

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		Credits
Semester 1		
MATH 1430G	Applications of Calculus I ¹	3
ENGL 1110G	Composition I ¹	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
CHEM 1121	General Supplemental Instruction I	1
Choose from one of the following:		3
ECON 2110G	Macroeconomic Principles	
ECON 2120G	Principles of Microeconomics	
PHYS 1115G	Survey of Physics with Lab	4
FWCE 301	Wildlife Ecology ¹	3
Credits		15
Semester 2		
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors ¹	4
CHEM 1122	General Supplemental Instruction II	1

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		15

Third Year		Credits
Semester 1		
ENGL 2210G	Professional and Technical Communication Honors	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		Credits
FWCE 330	Natural History of the Vertebrates (Spring Only) ¹	4
FWCE 355	Wildlife Techniques 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		Credits
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 in Odd Years) ¹	3
Choose from one of the following:		3
AGRO 305	Principles of Genetics ¹	
BIOL 305	Principles of Genetics ¹	
Elective Course		1
Credits		15

Semester 2		Credits
FWCE 409	Introduction to Population Ecology (Spring Only)	3
FWCE 464	Management of Aquatic and Terrestrial Ecosystems (Spring Only) ¹	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.