

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

Program Requirements

First Year

Fall		Semester Credit Hours
AGEC 105	Introduction to Agricultural Economics	3
BIOL 111	Introductory Biology I	4
ENGL 210	Technical and Professional Writing	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
COMM 203	Public Speaking	3
ECCB 205	Fundamentals of Ecology	3
ECCB 215	Fundamentals of Ecology--Laboratory	1
MATH 142	Business Calculus	3
Semester Credit Hours		14

Second Year

Fall		Semester Credit Hours
CHEM 119	Fundamentals of Chemistry I	4
POLS 206	American National Government	3
RWFM 202	Concepts in Applied Plant Biology	3
Creative arts (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts)		3
Language, philosophy and culture (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture)		3
Semester Credit Hours		16

Spring

POLS 207	State and Local Government	3
RWFM 305	Principles and Practices of Wildlife and Fisheries Management	3
RWFM 314	Principles of Rangeland Management Around the World	3
RWFM 345 or RWFM 436	Human Dimensions of Natural Resource Management and Policy or Natural Resources Policy	3
Semester Credit Hours		12

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 321	Communicating Natural Resources	3
RWFM 370	Aquatic Vegetation Identification and Management	3
STAT 302	Statistical Methods	3
Directed elective ²		4
Semester Credit Hours		16

Spring

AGEC 325	Principles of Farm and Ranch Management	3
RWFM 308	Fish and Wildlife Laws and Administration	3
RWFM 371	Fisheries and Small Impoundment Management	3
RWFM 404 or RWFM 443	Aquatic Ecosystems or Aquaculture Production and Hatchery Management	3
General elective		2-3
Semester Credit Hours		15

Summer

RWFM 484	Internship	1
Semester Credit Hours		1

Fourth Year

Fall

ECCB 311	Ichthyology	3
RWFM 351	Geographic Information Systems for Resource Management	3
RWFM 375	Conservation of Natural Resources	3
RWFM 410 or RWFM 447	Principles of Fisheries Techniques and Management or Aquatic Animal Nutrition, Diet Formulation and Feeding	3-4
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history)		3
Semester Credit Hours		15

Spring

RWFM 350 or RWFM 445	Wildlife and Fisheries Population Dynamics or Fish Health and Diseases	3
RWFM 446	Fish Physiology	3
RWFM 481	Senior Seminar	1
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history)		3
Directed elective ²		4
Semester Credit Hours		14
Total Semester Credit Hours		120

¹ Must make a grade of C or better.

² 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.

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.