

# RANGELAND, WILDLIFE AND FISHERIES MANAGEMENT - BS, WILDLIFE MANAGEMENT TRACK

## Program Requirements

### First Year

		Semester Credit Hours
<b>Fall</b>		
BIOL 111	Introductory Biology I	4
ENGL 104	Composition and Rhetoric	3
ESSM 201	Exploring Ecosystem Science and Management	1
MATH 150	Functions, Trigonometry and Linear Systems	4
RWFM 202	Concepts in Applied Plant Biology	3
Semester Credit Hours		15

### Spring

BIOL 112	Introductory Biology II	4
ENGL 210 or COMM 203	Technical and Professional Writing or Public Speaking	3
MATH 147	Calculus I for Biological Sciences	4
RENK 205	Fundamentals of Ecology	3
RENK 215	Fundamentals of Ecology--Laboratory	1
Semester Credit Hours		15

### Second Year

		Semester Credit Hours
<b>Fall</b>		
POLS 206	American National Government <sup>1</sup>	3
STAT 302	Statistical Methods	3
Select one of the following:		3
ESSM 203	Forest Trees of North America	
ESSM 302	Wildland Plants of North America	
ESSM 303	Agrostology	
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> ) <sup>1</sup>		3
Creative arts ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts</a> ) <sup>1</sup>		3
Semester Credit Hours		15

### Spring

AGEC 105	Introduction to Agricultural Economics	3
CHEM 119	Fundamentals of Chemistry I	4
POLS 207	State and Local Government	3
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> ) <sup>1</sup>		3

Language, philosophy and culture ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture</a> ) <sup>1</sup>		3
---	--	---

Semester Credit Hours 16

### Third Year

		Semester Credit Hours
<b>Fall</b>		
CHEM 222	Elements of Organic and Biological Chemistry	3
RWFM 321	Communicating Natural Resources	3
RWFM 350	Wildlife Population Dynamics	3
WFSC 302	Natural History of the Vertebrates	3
Select one of the following:		3
WFSC 315	Herpetology	
WFSC 401	General Mammalogy	
WFSC 402	General Ornithology	

Semester Credit Hours 15

### Spring

ESSM 351/ RENK 405	Geographic Information Systems for Resource Management	3
RWFM 305	Principles and Practices of Wildlife and Fisheries Management	3
WFSC 303	Fish and Wildlife Laws and Administration	3
Select one of the following:		3
WFSC 315	Herpetology	
WFSC 401	General Mammalogy	
WFSC 402	General Ornithology	

Semester Credit Hours 15

Select one of the following:		3
RWFM 421	Upland Bird Management	
RWFM 422	Large Mammal Management	
RWFM 423	Waterfowl and Wetland Management	
RWFM 424	Wildlife Damage Management	
RWFM 425	Carnivore Management	
WFSC 327/ VTPB 301	Wildlife Diseases	
WFSC 405	Urban Wildlife and Fisheries	
WFSC 419	Wildlife Restoration	

Semester Credit Hours 15

### Summer

RENK 345	Park Ecology and Management	3
----------	-----------------------------	---

Semester Credit Hours 3

### Fourth Year

		Semester Credit Hours
<b>Fall</b>		
RENK 375	Conservation of Natural Resources	3
SCSC 301	Soil Science	4
WFSC 406	Wildlife Habitat Management	3
Select one of the following:		3
RWFM 421	Upland Bird Management	
RWFM 422	Large Mammal Management	
RWFM 423	Waterfowl and Wetland Management	
RWFM 424	Wildlife Damage Management	
RWFM 425	Carnivore Management	
WFSC 327/ VTPB 301	Wildlife Diseases	

WFSC 405	Urban Wildlife and Fisheries	
WFSC 419	Wildlife Restoration	
Semester Credit Hours		13
<b>Spring</b>		
AGEC 325	Principles of Farm and Ranch Management	3
ESSM 314	Principles of Rangeland Management Around the World	3
ESSM 481	Senior Seminar	1
WFSC 408	Techniques of Wildlife Management	3
Select one of the following:		3
RWFM 349	Rangeland and Wildlife Animal Nutrition	
RWFM 354	Wildlife Anatomy and Physiology	
WFSC 335	Natural History of the Invertebrates	
Semester Credit Hours		13
Total Semester Credit Hours		120

<sup>1</sup> Graduation requirements include a requirement for 3 hours of International and Cultural Diversity (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements/>) courses and 3 hours of Cultural Discourse (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/>) courses. A course satisfying a Core category, a college/department requirement, or a free elective can be used to satisfy this requirement. Select in consultation with an academic advisor.