



University of Idaho

Department of Fish and Wildlife Sciences

Wildlife Sciences

Recommended 4-Year Plan | 2022/2023

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
NR 101 - Exploring Natural Resources	2
CHEM 101/101L - Intro to Chemistry & Lab	4
ENGL 101* - Writing & Rhetoric I <small>(sufficient test score)</small>	3
MATH 143 - College Algebra	3
COMM 101 - Fundamentals of Oral Communication	2

TOTAL 14

SPRING

COURSE	CREDITS
WLF 102 - The Fish & Wildlife Professions	1
BIOL 114 - Organisms & Environments	4
ECON 202 OR ECON 272 - Principles of Micro/Macroeconomics	3
ENGL 102* - Writing & Rhetoric II <small>(ENGL 101)</small>	3
General Education Requirement	3

TOTAL 14

SOPHOMORE

FALL

COURSE	CREDITS
WLF 201 - Fish & Wildlife Applications <small>(NR 101)</small>	2
WLF 220 OR FOR 221 - Principles of Ecology <small>(BIOL 102/102L, 114, 115, or PLSC 205)</small>	3
FOR 235 - Society & Natural Resources	3
BIOL 115/115L - Cells & the Evolution of Life & Lab <small>(CHEM 101 or 114)</small>	4
STAT 251 - Statistical Methods <small>(MATH 108, 143, 160, or 170; or sufficient score)</small>	3

TOTAL 15

SPRING

COURSE	CREDITS
General Education Requirement	3
BIOL 213 - Principles of Biological Structure & Function <small>(BIOL 115)</small>	4
WLF 370 - Management & Communication of Scientific Data	3
GEOLOGY 101/101L - Physical Geology OR PHYS 100/100L - Fundamentals of Physics & Lab OR PHYS 111 - General Physics I <small>(MATH 143)</small> OR SOIL 205/206 - The Soil Ecosystem & Lab <small>(CHEM 101 or 114)</small>	4

* Not required for Human-Wildlife Interactions Emphasis

TOTAL 14

WILDLIFE SCIENCES

Recommended 4-Year Plan | 2022/2023

JUNIOR

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

TOTAL 14

FALL

SPRING

COURSE	CREDITS
WLF 448 - Fish and Wildlife Population Ecology	4
Emphasis Area Course	3
Emphasis Area Course	3
General Education Requirement	International 3
Elective	3

TOTAL 16

REQUIRED INTERNSHIP

COURSE	CREDITS
FISH/WLF 398 - Renewable Natural Resources Internship <small>(Fall, Spring, or Summer)</small>	2

SENIOR

COURSE	CREDITS
WLF 440* - Conservation Biology <small>(FOR/REM 221, WLF 220, or BIOL 314)</small>	3
FOR/NRS 375 - Intro to Spatial Analysis for NR Mgmt <small>(College algebra)</small>	3
Emphasis Area Course	2
Emphasis Area Course	3
Restrictive Elective: Organismal Biology	3-4

TOTAL 14-15

FALL

SPRING

COURSE	CREDITS
WLF 492 - Wildlife Management <small>(WLF 314, 448, & Sr Standing)</small>	4
NRS 383 - NR & Ecosystem Service Economics <small>(NRS 235, MATH 143, & ECON 202 or 272)</small>	3
Restrictive Elective: Organismal Biology	3-4
Emphasis Area Course	3
General Education Requirement	3

TOTAL 16-17

RESTRICTED ELECTIVES:

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ORGANISMAL BIOLOGY ELECTIVES - CHOOSE TWO

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

B. HUMAN-WILDLIFE INTERACTIONS

NRS 310 - Social Science Methods (4cr)
NRS 311 - Public Involvement in NR Management (3cr) NRS
386 - Managing Complex Environmental Systems (3cr) WLF
371 - Physiological Ecology of Wildlife (2cr)
WLF 411 - Wildland Habitat Ecology (2cr)
SELECT ONE OF THE FOLLOWING:
AIST 314 OR AIST 344 OR HIST 316
SELECT ONE OF THE FOLLOWING:
HIST 424 OR NRS 462 OR NRS 475 OR NRS 488
SELECT ONE OF THE FOLLOWING:
ANTH 420 OR COMM 410 OR NRS 387 OR POLS 439 OR PSYC 320 OR SOC 340

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A. CONSERVATION LAW ENFORCEMENT

CRIM 101 - Introduction to Criminology (3cr)
PHIL 103 - Introduction to Ethics (3cr)
PSYC 101 - Introduction to Psychology (3cr)
SOC 101 - Introduction to Sociology (3cr)
WLF 205 - Wildlife Law Enforcement (3cr)
SELECT ONE OF THE FOLLOWING F&W SCIENCE COURSES:
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 462
SELECT ONE OF THE FOLLOWING:
CRIM 30 OR CRIM 334 OR CRIM 339 OR CRIM 415 OR CRIM 419 OR PSYC 319 OR PSYC 320 OR SOC 201 OR SOC 230 OR SOC 343 OR SOC 420

C. WILDLIFE SCIENCE AND MANAGEMENT

BIO 310 - Genetics (3cr) **OR** GENE 314
CHEM 275 - Carbon Compounds (3cr) **OR** CHEM 277
MATH 160 - Survey of Calculus (4cr) **OR** MATH 170
WLF 371 - Physiological Ecology of Wildlife (2cr)
WLF 411 - Wildland Habitat Ecology (2cr)
SELECT TWO OF THE FOLLOWING:
COMM 410 OR FOR/NRS 484 OR NRS 250 OR NRS 311 OR NRS 364 OR NRS 386 OR NRS 387 OR NRS 462 OR NRS 475 OR NRS 487 OR NRS 488 OR SOC 465 OR WLF 205

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

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

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

