

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

The Wildlife Management track builds a strong foundation in managing wildlife populations and their habitats, with courses targeting key topics such as wildlife population dynamics, anatomy and physiology, habitat management principles and wildlife techniques. Included in this track are summer field practicum and internship requirements providing intense field experience opportunities to solidify principles students will need to understand to pursue advanced coursework in focal management areas.

Upon graduation, students will meet the basic qualifications to apply for The Wildlife Society's Associate Wildlife Biologist certification, and later the Certified Wildlife Biologist certification following professional experience, providing competitive credentials in today's job market. This program is designed to teach the necessary background and experience to seek careers in the growing wildlife management field and to prepare students to lead in the wildlife profession through advanced technical skills, professional communication, and scientific expertise. Students will be prepared to seek employment with government agencies, such as Texas Parks and Wildlife and the U.S. Fish and Wildlife Service, or venture into biological consulting, environmental non-profit agencies, or research-oriented professions.

## Program Requirements

### First Year

Fall		Semester Credit Hours
AGEC 105	Introduction to Agricultural Economics	3
BIOL 111	Introductory Biology I	4
ENGL 104	Composition and Rhetoric	3
MATH 140	Mathematics for Business and Social Sciences	3
RWFM 101	Exploring Rangeland, Wildlife and Fisheries Management	1
<b>Semester Credit Hours</b>		<b>14</b>
Spring		
BIOL 112	Introductory Biology II	4
ECCB 205	Fundamentals of Ecology	3
ECCB 215	Fundamentals of Ecology-Laboratory	1
ENGL 210 or COMM 203	Technical and Professional Writing or Public Speaking	3
MATH 142	Business Calculus	3
<b>Semester Credit Hours</b>		<b>14</b>

### Second Year

Fall		
CHEM 119	Fundamentals of Chemistry I	4
POLS 206	American National Government	3
RWFM 202	Concepts in Applied Plant Biology	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> )	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> )	3

### Semester Credit Hours 16

#### Spring

CHEM 222	Elements of Organic and Biological Chemistry	3
POLS 207	State and Local Government	3
RWFM 305	Principles and Practices of Wildlife and Fisheries Management	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> )	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> )	3

### Semester Credit Hours 15

#### Summer

RWFM 333	Rangeland, Wildlife & Fisheries Field Techniques	3
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### Semester Credit Hours 3

#### Third Year

##### Fall

ECCB 302	Diversity and Evolution of Vertebrates	3
ECCB 351	Geographic Information Systems for Resource Management	3
RWFM 321	Communicating Natural Resources	3
STAT 302	Statistical Methods	3
Botany		3

Select one of the following:	
ECCB 203	Forest Trees of North America
ECCB 312	Agrostology
RWFM 302	Wildland Plants of North America

### Semester Credit Hours 15

#### Spring

RWFM 308	Fish and Wildlife Laws and Administration	3
RWFM 314	Principles of Rangeland Management Around the World	3
RWFM 350	Wildlife Population Dynamics	3
SCSC 301	Soil Science	4
Biodiversity		3

Select one of the following:	
ECCB 315	Herpetology
ECCB 401	General Mammalogy
ECCB 402	General Ornithology

### Semester Credit Hours 16

#### Fourth Year

##### Fall

RWFM 375	Conservation of Natural Resources	3
RWFM 406	Wildlife Habitat Management	3
RWFM 484	Internship	1

Biodiversity	3
Select one of the following:	
ECCB 315	Herpetology
ECCB 401	General Mammalogy
ECCB 402	General Ornithology
Wildlife management	3
Select one of the following:	
RWFM 309/ VTPB 301	Wildlife Diseases
RWFM 405	Urban Wildlife and Fisheries
RWFM 419	Wildlife Restoration
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
General elective <sup>1</sup>	1
<b>Semester Credit Hours</b>	<b>14</b>
<b>Spring</b>	
AGEC 325	Principles of Farm and Ranch Management
RWFM 408	Techniques of Wildlife Management
RWFM 481	Senior Seminar
Advanced wildlife biology	3
Select one of the following:	
ECCB 313	Diversity and Evolution of Invertebrates
RWFM 349	Rangeland and Wildlife Animal Nutrition
RWFM 354	Wildlife Anatomy and Physiology
Wildlife management	3
Select one of the following:	
RWFM 309/ VTPB 301	Wildlife Diseases
RWFM 405	Urban Wildlife and Fisheries
RWFM 419	Wildlife Restoration
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
<b>Semester Credit Hours</b>	<b>13</b>
<b>Total Semester Credit Hours</b>	<b>120</b>

<sup>1</sup> Select from any 100-499 course not used elsewhere.

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.