opm.gov
- **Office of Science**
www.scied.science.doe.gov
- **National Science Foundation**
<http://www.nsf.gov>
- **NASA**
www.nasajobs.nasa.gov
- **National Parks Service**
<http://www.nps.gov>
- **National Institute of Environmental Health Sciences**
www.niehs.nih.gov/summers
- **Tulsa City Zoo**
<http://www.tulsazoo.com>
- **Oklahoma City Zoo**
<http://www.okczoo.com>
- **Jobs Abroad**
<http://www.jobsabroad.com/listings.cfm?kinterntype=103>
- **Student Conservation Association**
<http://www.thesca.org/>

Sample Careers for Zoology Majors

Potential Career Paths Include

The zoology major requirements can be tailored to prepare you for advanced study and/or enhance your career prospects in many different areas: health professions and public health; law; life sciences research in university, government, and industrial settings; education including museum, nature center, secondary school and college teaching; scientific writing or illustration, biotechnology; environmental planning; natural resource management; and much more.

Biological Sciences

Biological and medical scientists study living organisms and their relationship to the environment. They research problems dealing with life processes. Most specialize in some area of biology such as zoology or microbiology. Many are involved in research and development of new drugs and medical treatments.

Physiology

Physiology is the study of live, specifically how cells, tissues and organisms function. Physiologists are constantly trying to answer key questions in areas ranging from the functions of single cells to the interactions between human populations and the environment.

Zoology

Zoologists study living organisms, particularly people and animals. The work of zoologists is very important in industries such as medicine and medical research and development, veterinary medicine and wildlife conservation.

Typical job titles for zoology graduates with a bachelor's degree are:

Animal caretaker	Biology assistant
Computer specialist	Cytogenetic technician
Electron microscope technician	Energy analyst
Environmental educator	Laboratory technician
Maintenance technician	Museum collections manager
Parasitology specialist	Parks naturalist
Research technician	Sales representative
Veterinary technician	Zookeeper

Sample of Related Occupations

Wildlife Biologist	Geneticist	Fishery Biologist
Biochemist	Marine Biologist	Cattle Rancher
Farmer/Rancher Manager	Curator	Educator
Forester	Laboratory Technician	Public Health Specialist
Humane Society Worker	Animal Lab Technician	Conservationist
Ecologist	Science Writer	Cooperative Extension
Zookeeper	Park Ranger	Nutritionist
Pharmaceutical Sales Rep.	Veterinarian	

Types of Employers

Arboretums	Botanical Gardens	Colleges & Schools
Cosmetic Companies	Food Processors	Energy Departments
Fish and Wildlife Service	National Institutes	Patent Office
VISTA	Hospitals/Clinics	Lumber Companies
Medical Laboratories	Museums	Nurseries
Aquariums	Chemical Industries	Consulting Firms
Medical Office	Agricultural Departments	Environmental Protection Agency
Health and Human Services	National Science Foundation	Peace Corps
Hatcheries	Libraries	Medical Supply Companies
National and State Parks	Pharmaceutical Companies	

The College of Arts & Sciences
Career Services offers:

**Arts & Sciences 4111
Job Search Strategies Course**
(AS 4111) 1 Credit Course

Arts & Sciences Majors (for Juniors & Seniors only)
For Course description visit the Arts & Sciences
Career Services website: <http://ascareers.okstate.edu>

For further research on career & employment options, utilize any internet search engine. The following websites are a great place to begin your research:

www.monstertrak.com www.mymajor.com
www.quintcareers.com www.monster.com
www.careerbuilder.com www.bls.gov/oco
www.experience.com www.jobcentral.com