



University of Idaho

Department of Fish
and Wildlife Sciences

Wildlife Sciences

Recommended 4-Year Plan | 2024/2025

Training the Next Generation of Wildlife Professionals

The Bachelor of Science in Wildlife Sciences focuses on the ecology, conservation, and management of wildlife species and their natural habitats. In this degree offered through the Department of Fish and Wildlife Sciences, our students learn to apply the principles of biology and ecology to understand how wildlife interact with each other and with their environment and how to address management challenges associated with a growing human population. Our degree emphasizes critical thinking and hands-on learning through coursework, field and laboratory experiences, and our graduates are equipped to be successful natural resource managers, conservation officers and scientists in a rapidly changing world. Our graduates pursue careers with state, federal, tribal and private organizations involved with: managing wildlife populations and their habitat, conservation law enforcement, zoo and captive animal care, biological monitoring, environmental impact assessment, and conservation of endangered wildlife and ecosystems.

FRESHMAN

FALL

COURSE		CREDITS
CHEM 101/101L -Intro to Chemistry & Lab OR CHEM 111/111L	Science	2
COMM 101 -Fundamentals of Oral Communication		4
ENGL 101*-Writing & Rhetoric I (sufficient test score)	Writ Comm	3
MATH 143-College Algebra	Math	3
NR 101-Exploring Natural Resources		3

TOTAL 15

SPRING

COURSE		CREDITS
WLF 102-The Fish & Wildlife Professions		1
BIOL 114-Organisms & Environments	Science	4
ENGL 102*-Writing & Rhetoric II (ENGL 101)	Writ Comm	3
Emphasis Area Requirement		
Emphasis Area Requirement		

TOTAL 14-15

SOPHOMORE

FALL

COURSE		CREDITS
WLF 201-Fish & Wildlife Applications I (NR 101)		2
WLF 220 OR FOR 221-Principles of Ecology OR NR 321-Ecology		3
FOR 235-Society & Natural Resources	Social Sci	3
BIOL 115/115L-Cells & the Evolution of Life & Lab (CHEM 101 or 111)		4
STAT 251*-Statistical Methods (MATH 108, 143, 160, or 170; or sufficient score)		3

TOTAL 15

SPRING

COURSE		CREDITS
WLF 370-Management & Communication of Scientific Data		3
BIOL 213-Principles of Biological Structure & Function (BIOL 115)		4
American Diversity Course Except Option A, See Emphasis Requirements		3
Emphasis Area Requirement		
Emphasis Area Requirement		

TOTAL 14-17

WILDLIFE SCIENCES

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JUNIOR

FALL

SPRING

COURSE	CREDITS
WLF 314-Ecology of Terrestrial Vertebrates (FOR/REM 221, WLF 220, or BIOL 314)	3
WLF 315-Wildlife Techniques Lab (WLF 314)	2
FOR 220-Forest Biology & Dendrology (BIOL 114 or PLSC 205) OR REM 341*-Systemic Botany (BIOL 115 & 213 or PLSC 205) OR REM 252-Wildland Plant ID AND REM 253-Wildland Plant ID Field Studies (REM 252)	3
Emphasis Area Requirement	3
Emphasis Area Requirement	3

TOTAL 14

COURSE	CREDITS
WLF 371-Physiological Ecology of Wildlife (BIOL 213) Except Option A, See Emphasis Requirements	3
WLF 448-Fish and Wildlife Population Ecology (STAT 251 & MATH 160 or 170)	4
International Course	2-3
Emphasis Area Course	3
Emphasis Area Course	3

TOTAL 14-15

SENIOR

FALL

SPRING

COURSE	CREDITS
WLF 411-Wildland Habitat Ecology & Assessment (STAT 251) Except Option A, See Emphasis Requirements	2
WLF 440*-Conservation Biology (FOR/REM 221, WLF 220, or BIOL 314)	3
FOR/NRS 375-Intro to Spatial Analysis for NR Mgmt (College algebra)	3
Restrictive Elective: Organismal Biology	3
Elective Course	3
Emphasis Area Requirement	1

TOTAL 15

COURSE	CREDITS
WLF 492-Wildlife Management (WLF 314, 448, & Sr Standing)	4
Restrictive Elective: Organismal Biology	3-4
Elective Course	3
Emphasis Area Requirement	
Emphasis Area Requirement	

TOTAL 14-16

EMPHASIS AREAS:

CREDITS

A. CONSERVATION LAW ENFORCEMENT

CRIM 101-Introduction to Criminology
PHIL 103-Introduction to Ethics
PSYC 101-Introduction to Psychology
SOC 101-Introduction to Sociology
WLF 205-Wildlife Law Enforcement
WLF 440-Conservation Biology
WLF 448-Fish and Wildlife Population Ecology
WLF492-Wildlife Management

Select one of the following:

CHEM 101/101L OR CHEM 111/111L

Select one of the following:

GEOL 101/101L OR PHYS 100/100L OR PHYS 111/111L OR SOIL 205/SOIL205L

MATH 143 OR MATH 160, OR MATH 170

Select one of the following:

FOR 220 OR REM 341 OR REM 252 & REM 253

Select one of the following:

FISH 314 OR FISH 430 OR WLF 371 OR WLF 411

Select two of the following:

COMM 233 OR COMM 335 OR COMM 410 OR NRS 387 OR NRS 311 OR NRS 364 OR NRS 383 OR NRS 462

Select one of the following:

CRIM 301 OR CRIM 339 OR CRIM 334 OR CRIM 415 OR CRIM 439 OR PSYC 319 OR PSYC 320 OR SOC 201 OR SOC 230 OR SOC 343 OR SOC 420

C. WILDLIFE SCIENCE & MANAGEMENT EMPHASIS

WLF 371-Physiological Ecology of Wildlife
WLF 411-Wildland Habitat Ecology & Assessment
WLF 440-Conservation Biology
WLF 448-Fish and Wildlife Population Ecology
WLF 492-Wildlife Management

Select one of the following:

CHEM 101/101L OR CHEM 111/111L

Select one of the following:

GEOL 101/101L OR PHYS 100/100L OR PHYS 111/111L OR SOIL 205 & SOIL206L

Select one of the following:

MATH 160 OR MATH 170

Select one of the following:

FOR 220 OR REM 341 OR REM 252 & REM 253

Select one of the following:

BIOL 310 OR GENE 314

Select one of the following:

CHEM 275 OR CHEM 277

Select two of the following:

COMM 410 OR FOR/NRS 484 OR NRS 387 OR NRS 462 OR WLF 205 OR NRS 311 OR NRS 383 OR NRS 364 OR NRS 386 OR NRS 475 OR NRS 488

INTERNSHIP

FISH/WLF 398-Renewable Natural Resources
Internship (Fall, Spring, or Summer)

2

B. HUMAN-WILDLIFE INTERACTIONS EMPHASIS

WLF 371-Physiological Ecology of Wildlife
WLF 411-Wildland Habitat Ecology & Assessment
WLF 440-Conservation Biology
WLF 448-Fish and Wildlife Population Ecology
WLF 492-Wildlife Management
ECON 202-Principles of Microeconomics
NRS 310-Social Science Methods
NRS 311-Public Involvement in Natural Resource Management
NRS 383-Natural Resource and Ecosystem Service Economics
NRS 388-Managing Complex Environmental Systems

Select one of the following:

HIST 424 OR NRS 462 OR NRS 475 OR NRS 488

Select one of the following:

CHEM 101/101L OR CHEM 111/111L

Select one of the following:

MATH 143 OR MATH 160 OR MATH 170

Select one of the following:

REM 341 OR REM 252 & REM 253

Select one of the following:

HIST 316 OR AIST 445 OR AIST 453

Select one of the following:

ANTH 420 OR COMM 410 OR NRS 387 OR POLS 439 OR PSYC 320 OR SOC 340

ORGANISMAL BIOLOGY - CHOOSE TWO COURSES

BIOL 483-Mammalogy
BIOL 489-Herpetology
FISH 481-Ichthyology
WLF 482-Ornithology

Ready to Get Started?
Email cnradvising@uidaho.edu



- This academic plan is intended as a guideline only and does not replace academic advising.
- 120 credits minimum are required for a B.S. in Wildlife Sciences.
- Minimum of 36 upper-division credits required to graduate.
- See course catalog and department website for complete degree requirements and additional information.
- Both Online & In-Person options are offered
- Online only offered

Students pursuing a B.S. Degree in Wildlife Sciences must have recieved a grade of 'C' or better in the following four indicator courses to register for FISH or WLF upper-division courses and to graduate with a B.S.: BIOL 114, BIOL 213, WLF 220 or FOR 221, OR NR 321, and STAT 251.

To graduate, students must achieve a grade of 'C' or better in each FISH or WLF upper-division course listed in the requirements for the B.S. degree.