FISHERIES AND WILDLIFE SCIENCE (WILDLIFE ECOLOGY AND MANAGEMENT) - BACHELOR OF SCIENCE IN FISH, WILDLIFE AND CONSERVATION ECOLOGY

A Suggested Plan of Study for Students

This roadmap assumes student placement in MATH 1430G Applications of Calculus I and ENGL 1110G Composition I. The contents and order of this roadmap may vary depending on initial student placement in mathematics and English. It is only a suggested plan of study for students and is not intended as a contract. Course availability may vary from fall to spring semester and may be subject to modification or change.

First Year		
Semester 1		**Credits**
MATH 1430G	Applications of Calculus I [1]	3
ENGL 1110G or ENGL 1110H	Composition I [1] or Composition I Honors	4
FWCE 1110G	Introduction to Natural Resources Management	4
Area V: Humanities Course [2]		3
ACES 1120	Freshman Orientation	1
	Credits	**15**
Semester 2		
BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory [1]	4
FWCE 2110	Principles of Fish and Wildlife Management	3
ACOM 1130G	Effective Leadership and Communication in Agriculture	3
Area VI: Creative and Fine Arts Course [2]		3
Elective Course		3
	Credits	**16**
Second Year		
Semester 1		
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors [1]	4
Choose from one of the following:		3
ECON 2110G	Macroeconomic Principles	
ECON 2120G	Principles of Microeconomics Honors	
PHYS 1115G	Survey of Physics with Lab	4
FWCE 301	Wildlife Ecology [1]	3
	Credits	**14**
Semester 2		
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors [1]	4
BIOL 2110G & BIOL 2110L	Principles of Biology: Cellular and Molecular Biology and Principles of Biology: Cellular and Molecular Biology Laboratory	4
BIOL 313	Structure and Function of Plants (Spring Only)	3
Choose from one of the following:		3
FWCE 437	Wildlife Damage Management	
FWCE 447	Wildlife Law and Policy	
RGSC 325	Rangeland Restoration Ecology	
	Credits	**14**
Third Year		
Semester 1		
ENGL 2210G or ENGL 2210H	Professional and Technical Communication or Professional and Technical Communication	3
BIOL 322	Zoology (Fall Only) [1]	3
A ST 311	Statistical Applications [1]	3
VWW: Viewing a Wider World Course [3]		3
Choose from one of the following:		4
SOIL 2110 & 2110L	Introduction to Soil Science and Introduction to Soil Science Laboratory [1]	
GEOL 1110G	Physical Geology [1]	
	Credits	**16**
Semester 2		
FWCE 330	Natural History of the Vertebrates (Spring Only) [1]	4
FWCE 355	Wildlife Management and Analysis (Spring Only in Odd Years) [1]	4
Choose from one of the following:		3-4
BIOL 484	Animal Communication	
EPWS 303	Economic Entomology	
EPWS 462	Parasitology	
FWCE 430	Avian Field Ecology [1]	
FWCE 431	Mammalogy [1]	
FWCE 467	Herpetology [1]	
Elective Course [3]		4
	Credits	**15-16**
Fourth Year		
Semester 1		
FWCE 391	Internship (Fall Only Must be taken with FWCE 393) [1]	1
FWCE 393	Professional Experience and Communication (Fall Only Must be taken with FWCE 391) [1]	3
BIOL 312	Plant Taxonomy (Fall Only) [1]	3
FWCE 402	Seminar in Natural Resource Management	1
FWCE 457	Ecological Biometry (Fall Only) [1]	3
Choose from one of the following:		3
AGRO 305	Principles of Genetics [1]	
BIOL 305	Principles of Genetics [1]	
Elective Course		3
	Credits	**17**
Semester 2		
FWCE 409	Introduction to Population Ecology (Spring Only) [1]	3
FWCE 464 or FWCE 325	Fish and Wildlife Management, Law, and Policy [1] or Human Dimensions of Fish and Wildlife	3
Elective Course		1
Choose from one of the following:		3

BIOL 314	Plant Physiology [1]	
RGSC 357	Grass Taxonomy and Identification [1]	
RGSC 440	Rangeland Resource Ecology [1]	
Choose one from the following:		3
BIOL 314	Plant Physiology	
RGSC 325	Rangeland Restoration Ecology	
RGSC 357	Grass Taxonomy and Identification	
RGSC 440	Rangeland Resource Ecology	
	Credits	**13**
	Total Credits	**120-121**

1 These courses have prerequisites or co-requisites, and it is the students responsibility for checking and fulfilling all course prerequisites listed for these courses.

2 See the General Education (https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/) section of the catalog for a full list of courses.

3 See the Viewing a Wider World (https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext) section of the catalog for a full list of courses.