



ARKANSAS TECH
UNIVERSITY

Program Learning Outcomes

<i>College/School</i>	Natural and Health Sciences
<i>Department</i>	Biological Science
<i>Program</i>	BS Fisheries and Wildlife
<i>Link to Program Home</i>	https://www.atu.edu/biosciences/index.php

Students who complete the program will demonstrate:

- Students will be proficient at oral and written communication. Students will be able to integrate information from several sources to produce a cogent report or presentation.
- Students will have a solid foundation in basic biological principles, general ecological principles, and a working knowledge of forest ecology and management, wetlands ecology, or limnology.
- Students will have a working knowledge of basic fisheries and wildlife management principles including: understanding how habitat manipulations are used to manage fish and wildlife; recognizing important state and federal laws that regulated natural resources; and understanding how the human dimension influences fisheries and wildlife professions.
- Students will have good Fisheries and Wildlife quantitative and analytical skills including: proficiency in identification and knowledge of taxonomy and life history characteristics of regional mammals, birds, or fish; working knowledge of methods to age, sex, capture, and mark fish and wildlife; and demonstrating a basic ability to use GPS equipment, aerial photographs, and maps for fish and wildlife management purposes.
- Students will have good field skills including: proficiency in word processing, production of graphs for reports, use of spreadsheets, preparing presentations; understanding of basic statistical concepts; and a working knowledge of population dynamics principles.
- Students will exhibit professionalism including understanding the ethics of scientific research and abiding by the standards of professional conduct established by the American Fisheries Society or The Wildlife Society.