WILDLIFE SCIENCES (B.S.)

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.

Required course work includes the university requirements (see regulation J-3 (https://catalog.uidaho.edu/general-requirements-academic-procedures/j-general-requirements-baccalaureate-degrees/)) and:

Code	Title	Hours
Wildlife Sciences Core		
BIOL 114	Organisms and Environments	4
BIOL 115 & 115L	Cells and the Evolution of Life and Cells and the Evolution of Life Laboratory	4
BIOL 213	Structure and Function Across the Tree of Life	4
COMM 101	Fundamentals of Oral Communication	3
ENGL 102	Writing and Rhetoric II	3
WLF 220	Principles of Ecology	3
or FOR 221	Principles of Ecology	
FOR 235	Society and Natural Resources	3
FOR 375	Fundamentals of Geomatics	3
or GEOG 385	Foundations of GIS	
NR 101	Exploring Natural Resources	2
STAT 251	Statistical Methods	3
WLF 102	The Fish and Wildlife Professions	1
WLF 201	Fish and Wildlife Applications	2
WLF 370	Management and Communication of Scientific Data	3
WLF 314	Ecology of Terrestrial Vertebrates	3
WLF 315	Techniques Laboratory	2
WLF 398	Renewable Natural Resources Internship	2
Select two of the following:		7-8
BIOL 483	Mammalogy	
BIOL 489	Herpetology	
FISH 481	Ichthyology	
WLF 482	Ornithology	
Emphasis		
Select one of the following emphases:		44-59
Conservation Law Enforcement (p. 1)		
Human-Wildlife Interactions (p. 2)		
Wildlife Science and Management (p. 2)		
Total Hours		**96-112**

A. Conservation Law Enforcement Emphasis

Code	Title	Hours
CRIM 101	Introduction to Criminology	3
PHIL 103	Introduction to Ethics	3
PSYC 101	Introduction to Psychology	3
SOC 101	Introduction to Sociology	3
WLF 205	Wildlife Law Enforcement	2
WLF 440	Conservation Biology	3
WLF 448	Fish and Wildlife Population Ecology	4
WLF 492	Wildlife Management	4
Select one of the following:		4
CHEM 101 & 101L	Introduction to Chemistry and Introduction to Chemistry Laboratory	
CHEM 111 & 111L	General Chemistry I and General Chemistry I Laboratory	
Select one of the following Physical Sciences with lab:		4
GEOL 101 & 101L	Physical Geology and Physical Geology Lab	
PHYS 100 & 100L	Fundamentals of Physics and Fundamentals of Physics Lab	
PHYS 111 & 111L	General Physics I and General Physics I Lab	
SOIL 205 & SOIL 206	The Soil Ecosystem and The Soil Ecosystem Lab	
Select one of the following:		3-4
MATH 143	College Algebra	
MATH 160	Survey of Calculus	
MATH 170	Calculus I	
Select one of the following Plant ID courses:		3
FOR 220	Forest Biology & Dendrology	
REM 341	Systematic Botany	
REM 252 & REM 253	Wildland Plant Identification and Wildland Plant Identification Field Studies	
Select one of the following Wildlife or Fish Science courses:		2-3
FISH 314	Fish Ecology	
FISH 430	Riparian and River Ecology	
WLF 371	Physiological Ecology of Wildlife	
WLF 411	Wildland Habitat Ecology and Assessment	
Select two of the following:		6
COMM 233	Interpersonal Communication	
COMM 335	Intercultural Communication	
COMM 410	Conflict Management	
NRS 387	Environmental Communication Skills	
NRS 311	Public Involvement in Natural Resource Management	
NRS 364	Politics of the Environment	
NRS 383	Natural Resource and Ecosystem Service Economics	
NRS 462	Natural Resource Policy	
Select one of the following:		3
CRIM 301	Criminological Theory	
CRIM 339	Crime and the Media	
CRIM 334	Policing	
CRIM 415	Citizen's Police Academy	
CRIM 439	Inequalities in the Justice System	
PSYC 319	Environmental Psychology	
PSYC 320	Introduction to Social Psychology	
SOC 201	Introduction to Inequity and Justice	
SOC 230	Social Problems	
SOC 343	Power, Politics, and Society	

SOC 420	Sociology of Law	
Total Hours		**50-52**

Courses to total 120 credits for this degree

B. Human-Wildlife Interactions Emphasis

Code	Title	Hours
Wildlife Core		
WLF 371	Physiological Ecology of Wildlife	2
WLF 411	Wildland Habitat Ecology and Assessment	2
WLF 440	Conservation Biology	3
WLF 448	Fish and Wildlife Population Ecology	4
WLF 492	Wildlife Management	4
Human Core:		
ECON 202	Principles of Microeconomics	3
NRS 310	Social Science Methods	4
NRS 311	Public Involvement in Natural Resource Management	3
NRS 383	Natural Resource and Ecosystem Service Economics	3
NRS 386	Managing Complex Environmental Systems	3
Select one of the following:		3
HIST 424	American Environmental History	
NRS 462	Natural Resource Policy	
NRS 475	Local and Regional Environmental Planning	
NRS 488	NEPA in Policy and Practice	
Select one of the following Chemistry courses:		4
CHEM 101 & 101L	Introduction to Chemistry and Introduction to Chemistry Laboratory	
CHEM 111 & 111L	General Chemistry I and General Chemistry I Laboratory	
Select one of the following Math courses:		3-4
MATH 143	College Algebra	
MATH 160	Survey of Calculus	
MATH 170	Calculus I	
Select one of the following Botany courses:		3
REM 341	Systematic Botany	
REM 252 & REM 253	Wildland Plant Identification and Wildland Plant Identification Field Studies	
Select one of the following Tribal & Indigenous history and perspectives courses:		3
HIST 316	American Indian History	
AIST 445	Indigenous Ways of Knowing	
AIST 453	Tribal Sovereignty and Federal Policy	
Select one of the following Human Behavior and social process courses:		3
ANTH 420	Anthropological History and Theory	
COMM 410	Conflict Management	
NRS 387	Environmental Communication Skills	
POLS 439	Public Policy	
PSYC 320	Introduction to Social Psychology	
SOC 340	Environmental Sociology and Globalization	
Total Hours		**50-51**

Courses to total 120 credits for this degree

C. Wildlife Science and Management Emphasis

Code	Title	Hours
WLF 371	Physiological Ecology of Wildlife	2
WLF 411	Wildland Habitat Ecology and Assessment	2
WLF 440	Conservation Biology	3
WLF 448	Fish and Wildlife Population Ecology	4
WLF 492	Wildlife Management	4
Select one of the following:		4
CHEM 101 & 101L	Introduction to Chemistry and Introduction to Chemistry Laboratory	
CHEM 111 & 111L	General Chemistry I and General Chemistry I Laboratory	
Select one of the following:		4
GEOL 101 & 101L	Physical Geology and Physical Geology Lab	
PHYS 100 & 100L	Fundamentals of Physics and Fundamentals of Physics Lab	
PHYS 111 & 111L	General Physics I and General Physics I Lab	
SOIL 205 & SOIL 206	The Soil Ecosystem and The Soil Ecosystem Lab	
Select one of the following:		4
MATH 160	Survey of Calculus	
MATH 170	Calculus I	
Select one of the following:		3
FOR 220	Forest Biology & Dendrology	
REM 341	Systematic Botany	
REM 252 & REM 253	Wildland Plant Identification and Wildland Plant Identification Field Studies	
Select one of the following:		3
BIOL 310	Genetics	
GENE 314	General Genetics	
Select one of the following:		3
CHEM 275	Carbon Compounds	
CHEM 277	Organic Chemistry I	
Select two of the following:		4-6
COMM 410	Conflict Management	
FOR/NRS 484	Forest Policy and Administration	
NRS 387	Environmental Communication Skills	
NRS 462	Natural Resource Policy	
WLF 205	Wildlife Law Enforcement	
NRS 311	Public Involvement in Natural Resource Management	
NRS 383	Natural Resource and Ecosystem Service Economics	
NRS 364	Politics of the Environment	
NRS 386	Managing Complex Environmental Systems	
NRS 475	Local and Regional Environmental Planning	
NRS 484	Forest Policy and Admin	
NRS 488	NEPA in Policy and Practice	
Total Hours		**40-42**

Courses to total 120 credits for this degree

A. Conservation Law Enforcement Emphasis

Fall Term 1		Hours
CHEM 101	Introduction to Chemistry	3
CHEM 101L	Introduction to Chemistry Laboratory	1
COMM 101	Fundamentals of Oral Communication	3
ENGL 101	Writing and Rhetoric I	3
NR 101	Exploring Natural Resources	2
MATH 143 OR MATH 160 OR MATH 170		3
	Hours	**15**
Spring Term 1		
BIOL 114	Organisms and Environments	4
ENGL 102	Writing and Rhetoric II	3
WLF 102	The Fish and Wildlife Professions	1
CRIM 101	Introduction to Criminology	3
Major Course Elective		3
	Hours	**14**
Fall Term 2		
BIOL 115	Cells and the Evolution of Life	3
BIOL 115L	Cells and the Evolution of Life Laboratory	1
FOR 235	Society and Natural Resources	3
STAT 251	Statistical Methods	3
WLF 201	Fish and Wildlife Applications	2
WLF 220 or FOR 221	Principles of Ecology or Principles of Ecology	3
	Hours	**15**
Spring Term 2		
BIOL 213	Structure and Function Across the Tree of Life	4
WLF 370	Management and Communication of Scientific Data	3
PSYC 101	Introduction to Psychology	3
Physical Science, Major Elective Course		4
American Diversity Course		3
	Hours	**17**
Fall Term 3		
WLF 314	Ecology of Terrestrial Vertebrates	3
WLF 315	Techniques Laboratory	2
SOC 101	Introduction to Sociology	3
(REM 252 AND REM 253) OR FOR 220 OR REM 341		3
FISH 314 OR FISH 430 OR WLF 371 OR WLF 411		2
WLF 398	Renewable Natural Resources Internship	2
	Hours	**15**
Spring Term 3		
WLF 205	Wildlife Law Enforcement	2
WLF 448	Fish and Wildlife Population Ecology	4
PHIL 103	Introduction to Ethics	3
COMM 233 OR COMM 335 OR COMM 410 OR NRS 311 OR NRS 364 OR NRS 387 OR NRS 462		3
International		3
	Hours	**15**
Fall Term 4		
FOR 375 or GEOG 385	Fundamentals of Geomatics or Foundations of GIS	3
WLF 440	Conservation Biology	3
COMM 233 OR COMM 335 OR COMM 410 OR NRS 311 OR NRS 364 OR NRS 387 OR NRS 462		3
BIOL 483 OR BIOL 489 OR FISH 481 OR WLF 482		3
Humanistic and Artistic Ways of Knowing Course		3
	Hours	**15**
Spring Term 4		
WLF 492	Wildlife Management	4
CRIM 301 OR CRIM 334 OR CRIM 339 OR CRIM 415 OR PSYC 319 OR PSYC 320 OR SOC 201 OR SOC 230 OR SOC 343 OR SOC 420		3
BIOL 483 OR BIOL 489 OR FISH 481 OR WLF 482		3
Elective Course		3
Elective Course		1
	Hours	**14**
	Total Hours	**120**

The degree map is a guide for the timely completion of your curricular requirements. Your academic advisor or department may be contacted for assistance in interpreting this map. This map is not reflective of your academic history or transcript and it is not official notification of completion of degree or certificate requirements. Please contact the Registrar's Office regarding your official degree/certificate completion status.

B. Human-Wildlife Interactions Emphasis

Fall Term 1		Hours
CHEM 101	Introduction to Chemistry	3
CHEM 101L	Introduction to Chemistry Laboratory	1
COMM 101	Fundamentals of Oral Communication	3
ENGL 101	Writing and Rhetoric I	3
NR 101	Exploring Natural Resources	2
MATH 143 OR MATH 160 OR MATH 170		3
	Hours	**15**
Spring Term 1		
BIOL 114	Organisms and Environments	4
ECON 202	Principles of Microeconomics	3
ENGL 102	Writing and Rhetoric II	3
WLF 102	The Fish and Wildlife Professions	1
Humanistic or Artistic Ways of Knowing Course		3
	Hours	**14**
Fall Term 2		
BIOL 115	Cells and the Evolution of Life	3
BIOL 115L	Cells and the Evolution of Life Laboratory	1
FOR 235	Society and Natural Resources	3
STAT 251	Statistical Methods	3
WLF 201	Fish and Wildlife Applications	2
WLF 220 or FOR 221	Principles of Ecology or Principles of Ecology	3
	Hours	**15**
Spring Term 2		
BIOL 213	Structure and Function Across the Tree of Life	4
WLF 370	Management and Communication of Scientific Data	3
Humanistic and Artistic Ways of Knowing Course		3
American Diversity Course		3
WLF 398 or FISH 398	Renewable Natural Resources Internship or Renewable Natural Resources Internship	1
	Hours	**14**
Fall Term 3		
WLF 314	Ecology of Terrestrial Vertebrates	3
WLF 315	Techniques Laboratory	2
NRS 310	Social Science Methods	4
(REM 252 AND REM 253) OR REM 341		3
HIST 424 OR NRS 462 OR NRS 475 OR NRS 488		3
WLF 398 or FISH 398	Renewable Natural Resources Internship or Renewable Natural Resources Internship	1
	Hours	**16**
Spring Term 3		
NRS 311	Public Involvement in Natural Resource Management	3
WLF 448	Fish and Wildlife Population Ecology	4
WLF 371	Physiological Ecology of Wildlife	2

AIST 453 OR AIST 445 OR HIST 316		3
International Course		3
	Hours	**15**
Fall Term 4		
FOR 375 or GEOG 385	Fundamentals of Geomatics or Foundations of GIS	3
NRS 386	Managing Complex Environmental Systems	3
WLF 440	Conservation Biology	3
WLF 411	Wildland Habitat Ecology and Assessment	2
BIOL 483 OR BIOL 489 OR FISH 481 OR WLF 482		3
Elective Course		1
	Hours	**15**
Spring Term 4		
NRS 383	Natural Resource and Ecosystem Service Economics	3
WLF 492	Wildlife Management	4
ANTH 420 OR COMM 410 OR NRS 387 OR POLS 439 OR PSYC 320 OR SOC 340		3
BIOL 483 OR BIOL 489 OR FISH 481 OR WLF 482		3
Elective		3
	Hours	**16**
	Total Hours	**120**

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C. Wildlife Science and Management Emphasis

Fall Term 1		**Hours**
CHEM 101	Introduction to Chemistry	3
CHEM 101L	Introduction to Chemistry Laboratory	1
COMM 101	Fundamentals of Oral Communication	3
ENGL 101	Writing and Rhetoric I	3
MATH 143	College Algebra	3
NR 101	Exploring Natural Resources	2
	Hours	**15**
Spring Term 1		
BIOL 114	Organisms and Environments	4
ENGL 102	Writing and Rhetoric II	3
WLF 102	The Fish and Wildlife Professions	1
MATH 160 or MATH 170	Survey of Calculus or Calculus I	4
Social and Behavioral Ways of Knowing Course		3
	Hours	**15**
Fall Term 2		
BIOL 115	Cells and the Evolution of Life	3
BIOL 115L	Cells and the Evolution of Life Laboratory	1
FOR 235	Society and Natural Resources	3
STAT 251	Statistical Methods	3
WLF 201	Fish and Wildlife Applications	2
WLF 220 or FOR 221	Principles of Ecology or Principles of Ecology	3
	Hours	**15**
Spring Term 2		
BIOL 213	Structure and Function Across the Tree of Life	4
WLF 370	Management and Communication of Scientific Data	3
CHEM 275 or CHEM 277	Carbon Compounds or Organic Chemistry I	3
(GEOL 101 AND GEOL 101L) OR (PHYS 100 AND PHYS 100L) OR (PHYS 111 AND PHYS 111L) OR (SOIL 205 AND SOIL 206)		4
	Hours	**14**
Fall Term 3		
WLF 314	Ecology of Terrestrial Vertebrates	3
WLF 315	Techniques Laboratory	2
(REM 252 AND REM 253) OR REM 341 OR FOR 220		3
BIOL 310 OR GENE 314		3
WLF 398	Renewable Natural Resources Internship	2
American Diversity Course		3
	Hours	**16**
Spring Term 3		
WLF 371	Physiological Ecology of Wildlife	2
WLF 448	Fish and Wildlife Population Ecology	4
COMM 410 OR FOR 484 OR NRS 311 OR NRS 386 OR NRS 387 OR NRS 462 OR NRS 364 OR NRS 475 OR NRS 488 OR WLF 205		3
Humanistic and Artistic Ways of Knowing Course		3
International Course		3
	Hours	**15**
Fall Term 4		
FOR 375 or GEOG 385	Fundamentals of Geomatics or Foundations of GIS	3
WLF 411	Wildland Habitat Ecology and Assessment	2
WLF 440	Conservation Biology	3
BIOL 483 OR BIOL 489 OR FISH 481 OR WLF 482		3
Humanistic and Artistic Ways of Knowing Course		3
Elective Course		1
	Hours	**15**
Spring Term 4		
WLF 492	Wildlife Management	4
BIOL 483 OR BIOL 489 OR FISH 481 OR WLF 482		4
Major Elective Course		3
Elective Course		3
Elective Course		1
	Hours	**15**
	Total Hours	**120**

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Shared Outcomes

1. The student will be able to: identify regional wildlife species and describe their biological characteristics and ecological requirements,
2. The student will be able to: develop and test hypotheses and produce tabular and graphic summaries of quantitative data.
3. The student will be able to: effectively use diverse forms of communication (written, oral) to convey information to scientific audiences.
4. The student will be able to explain and discuss diverse points of view about natural resource issues.
5. The student demonstrates an understanding of ethical professional behavior.

Science and Management Emphasis area

6. Student will be able to: integrate biological, ecological, and social information to make science-based recommendations for management.

7. The student: will be able to work effectively in team settings.

Conservation Law Enforcement Emphasis area

6. Student can define basic legal terms and principles that apply to conservation law enforcement

7. The student demonstrates an understanding of the impact wildlife crime has on the resource

Human Wildlife Emphasis area

6. The student: will be able to work effectively in team settings.

7. The student will be able to Integrate biological, ecological and social information to make science-based recommendations for management.

8. The student will be able to: describe and evaluate social science research principles and methods used in human dimensions of wildlife management.