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
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, 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.

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