MAJOR IN FISH, WILDLIFE, AND CONSERVATION BIOLOGY, WILDLIFE BIOLOGY CONCENTRATION

Major Completion Map

Distinctive Requirements for Degree Program: The curriculum for the Fish, Wildlife and Conservation Biology major – Wildlife Biology concentration assumes students enter college prepared to take calculus. Students who have not met the prerequisites for calculus, will be required to successfully complete the prerequisites in their first year. A minimum grade of C (2.000) is required in all biological, mathematical/ statistical, physical science, fish, wildlife, and conservation biology, and natural resource courses used to meet graduation requirements for the fish, wildlife, and conservation biology major. The minimum applies to courses taken as substitutions for meeting degree requirements. NR 220 is a summer course in which students reside at CSU's Mountain Campus. Students must choose ONE of two CHEM + PH paths: (Path A) CHEM 107/CHEM 108 and PH 121/PH 122 or (Path B) CHEM 111, CHEM 112, CHEM 113, CHEM 114 and PH 110/PH 111. Students must also choose ONE biology group A) BZ 110/BZ 111/BZ 120 or B) LIFE 102/LIFE 103.

Freshman

Semester 1		**Critical**	**Recommended**	**AUCC**	**Credits**
CO 150	College Composition (GT-CO2)	X		1A	3
Select one group from the following:		X			4
Group A:					
BZ 110	Principles of Animal Biology (GT-SC2)			3A	
BZ 111	Animal Biology Laboratory (GT-SC1)			3A	
Group B:					
LIFE 102	Attributes of Living Systems (GT-SC1)			3A	
Select one path from the following:		X			5
Path A:					
PH 121	General Physics I (GT-SC1)			3A	
Path B:					
CHEM 111	General Chemistry I (GT-SC2)			3A	
CHEM 112	General Chemistry Lab I (GT-SC1)			3A	
FW 104	Wildlife Ecology and Conservation (GT-SC2)	X		3A	3
FW 179	New-to-the-Major Seminar	X			1
	Total Credits				**16**

Semester 2		**Critical**	**Recommended**	**AUCC**	**Credits**
Select one course from the following:		X			4
BZ 120	Principles of Plant Biology (GT-SC1)			3A	
LIFE 103	Biology of Organisms-Animals and Plants (GT-SC1)			3A	
Select one path from the following:		X			8-10
Path A:					
CHEM 107	Fundamentals of Chemistry (GT-SC2)			3A	
CHEM 108	Fundamentals of Chemistry Laboratory (GT-SC1)			3A	
PH 122	General Physics II (GT-SC1)			3A	
Path B:					
CHEM 113	General Chemistry II				
CHEM 114	General Chemistry Lab II				
PH 110	Physics of Everyday Phenomena (GT-SC2)			3A	
PH 111	Physics of Everyday Phenomena Laboratory (GT-SC1)			3A	
Diversity, Equity, and Inclusion (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion)			X	1C	3
	Total Credits				**15-17**

Sophomore

Semester 3		**Critical**	**Recommended**	**AUCC**	**Credits**
FW 260	Principles of Wildlife Management	X			3
Select one Plant Biology course from the following:		X			3-4

BZ 223	Plant Identification				
BZ 325	Plant Systematics				
BZ 331	Developmental Plant Anatomy				
BZ 333	Introductory Mycology				
BZ 440	Plant Physiology				
F 311	Forest Ecology				
RS 300	Rangeland Conservation and Stewardship				
RS 313/F 313	Dendrology and Herbaceous Plant ID				
Select one course from the following:		X			4
MATH 155	Calculus for Biological Scientists I (GT-MA1)			1B	
MATH 160	Calculus for Physical Scientists I (GT-MA1)			1B	
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			X	3B	3
	Total Credits				**13-14**
Semester 4		**Critical**	**Recommended**	**AUCC**	**Credits**
LIFE 320	Ecology	X			3
Select one course from the following:		X			3
HONR 499	Senior Honors Thesis				
SPCM 200	Public Speaking				
Select one course from the following:		X			3
STAT 301	Introduction to Applied Statistical Methods				
STAT 307	Introduction to Biostatistics				
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			X	3B	3
Social and Behavioral Sciences (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#social-behavioral-sciences)			X	3C	3
FW 260 must be completed by the end of Semester 4.		X			
	Total Credits				**15**
Semester 5		**Critical**	**Recommended**	**AUCC**	**Credits**
NR 220	Natural Resource Ecology and Measurements	X			5
	Total Credits				**5**
Junior					
Semester 6		**Critical**	**Recommended**	**AUCC**	**Credits**
Select one course from the following:		X			3-4
FW 310	Mapping Diverse Perspectives in Conservation				
NR 319	Introduction to Geospatial Science				
Select one course from the following:		X			3
CO 300	Writing Arguments (GT-CO3)			2	
CO 301A	Writing in the Disciplines: Arts and Humanities (GT-CO3)			2	
CO 301B	Writing in the Disciplines: Sciences (GT-CO3)			2	
CO 301C	Writing in the Disciplines: Social Sciences (GT-CO3)			2	
CO 301D	Writing in the Disciplines: Education (GT-CO3)			2	
JTC 300	Strategic Writing and Communication (GT-CO3)			2	
Select one group from the following:		X			4-7
Group A:					
BSPM 302	Applied and General Entomology				
BSPM 303A	Entomology Laboratory: General				
Group B:					
BZ 212	Animal Biology-Invertebrates				
NR 312	Applied Insect Ecology				
Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)			X	3D	3

STAT 301 or STAT 307 and LIFE 320 must be completed by the end of Semester 6.		X			
	Total Credits				**13-17**
Semester 7		**Critical**	**Recommended**	**AUCC**	**Credits**
FW 370	Design of Fish and Wildlife Projects	X		4A,4B	3
Select one course from the following:					3-4
BZ 330	Mammalogy				
BZ 335	Ornithology				
Select one course or course pair not taken elsewhere from the following:		X			3-4
BZ 214	Animal Biology-Vertebrates				
BZ 329	Herpetology				
BZ 330	Mammalogy				
BZ 335	Ornithology				
FW 300 & FW 301	Biology and Diversity of Fishes				
Select one course from the following:		X			3-4
BZ 220	Introduction to Evolution				
BZ 350	Molecular and General Genetics				
SOCR 330	Principles of Genetics				
	Total Credits				**12-15**
Senior					
Semester 8		**Critical**	**Recommended**	**AUCC**	**Credits**
FW 471	Wildlife Data Collection and Analysis	X		4C	4
Wildlife Elective (See Department List on Concentration Requirements tab)		X			3-4
Upper Division Guided Elective (See Department List on Concentration Requirements tab)		X			5
Elective					0-1
BSPM 302 / BSPM 303A, or BZ 212 / NR 312, and FW 370 must be completed by the end of Semester 8.		X			
	Total Credits				**13-14**
Semester 9		**Critical**	**Recommended**	**AUCC**	**Credits**
Human Dimensions Elective (See Department List on Concentration Requirements tab)		X			3
Upper Division Guided Elective (See Department List on Concentration Requirements tab)		X			4
Biology or Botany Elective (See Department List on Concentration Requirements tab)		X			3-4
Elective			X		0-2
The benchmark courses for the 9th semester are the remaining courses in the entire program of study.		X			
	Total Credits				**12**
	Program Total Credits:				**120**