

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
ENGL 104	Composition and Rhetoric	3
HORT 201 & HORT 202	Horticultural Science and Practices and Horticultural Science and Practices Laboratory	4
MATH 140	Mathematics for Business and Social Sciences	3
RWFM 101	Exploring Rangeland, Wildlife and Fisheries Management	1
Semester Credit Hours		14
Spring		
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
Select one of the following:		4
BIOL 107	Zoology	
BIOL 111	Introductory Biology I	
BIOL 112	Introductory Biology II	
Semester Credit Hours		14

Second Year

Fall		
CHEM 119	Fundamentals of Chemistry I	4
POLS 206	American National Government	3

RWFM 305	Principles and Practices of Wildlife and Fisheries Management	3
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history)		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 202	Concepts in Applied Plant Biology	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
Directed elective ¹		3
Semester Credit Hours		15

Summer

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

Third Year

Fall

ECCB 318/ RWFM 318	Coupled Social and Ecological Systems	3
RWFM 308	Fish and Wildlife Laws and Administration	3
RWFM 314	Principles of Rangeland Management Around the World	3
RWFM 323	Parks and Protected Area Management	3
RWFM 345	Human Dimensions of Natural Resource Management and Policy	3

Semester Credit Hours 15

Spring

AGEC 325	Principles of Farm and Ranch Management	3
RPTS 336	Research and Analysis in Recreation and Tourism	3
RWFM 321	Communicating Natural Resources	3
RWFM 322	Community Development and Sustainability	3
STAT 302	Statistical Methods	3

Semester Credit Hours 15

Fourth Year

Fall

ECCB 351	Geographic Information Systems for Resource Management	3
RPTS 460/ ECCB 460	Nature, Values, and Protected Areas	3
RWFM 436	Natural Resources Policy	3
RWFM 484	Internship	1
Directed elective ¹		3
General elective ²		2

Semester Credit Hours 15

Spring

RWFM 375	Conservation of Natural Resources	3
RWFM 461	Community-Based Conservation	3
RWFM 481	Senior Seminar	1
Directed elective ¹		3
General elective ²		3
Semester Credit Hours		13
Total Semester Credit Hours		120

¹ Direct electives to be chosen in consultation with Academic Advisor.

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.