

Wildlife and Conservation Science B.S.

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This program will be jointly administered by both the Department of Biological and Environmental Science and Agricultural Sciences and Natural Resources.

Core Curriculum Courses

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

Required Common Courses in the Major (26) 26

BSC 307	Ecology	3
AG 404	Vertebrate Biology	3
or BSC 404	Vertebrate Biology	
AG 316	Becoming a Wildlife Professional	3
or BSC 316		
PLS 460	Plant Taxonomy	3
BSC 337	Field Methods in Wildlife and Conservation Science	4
or AG 337	Field Methods in Wildlife and Conservation Science	
PLS 309	Soil Science	4
& PLS 329	and Soil Science Laboratory	
AG 440	Human Dimensions of Wildlife	3
or BSC 440	Human Dimensions of Wildlife	
BSC 412	Fundamentals of Biostatistics	3
or AG 412	Fundamentals of Biostatistics	

Required Courses in the Major – Biology Majors (28 sch) 28

BSC 1411	Botany	4
BSC 1413	Zoology	4
BSC 335	Wildlife Management I	3
BSC 336	Wildlife Management II	3
BSC 315	Ecological Genetics	3
or AG 315	Ecological Genetics	
BSC 314	Comparative Vertebrate Physiology	3
BSC 405	Wildlife Internship	5
BSC 436	Plant Diversity & Conservation	3
or AG 436	Plant Diversity & Conservation	

Required Courses in the Major – Agriculture Majors (31 sch) 31

AG 1131	Intro To Agriculture	1
BSC 1411	Botany	4
OR		
PLS 1307	Introduction to Plant Science & Agronomy (&)	
PLS 1107	Applied Plant Science Lab	
OR		
PLS 1315	Introduction to Horticulture (&)	
PLS 1115	Introduction to Horticulture Laboratory	
BSC 1413	Zoology	4
AG 335	Wildlife Management I	3
AG 336	Wildlife Management II	3
ANS 310	Animal Genetics	3
ANS 1319	Introduction to Animal Science	3
AG 405	Internship Agri-Industries	3
AG 400	Seminar	1
AG 418	Undergraduate Research Experience	1-3
or AG 383	Waterfowl Management	

ALC 4301 or ANZ 4303	Professional Presentations in Agricultural Leadership, Education, and Communications Communicating Science to the Public	3
AG 381 or BSC 381	Big Game Management Big Game Management	3
Upper Level Electives – Biology Majors (22 sch)		21
Select upper level electives from the following:		
BSC 338 or AG 338	Wildlife Management Techniques Wildlife Management Techniques	3
BSC 438 or AG 438	Wetland Ecology and Management Wetland Ecology and Management	4
BSC 402 or AG 402	Ornithology Ornithology	3
BSC 406 or AG 406	Mammalogy Mammalogy	3
BSC 415 or AG 415	Upland Game Bird Ecology and Management Upland Bird Ecology and Management	3
BSC 416 or AG 416	Wildlife Population Biology Wildlife Population Biology	3
BSC 417 or AG 417	Geospatial Mapping Geospatial Mapping	3
BSC 435 or AG 435	Wildlife Habitat Ecology and Management Wildlife Habitat Ecology and M	3
BSC 462 or AG 462	Agroecology Agroecology	3
BSC 463 or AG 463	Landscape Ecology Landscape Ecology	3
BSC 464 or AG 464	Principles of Sustainability Principles of Sustainability	3
AG 423	Natural Resources Management	3
ENVS 403	Environmental Ethics and Law	3
BSC 418	Undergraduate Research	1-3
BSC 383 or AG 383	Waterfowl Management Waterfowl Management	3
BSC 385 or AG 385	International Wildlife Conservation International Wildlife Conservation	3
BSC 381 or AG 381	Big Game Management Big Game Management	3
Upper Level Electives – Agriculture Majors (19 sch)		19
Select upper level electives from the following:		
AG 435 or BSC 435	Wildlife Habitat Ecology and M Wildlife Habitat Ecology and Management	3
AG 338 or BSC 338	Wildlife Management Techniques Wildlife Management Techniques	3
AG 438 or BSC 438	Wetland Ecology and Management Wetland Ecology and Management	4
AG 402 or BSC 402	Ornithology Ornithology	3
AG 406 or BSC 406	Mammalogy Mammalogy	3
AG 417 or BSC 417	Geospatial Mapping Geospatial Mapping	3
ENVS 403	Environmental Ethics and Law	3

AG 415	Upland Bird Ecology and Management	3
or BSC 415	Upland Game Bird Ecology and Management	
AG 462	Agroecology	3
or BSC 462	Agroecology	
AG 463	Landscape Ecology	3
or BSC 463	Landscape Ecology	
AG 464	Principles of Sustainability	3
or BSC 464	Principles of Sustainability	
AG 423	Natural Resources Management	3
AG 416	Wildlife Population Biology	3
or BSC 416	Wildlife Population Biology	
AEC 360	Agricultural Law	3
or ANZ 3335	Laws and Regulations of Animal Care and Use	
AG 385	International Wildlife Conservation	3
or BSC 385	International Wildlife Conservation	
Required support courses		
MATH 1314	College Algebra *	
MATH 2312	Pre-Calculus *	
CHEM 1305	Introductory Chemistry I *	
CHEM 1105	Introductory Chemistry Laboratory I	1
CHEM 1307	Introductory Chemistry II *	
CHEM 1107	Introductory Chemistry Laboratory II *	1
Total		120

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This course can be used to satisfy the Common Core Requirements.

A grade of "C" or higher must be earned in all courses in this Major.

Program will also accept CHEM 1312 General and Quantitative Chemistry II(common course CHEM 1312 General and Quantitative Chemistry II) as substitute for CHEM 1307 Introductory Chemistry II; BSC 305 General Physiology as substitute for ANS 319 Anatomy and Physiology of Domestic Animals.