



Zoology

College of Arts and Sciences

Degree

Bachelor of Science in Zoology

Degree Options

General

Accelerated Pre-Veterinary

Pre-Veterinary/Animal Care

Pre-Medicine/Pre-Dentistry

Minors

Zoology

Certificate

Certificate in Quantitative Biology

Student Clubs of Interest

- Biology club
- Zoology Club
- Raptor Club and Rehabilitation Program
- Scientista
- Pre-Health Professions:
- Minority Association of Pre-Health Students (MAPS)
- Pre-Dental Club
- Pre-Health Club
- Pre-Nursing Club: Rho Nu
- Pre-Pharmacy Club
- Pre-Physician Assistant Club
- Pre-PT/OT Club
- Pre-Vet Club (AKA Organization of Future Veterinarians)

Career Options

- Medicine, dentistry, and health fields
- Physical and occupational therapy
- Veterinary medicine
- Animal care and rehabilitation
- Zoo and marine park administration

- Fisheries and wildlife biology
- Conservation and resource management
- Ecologist
- Environmental assessment
- Biotechnology and genetic engineering
- Forensics and pathology
- Public policy
- Science education
- Science writing and journalism

Admission to the Major Requirements

Admission to the Zoology major a 2.0 GPA at WSU.

Suggested Classes for First-Year Students

Two science or math classes

OR

One science and one math

PLUS

Two non-science classes each semester

Suggested Classes for Transfer Students

Core biology, physical sciences, mathematics, and statistics requirements and electives

Math Requirement

Math 140: Calculus for Life Scientists

OR Math 171: Calculus I

Core Courses

Biology 106: Introductory Biology: Organismal Biology

Biology 107: Introductory Biology: Cell Biology and Genetics

Biology 301: General Genetics

Biology 372: General Ecology

OR Biology 370: Ecology of Health and Disease



WASHINGTON STATE
UNIVERSITY

Zoology

College of Arts and Sciences

Biology 395: Evolutionary Biology

OR Biology 403: Evolutionary Biology

OR Biology 405: Principles of Organic Evolution

Chemistry 105: Principles of Chemistry I

Chemistry 106: Principles of Chemistry II

Chemistry 345: Organic Chemistry I

Math 140: Calculus for Life Scientists

OR Math 170: Calculus I

Physics 101 and 102: General Physics

OR Physics 201 and 202: Physics for Scientists and Engineers

Statistics 212: Introduction to Statistical Methods

OR Statistics 412: Statistical Methods in Research

Program Strengths

- Build a strong foundation in the sciences.
- Use options to focus on depth and breadth of interest areas.
- Courses cover zoology: development, comparative physiology, human physiology, comparative anatomy, human anatomy, human nutrition, organismal biology (fishes, reptiles, amphibians), birds, and mammals, conservation biology, disease biology, genetics and genomics, ecology, and evolutionary biology.
- Small class sizes in advanced courses.
- Opportunities for one-on-one research with biology faculty, including field and laboratory experiences.
- Students gain skills in research design, data analysis, DNA and cell biological techniques, physiological diagnostics, ecological and environmental assessment, phylogenetic and evolutionary analysis, global complex systems analysis,

computer modeling and simulations, scientific writing, and professional communications.

- Coursework and experiences designed to prepare students for graduate and professional schools.
- Math, science, and engineering community residence halls with other entering students in same classes provide opportunities for group study, tutoring, and computer lab access.
- Conner Museum of Natural History has animal skins, skeletons, and taxidermy mounts for research and study.

For more information:

sbs.wsu.edu

sbs@wsu.edu

509-335-3553

Professional Advisors

Brooke Wolf, Ed.M.

Academic Advising Manager

wolfb@wsu.edu

Abelson 301C

509-335-3553

Susan Schroeder

Academic Coordinator / Advisor 2

schroedersa@wsu.edu

Abelson 301E

509-335-3553

Dawn Pollard

Academic Coordinator / Advisor 1

dawn.pollard@wsu.edu

Abelson 301D

509-335-3553

R. Dave Evans

Professor and Associate Director

rdevans@wsu.edu

509-335-3553