

ZOOLOGY, BS

The Zoology major is a gateway to the diverse areas of modern biology with a focus on animal biology. The major can be tailored to prepare students for advanced study and careers in many different areas: veterinary medicine; health professions and public health; law; life sciences research in university, government, and industrial settings; education including museum, nature center, secondary and college education; biotechnology; and environmental studies.

Students in the Zoology major have the flexibility to focus on various areas in biological science, including:

- ecology, evolution, and animal behavior;
- anatomy, physiology, and organismal biology;
- and cellular, molecular, and developmental biology.

Students in Zoology learn about aquatic ecosystems, vertebrate anatomy, identifying various birds, and the development of animals.

The department encourages undergraduate participation in research and offers summer research scholarships (<https://integrativebiology.wisc.edu/undergraduate-student-scholarships/>) to outstanding students.

The Zoology major emphasizes critical thinking and conceptual skills that come from an understanding of how scientific information is obtained and evaluated, and of how this information can be applied to societal issues. The major provides a solid foundation in genetic, cellular, physiological, ecological, and evolutionary principles, and in the related disciplines of chemistry, physics, and mathematics. As a result, the major fosters an understanding of biological complexity including the interrelationships among humans and natural systems.

The unique characteristics of the zoology major include:

- broad-based, yet integrated training in wide-ranging areas of biology;
- solid foundation of basic principles and processes in biology;
- flexibility and advising needed to allow students to tailor the major to their specific goals;
- wide range of opportunities for undergraduate involvement in independent research and senior thesis.