

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

## Program Requirements

### First Year

	Semester Credit Hours	
<b>Fall</b>		
BIOL 111	Introductory Biology I	4
REN205	Fundamentals of Ecology	3
MATH 140	Mathematics for Business and Social Sciences	3
WFSC 101	Introduction to Wildlife and Fisheries	3
Directed elective <sup>1</sup>		2
Semester Credit Hours		15

### Spring

BIOL 112	Introductory Biology II	4
MATH 142	Business Calculus	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> ) <sup>2</sup>		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> ) <sup>2</sup>		3
Social and behavioral sciences ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences</a> ) <sup>2</sup>		3
Semester Credit Hours		16

### Second Year

	Semester Credit Hours	
<b>Fall</b>		
CHEM 119	Fundamentals of Chemistry I	4
ENGL 104	Composition and Rhetoric	3
WFSC 302	Natural History of the Vertebrates	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> ) <sup>2</sup>		3
Creative arts ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts</a> ) <sup>2</sup>		3
Semester Credit Hours		16

### Spring

CHEM 222	Elements of Organic and Biological Chemistry	3
COMM 203	Public Speaking	3
REN215	Fundamentals of Ecology--Laboratory	1
Select one of the following:		4
BIOL 388	Principles of Animal Physiology	
VTPP 423	Biomedical Physiology I	
WFSC 316	Field Herpetology	

WFSC 335	Natural History of the Invertebrates	
Government/Political science ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science</a> ) <sup>2</sup>		3
Semester Credit Hours		14

### Third Year

	Semester Credit Hours	
<b>Fall</b>		
STAT 302	Statistical Methods	3
WFSC 311	Ichthyology	3
WFSC 403	Animal Ecology	3
WFSC 449	Professional Aspects of Aquatic Ecology	3
Government/Political science ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science</a> ) <sup>2</sup>		3
Semester Credit Hours		15

### Spring

PHYS 201	College Physics	4
WFSC 303	Fish and Wildlife Laws and Administration	3
WFSC 404	Aquatic Ecosystems	3
WFSC 425	Marine Fisheries	3
Directed elective <sup>1</sup>		3
Semester Credit Hours		16

### Fourth Year

	Semester Credit Hours	
<b>Fall</b>		
WFSC 410	Principles of Fisheries Management	4
WFSC 447	Aquaculture II: Aquatic Animal Nutrition, Feeding and Disease Management	4
WFSC 448	Fish Ecophysiology	3
Select one of the following:		3
WFSC 300/ ENTO 300	Field Studies	
WFSC 484	Internship	
WFSC 485	Directed Studies	
WFSC 491	Research	
Semester Credit Hours		14

### Spring

ENGL 210	Technical and Business Writing	3
GENE 301 & GENE 312	Comprehensive Genetics and Comprehensive Genetics Laboratory	4
WFSC 304	Wildlife and Fisheries Conservation	3
WFSC 444	Aquaculture I: Principles and Practices	4
Semester Credit Hours		14
Total Semester Credit Hours		120

<sup>1</sup> Directed electives to be chosen in areas related to fisheries, aquaculture and related topics.

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<sup>2</sup> 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.

Students are required to make a C or better in all WFSC and RENR 205/RENR 215 courses.

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