

WILDLIFE AND FISHERIES SCIENCES - BS, FISHERIES, AQUACULTURE AND AQUATIC SCIENCES TRACK

Program Requirements

First Year

		Semester Credit Hours
Fall		
BIOL 111	Introductory Biology I	4
ECCB 205	Fundamentals of Ecology ¹	3
MATH 140	Mathematics for Business and Social Sciences	3
WFSC 101	Introduction to Wildlife and Fisheries ¹	3
Directed elective ²		3
Semester Credit Hours		16

Spring

BIOL 112	Introductory Biology II	4
MATH 142	Business Calculus	3
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history) ³		3
Language, philosophy and culture (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture) ³		3
Social and behavioral sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences) ³		3
Semester Credit Hours		16

Second Year

		Semester Credit Hours
Fall		
CHEM 119	Fundamentals of Chemistry I	4
ECCB 302	Diversity and Evolution of Vertebrates ¹	3
ENGL 104	Composition and Rhetoric	3
American history (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history) ³		3
Creative arts (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts) ³		3
Semester Credit Hours		16

Spring

CHEM 222	Elements of Organic and Biological Chemistry	3
COMM 203	Public Speaking	3
ECCB 215	Fundamentals of Ecology--Laboratory ¹	1
Select one of the following:		3-4
BIOL 388	Principles of Animal Physiology	
ECCB 313	Diversity and Evolution of Invertebrates	
VTPP 423	Biomedical Physiology I	

Government/Political science (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science) ³	3
Directed elective ²	1

Semester Credit Hours 14

Third Year

Fall

ECCB 311	Ichthyology ¹	3
ECCB 403	Population and Community Ecology ¹	3
STAT 302	Statistical Methods	3
RWFM 449	Professional Aspects of Aquatic Ecology	3
Government/Political science (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science) ³	3	

Semester Credit Hours 15

Spring

PHYS 201	College Physics	4
RWFM 308	Fish and Wildlife Laws and Administration	3
RWFM 404	Aquatic Ecosystems ¹	3
WFSC 425	Marine Fisheries ¹	3
Directed elective ²		4

Semester Credit Hours 17

Fourth Year

Fall

ECCB 448	Fish Ecophysiology ¹	3
RWFM 410	Principles of Fisheries Management ¹	4
RWFM 447	Aquaculture II: Aquatic Animal Nutrition, Feeding and Disease Management ¹	3
Select one of the following: ¹		3
ECCB 300/ ENTO 300	Field Studies	
RWFM 484	Internship	
RWFM 485	Directed Studies	
RWFM 491	Research	

Semester Credit Hours 13

Spring

ECCB 304	Conservation Biology ¹	3
ENGL 210	Technical and Professional Writing	3
GENE 301 & GENE 312	Comprehensive Genetics and Comprehensive Genetics Laboratory	4
RWFM 443	Aquaculture I: Principles and Practices ¹	3

Semester Credit Hours 13

Total Semester Credit Hours 120

¹ Must make a grade of C or better.

² Directed electives to be chosen in areas related to fisheries, aquaculture and related topics.

³ 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/>)

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courses. A course satisfying a Core category, a college/department requirement, or a free elective can be used to satisfy this requirement.

A total of 120 semester hours will be required for a BS degree.