

APPLIED ECOLOGY (WILDLIFE)

Available to both MS and PhD candidates.



Contact Information

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Students in the Applied Ecology specialization focus on the interactions among ecosystem components. This specialization is designed for students interested in applying ecological principles to the management of terrestrial and aquatic ecosystems.

Faculty members within the Applied Ecology specialization have a strong record of collaboration with other departments and colleges on campus, state and federal agencies, and a wide variety of stakeholders at state, national, and international levels. Graduate students seeking a MS or PhD specialization in Applied Ecology from SNR will find a variety of options available to help tailor the program to her or his unique interests.

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Faculty Advisors

Dr. Craig Allen | callen3@unl.edu

Adaptive Management, biological invasions, spatial ecology, resilience of the ecosystem, fish and wildlife research unit/graduate education, ecology, ecosystems ecology/resilience, invasive species/invasion ecology

Dr. John Benson | jbenson22@unl.edu

Wildlife population dynamics, animal movement & resource selection, genetic-demographic interactions in small populations, conservation & management

Dr. Mary Bomberger Brown | mbrown9@unl.edu

Tern and Plover conservation partnership, ornithology, wildlife ecology, conservation, birds, urban wildlife

Dr. Mark Burbach | jcarroll2@unl.edu

Human dimensions of natural resource management, pro-environmental behavior, environmental leadership

Dr. John Carroll | mburbach1@unl.edu

Wildlife ecology and management, agroecosystems, game, wildlife, ornithology, conservation, ecology, population dynamics, distribution, agrotourism and ecotourism, natural History

Dr. Chris Chizinski | cchizinski2@unl.edu

Human dimensions of natural resources, wildlife, fisheries, social-ecological systems

Dr. TJ Fontaine | jfontaine2@unl.edu

Adaptive management, avian migration, avian nesting biology, climate change, habitat selection, human impact biology, life history evolution, K-12 natural resource education

Dr. Leon Higley | lhigley1@unl.edu

Physiological ecology, conservation biology, forensic science, insect ecology, plant-insect interactions, insect pest management, ethics in science, entomology

Dr. Larkin Powell | lpowell3@unl.edu

Wildlife population ecology, avian ecology, conservation biology, management of private lands, wildlife habitat use, decision-making

Dr. Drew Tyre | atyre2@unl.edu

Statistical ecology, simulation modeling, population dynamics/ecology, structured decision making

Dr. Dave Wedin | atyre2@unl.edu

Ecological studies using stable isotopes, ecosystem science, forest/grassland ecology, plant-soil interactions, carbon and nitrogen cycling, ecohydrology, urban forestry, landscape ecology