University of Idaho
Department of Fish and Wildlife Sciences

Wildlife Sciences

Recommended 4-Year Plan

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 1101/1101L - Intro to Chemistry & Lab OR CHEM 1111/1111L	Science	2
COMM 1101 - Fundamentals of Oral Communication		4
ENGL 1101* - Writing & Rhetoric I (sufficient test score)	Writ Comm	3
MATH 1143 - College Algebra	Math	3
NR 1010 - Exploring Natural Resources		3

TOTAL 15

SPRING

COURSE		CREDITS
WLF 1020 - The Fish & Wildlife Professions		1
BIOL 1140 - Organisms & Environments	Science	4
ENGL 1102* - Writing & Rhetoric II (ENGL 1101)	Writ Comm	3
Emphasis Area Requirement		
Emphasis Area Requirement		

TOTAL 14-15

SOPHOMORE

FALL

COURSE		CREDITS
WLF 2010 - Fish & Wildlife Applications I (NR 1010)		2
WLF 2200 **OR** FOR 2210 - Principles of Ecology **OR** NR 3210 - Ecology		3
FOR 2350 - Society & Natural Resources	Social Sci	3
BIOL 1150/1150L - Cells & the Evolution of Life & Lab (CHEM 1101 or 1111)		4
STAT 2510* - Statistical Methods (MATH 1080, 1143, 1160, or 1170; or sufficient score)		3

TOTAL 15

SPRING

COURSE	CREDITS
WLF 3700 - Management & Communication of Scientific Data	3
BIOL 2130 - Principles of Biological Structure & Function (BIOL 1150)	4
American Experience Course Except Option A, See Emphasis Requirements	3
Emphasis Area Requirement	
Emphasis Area Requirement	

TOTAL 14-17

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WILDLIFE SCIENCES

Recommended 4-Year Plan

JUNIOR

FALL

COURSE	CREDITS
WLF 3140 - Ecology of Terrestrial Vertebrates (FOR/REM 2210, WLF 2200, or BIOL 3140)	3
WLF 3150 - Wildlife Techniques Lab	2
FOR 2200 - Forest Biology & Dendrology (BIOL 1140 or PLSC 2050) **OR** REM 341* - Systemic Botany (BIOL 1150 & 2130 or PLSC 2050) **OR** REM 2520 - Wildland Plant ID **AND** REM 2530 - Wildland Plant ID Filed Studies (REM 2520)	3
Emphasis Area Requirement	3
Emphasis Area Requirement	3
TOTAL 14	

SPRING

COURSE	CREDITS
WLF 3710 - Physiological Ecology of Wildlife (BIOL 2130) Except Option A, See Emphasis Requirements	3
WLF 4480 - Fish and Wildlife Population Ecology (STAT 2510 & MATH 1160 or 1170)	4
International Course	2-3
Emphasis Area Course	3
Humanistic & Artistic Ways of Knowing	3
TOTAL 14-15	

SENIOR

FALL

COURSE	CREDITS
WLF 4110 - Wildland Habitat Ecology & Assessment (STAT 2510) Except Option A, See Emphasis Requirements	2
WLF 4400* - Conservation Biology (FOR/REM 2210, WLF 2200, or BIOL 3140)	3
FOR/NRS 3700 - Intro to Spatial Analysis for NR Mgmt or NR3210 (College algebra)	3
Restricted Elective: Organismal Biology	3
Elective Course	3
Emphasis Area Requirement	1
TOTAL 15	

SPRING

COURSE	CREDITS
WLF 4920 - Wildlife Management (WLF 3140, 4480, & Sr Standing)	4
Restricted Elective: Organismal Biology	3-4
Elective Course	
Emphasis Area Requirement	3
Emphasis Area Requirement	
TOTAL 14-16	

INTERNSHIP	CREDITS
FISH/WLF 3980 - Renewable Natural Resources Internship (Fall, Spring, or Summer)	2

EMPHASIS AREAS:

A. HUMAN-WILDLIFE INTERACTIONS EMPHASIS

WLF 3710 - Physiological Ecology of Wildlife
WLF 4110 - Wildland Habitat Ecology & Assessment
WLF 4400 - Conservation Biology
WLF 4480 - Fish and Wildlife Population Ecology
WLF 4920 - Wildlife Management
ECON 2202 - Principles of Microeconomics
NRS 3100 - Social Science Methods
NRS 3110 - Public Involvement in Natural Resource Managament
NRS 3830 - Natural Resource and Ecosystem Service Economics
NRS 3860 - Managing Complex Environmental Systems
Select one of the following:
HIST 4240 OR NRS 4620 OR NRS 4750 OR NRS 4880
Select one of the following:
CHEM 1101/1101L OR CHEM 1111/1111L
Select one of the following:
MATH 1143 OR MATH 1160 OR MATH 1170
Select one of the following:
REM 3410 OR FOR 2110 OR REM 2520 & REM 2530
Select one of the following:
HIST 3160 OR AIST 4450 OR AIST 4530
Select one of the following:
ANTH 4200 OR COMM 4100 OR NRS 3870 OR POLS 4390 OR PSYC 3200 OR SOC 3400

B. CONSERVATION LAW ENFORCEMENT

CRIM 1010 - Introduction to Criminology
PHIL 1103 - Introduction to Ethics
PSYC 1101 - Introduction to Psychology
SOC 1101 - Introduction to Sociology
WLF 2050 - Wildlife Law Enforcement
WLF 4400 - Conservation Biology
WLF 4480 - Fish and Wildlife Population Ecology
WLF4920 - Wildlife Management
Select one of the following:
CHEM 1101/1101L OR CHEM 1111/1111L
Select one of the following:
GEOL 1101/1101L OR PHYS 1000/1000L OR PHYS 1111/1111L OR SOIL 2050/ SOIL2050L & SOIL 2060
Select One of the following:
MATH 1143 OR MATH 1160, OR MATH 1170
Select one of the following:
FOR 2110 OR REM 3410 OR REM 2520 & REM 2530
Select one of the following:
FISH 3140 OR FISH 4300 OR WLF 3710 OR WLF 4110
Select two of the following:
COMM 2330 OR COMM 3350 OR COMM 4100 OR NRS 3870 OR NRS 3110 OR NRS 3640 OR NRS 3830 OR NRS 4620
Select one of the following:
CRIM 3010 OR CRIM 3390 OR CRIM 3340 OR CRIM 4150 OR CRIM 4390 OR PSYC 3190 OR PSYC 3200 OR SOC 2010 OR SOC 4200 OR SOC 4430

C. WILDLIFE SCIENCE & MANAGEMENT EMPHASIS

WLF 3710 - Physiological Ecology of Wildlife
WLF 4110 - Wildland Habitat Ecology & Assessment
WLF 4400 - Conservation Biology
WLF 4480 - Fish and Wildlife Population Ecology
WLF 4920 - Wildlife Management
Select one of the following:
CHEM 1101/1101L OR CHEM 1111/1111L
Select one of the following:
GEOL 1101/1101L OR PHYS 1000/1000L OR PHYS 1111/1111L OR SOIL 2050 & SOIL2060L & MATH 1160 OR MATH 1170
Select one of the following:
FOR 2110 OR REM 3410 OR REM 2520 & REM 2530
Select one of the following:
BIOL 3100 OR GENE 3140
Select one of the following:
CHEM 2750 OR CHEM 2770
Select two of the following:
COMM 4100 OR FOR 4310/NRS 4840 OR NRS 3870 OR NRS 4620 OR WLF 2050 OR NRS 3110 OR NRS 3830 OR NRS 3640 OR NRS 3860 OR NRS 4750 OR NRS 4880 OR NRS 4840

ORGANISMAL BIOLOGY - CHOOSE TWO COURSES

BIOL 4830 - Mammalogy
BIOL 4890 - Herpetology
FISH 4810 - Ichthyology
WLF 4820 - Ornithology

Ready to Get Started?
Email cnradvising@uidaho.edu

University of Idaho
Department of Fish and Wildlife Sciences

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 1140, BIOL 2130, WLF 2200 or FOR 2100, or NR 3210, and STAT 2510.

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.

- 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

2025/2026