

# 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 <sup>1</sup>	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
MATH 142	Business Calculus	3
RWFM 202	Concepts in Applied Plant Biology	3
<b>Semester Credit Hours</b>		<b>14</b>
Second Year		
Fall		
CHEM 119	Fundamentals of Chemistry I	4
ENGL 210 or COMM 203	Technical and Professional Writing or Public Speaking	3
POLS 206	American National Government	3
RWFM 375	Conservation of Natural Resources	3

Creative arts (<http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts>) 3

**Semester Credit Hours** 16

### Spring

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
Physical science elective <sup>2</sup>		4

**Semester Credit Hours** 16

### Summer

RWFM 333	Rangeland, Wildlife & Fisheries Field Techniques	3
----------	--------------------------------------------------	---

**Semester Credit Hours** 3

### Third Year

#### Fall

ECCB 302	Diversity and Evolution of Vertebrates	3
RWFM 302	Wildland Plants of North America	3
RWFM 314	Principles of Rangeland Management Around the World	3
RWFM 351	Geographic Information Systems for Resource Management	3
STAT 302	Statistical Methods	3

**Semester Credit Hours** 15

#### Spring

RWFM 308	Fish and Wildlife Laws and Administration	3
RWFM 321	Communicating Natural Resources	3
RWFM 350	Wildlife and Fisheries Population Dynamics	3
Select one of the following:		3
ECCB 315	Herpetology	
ECCB 401	General Mammalogy	
ECCB 402	General Ornithology	
Directed elective <sup>3</sup>		3

**Semester Credit Hours** 15

### Summer

RWFM 484	Internship	1
----------	------------	---

**Semester Credit Hours** 1

### Fourth Year

#### Fall

RWFM 370	Aquatic Vegetation Identification and Management	3
RWFM 406	Wildlife Habitat Management	3
Physical science elective <sup>2</sup>		4
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

**Semester Credit Hours** 13

**Spring**

AGEC 325	Principles of Farm and Ranch Management	3
RWFM 408	Techniques of Wildlife Management	3
RWFM 481	Senior Seminar	1
RWFM 345 or RWFM 436	Human Dimensions of Natural Resource Management and Policy or Natural Resources Policy	3
Directed elective <sup>3</sup>		3
<b>Semester Credit Hours</b>		<b>13</b>
<b>Total Semester Credit Hours</b>		<b>120</b>

<sup>1</sup> Must make a grade of C or better.

<sup>2</sup> Select from CHEM 120, CHEM 222, CHEM 242, GEOG 203, GEOG 213, GEOL 101, GEOL 102, MARS 102, OCNG 251, OCNG 252, PHYS 201, SCSC 301.

<sup>3</sup> Select from ECCB 311 or any RWFM 300-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/rwfm/>) 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.