What to do with a degree in...

http://zoology.okstate.edu/

Zoology

Zoology is a life science degree that provides students with a thorough background in the biology of animals. Zoology majors take courses in vertebrate and invertebrate zoology, ecology, evolution, genetics, and physiology. Students also select coursework in their chosen field. The degree program prepares students for graduate school and for many applied and professional careers, including field or lab research, animal care, animal conservation, education and public outreach.

Curriculum

- Core content of knowledge including understanding of the basic principles of ecology, genetics and cell biology.
- Advanced knowledge in the biodiversity, evolution, ecology and physiology of animals.
- Critical thinking and ability to summarize and evaluate basic information concerning biological systems.
- Ability to present scientific information clearly and concisely.
- Prepared for admission into programs of graduate study, schools of human and veterinary medicine, and related health professions or for entry into the job market in fields related to the life sciences.

Zoology majors develop the following skills:

Job and Internship Websites

- American Society for Clinical Laboratories http://www.ascls.org
- American Zoo and Aquarium Association http://www.AZA.org
- American Association of Zoo Veterinarians http://www.aazv.org/?page=840
- Association of Zoology Horticulture http://www.azh.org
- Ecolog Listserve https://listserv.umd.edu/archives/ecolog-l.html
- Environmental Career Opportunities http://www.ecojobs.com
- Environmental Careers Organization http://www.eco.org
- Oklahoma Aquarium http://www.okaquarium.org
- National Institute of Environmental Health Sciences http://www.niehs.nih.gov/careers/jobs/index.cfm
- National Parks Service http://www.nps.gov/index.htm
- Research Gate http://researchgate.net/jobs/
- Sea World http://seaworld.org/en/career-resources/
- Science Careers http://www.sciencecareers.org
- Student Conservation Association http://www.thesca.org
- The Oceanography Society http://tos.org
- TAMU Wildlife and Fisheries Jobs Board http://wfscjobs.tamu.edu/job-board/
- Tulsa Zoo http://www.tulsazoo.com
- Turpentine Creek Big Cat Refuge http://www.turpentinecreek.org/

Get Involved

American Medical Student Association
American Student Dental Association
OSU Botanical Society
ECO–OSU
Environmental Science Club
OSU Herpetology
Pre-Health Professionals Club
Pre-Optometry Student Association
Pre-Veterinary Club

https://campuslink.okstate.edu/

College of Arts & Sciences Career Services
213 Life Science East
Tel: 405 744 5658

For appointments and resources: http://cascareers.okstate.edu
Zoology is a biological science that focuses on living organisms. Zoologists study the evolution, behavior, ecology and physiology of animals, including humans, in their natural habitats and through lab experiments and modeling.

**Environmental management and conservation:** Zoologists pursuing careers in management and conservation focus on solving environmental challenges and preserving our planet for future generations. Career opportunities can be found in a wide range of areas such as private sector jobs in ecology or preservation, wildlife rehabilitation or rescue facilities, federal and state parks and agencies or not-for-profit organizations.

**Research:** Researchers study animal and human physiology, ecology and evolution using the latest scientific tools and practices. Research can focus on the natural environment or help us better understand how living systems function.

**Health care:** Zoologists often continue their education with specialized training and pursue careers in veterinary medicine, medicine, dentistry, physical therapy, nursing, pharmacy and other related fields.

**Aquariums, parks, nature preserves, botanical gardens, museums and zoos:** Scientists might lead tours and nature hikes or they might teach informational programs for the general public. Not only do zoologists teach complex subjects to their general audiences, but they also might be required to write grants, write informative articles, create exhibits and work with community leaders or supporters.

**Education:** Educators can work with students of all ages in a variety of settings. Zoologists can find opportunities in the classroom, in the field or in a research laboratory. They may also communicate science to the public. For example, they might create educational exhibits for museums or health centers, serve as consultants, write science articles published in newspapers, magazines and books or develop educational films and television programs.

**Biotechnology:** Zoologists apply scientific principles to develop and enhance products, tools and technological advances in fields such as agriculture, food science and medicine. Scientists may work in genetic engineering, pharmaceutical development, or medical technologies, such as nanomedicine, or as a lab technician. Scientists can work with drug companies, manufacturers or developers of products and services in the testing, development and production stages.

**Politics and policy:** Zoologists may work with congressional representatives to facilitate the development of new legislation on a variety of topics including conservation and preservation, biomedical research and other related areas as consultants or political advisors.


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**Types of Employers**

**Environmental/Outdoors**
- Aquariums/Marine Parks
- Botanical Gardens
- Hatcheries
- Museums
- National and State Parks
- National Science Foundation
- Nurseries

**Health and Research**
- Chemical Industries
- Forensic Science Labs
- Health and Human Services
- Hospitals/Clincs
- Medical Offices or Services
- Medical Supply Companies
- Pharmaceutical Companies
- Research or Medical Laboratories

**Government and Education**
- Agricultural Departments
- Colleges and Universities
- Corps of Engineers
- Energy Companies
- Food Processors
- Libraries
- Peace Corps