

RANGELAND, WILDLIFE AND FISHERIES MANAGEMENT - BS, NATURAL RESOURCES MANAGEMENT AND POLICY TRACK

The Natural Resources Management and Policy track prepares students to examine environmental and conservation issues through a multi-disciplinary framework that includes political, cultural, social, economic, regulatory and ecological dimensions. Courses emphasize development of skill sets that promote strong interpersonal skills, leadership and collaboration with varied stakeholder groups. These critical skills are taught in the classroom and through field experiences, working in tandem to enhance students' abilities to assess complex environmental issues, envision a desired conservation outcome, and design and implement a plan needed to bring visions to fruition.

The diverse coursework of this track prepares students for a variety of careers in industries such as public service, outdoor education, park and protected area management, environmental planning and consultation, and non-profit organizations.

Program Requirements

First Year

		Semester Credit Hours
Fall		
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 ¹	3
RWFM 101	Exploring Rangeland, Wildlife and Fisheries Management	1
Semester Credit Hours		14

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
Semester Credit Hours		14

Second Year

		Semester Credit Hours
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 305	Principles and Practices of Wildlife and Fisheries Management	3

Creative arts (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts)	3
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		Semester Credit Hours
Spring		
POLS 207	State and Local Government	3
RWFM 321	Communicating Natural Resources	3
RWFM 375	Conservation of Natural Resources	3
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history)	3	
Language, philosophy and culture (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture)	3	

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

		Semester Credit Hours
Third Year		
Fall		
RWFM 308	Fish and Wildlife Laws and Administration	3
RWFM 314	Principles of Rangeland Management Around the World	3
RWFM 322	Community Development and Sustainability	3
RWFM 323	Parks and Protected Area Management	3
RWFM 405	Urban Wildlife and Fisheries	3

		Semester Credit Hours
Spring		
AGEC 325	Principles of Farm and Ranch Management	3
RWFM 336	Research Methods in the Human Dimensions of Natural Resources	3
RWFM 345	Human Dimensions of Natural Resource Management and Policy	3
RWFM 440	Wetland Delineation	3
STAT 302	Statistical Methods	3
Semester Credit Hours		15

Summer		
RWFM 484	Internship	1
Semester Credit Hours		1

		Semester Credit Hours
Fourth Year		
Fall		
RPTS 460/ ECCB 460	Nature, Values, and Protected Areas	3
RWFM 325	Watershed Analysis and Planning	3
RWFM 351	Geographic Information Systems for Resource Management	3
BESC 367 or RWFM 406	U.S. Environmental Regulations or Wildlife Habitat Management	3
General elective ²		2
Semester Credit Hours		14

Spring		
RWFM 346	Park Ecology and Management	3

RWFM 436	Natural Resources Policy	3
RWFM 470	Environmental Impact Assessment	3
RWFM 481	Senior Seminar	1
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history)		3
Semester Credit Hours		13
Total Semester Credit Hours		120

¹ Must make a grade of C or better.

² Select 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.