

# BS-Biology-Wildlife Ecology-Emphasis: BA/BS BSCI

## Core Curriculum Courses

See the Core Curriculum Requirements (<http://coursecatalog.tamuc.edu/undergrad/core-curriculum-requirements/>) 42

## Required courses in the major 30

BSC 1406	Introductory Biology I	4
BSC 1407	Introductory Biology II	4
BSC 303	Cell Biology	4
BSC 304	Genetics	4
BSC 305	General Physiology	4
BSC 306	Applied Microbiology	4
BSC 307	Ecology	3
BSC 401	Research Literature and Seminar	1

## Required support courses 26

CHEM 1311	General and Quantitative Chemistry I *	
CHEM 1111	General and Quantitative Chemistry Laboratory I	1
CHEM 101	General Chemistry Tutorial I	1
CHEM 1312	General and Quantitative Chemistry II *	
CHEM 1112	General and Quantitative Chemistry Laboratory II	1
CHEM 102	General Chemistry Tutorial II	1
CHEM 2323	Organic Chemistry I	3
CHEM 2123	Organic Chemistry Laboratory I	1
CHEM 2325	Organic Chemistry II	3
CHEM 2125	Organic Chemistry Laboratory II	1
PHYS 1401	College Physics I	4
or PHYS 2425	University Physics I	
PHYS 1402	College Physics II	4
or PHYS 2426	University Physics II	
SOC 1301	Introduction to Sociology *	

Plus 6 sequential sh from:

MATH 1314	College Algebra *	
MATH 2312	Pre-Calculus *	
MATH 2413	Calculus I *	
MATH 2414	Calculus II	4

Plus one course from:

BSC 412	Fundamentals of Biostatistics	3
MATH 453	Essentials of Statistics	3

Plus one course from:

HHPH 331	Nutrition *	
or PSY 2301	Introduction to Psychology	

## Advanced Courses Required 22

BSC 315	Ecological Genetics	3
BSC 337	Field Methods in Wildlife and Conservation Science	4
BSC 404	Vertebrate Biology	3
BSC 438	Wetland Ecology and Management	4
BSC 440	Human Dimensions of Wildlife	3
Plus 6 Sch from:		
BSC 314	Comparative Vertebrate Physiology	3
BSC 402	Ornithology	3

BSC 406	Mammalogy	3
BSC 417	Geospatial Mapping	3
BSC 435	Wildlife Habitat Ecology and Management	3
BSC 436	Plant Diversity & Conservation	3
BSC 462	Agroecology	3
BSC 463	Landscape Ecology	3
BSC 464	Principles of Sustainability	3
<b>Total Hours</b>		<b>120</b>

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This course should be used to satisfy the Core Curriculum Requirements.