

Wildlife and Conservation Science B.S.

Learn to preserve and maintain biodiversity and the integrity of natural systems by earning your Bachelor of Science in Wildlife and Conservation at Texas A&M University-Commerce. In our program, you will gain tools to help restore and maintain the earth's wildlife legacy while learning to protect its ecosystems. Through hands-on research in our university wetland, practical exercises, field trips, internships, and personal instruction in the classroom, you will gain marketable expertise in soils, ecology, botany and zoology – all of the knowledge and skills necessary to protect our planet.

Our graduates pursue careers as wildlife managers, park rangers, urban biologists, game wardens, ecologists, conservation planners, and more. They are prepared to excel in positions with governmental agencies and private organizations such as: Texas Parks and Wildlife, the U.S. Fish and Wildlife Service, the National Forest Service, the Nature Conservancy and the Audubon Society. Opportunities on private game ranches and nature centers are also available to graduates.

Core Curriculum Courses

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

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 or BSC 415	Upland Bird Ecology and Management Upland Game Bird Ecology and Management	3
AG 462 or BSC 462	Agroecology Agroecology	3
AG 463 or BSC 463	Landscape Ecology Landscape Ecology	3
AG 464 or BSC 464	Principles of Sustainability Principles of Sustainability	3
AG 423	Natural Resources Management	3
AG 416 or BSC 416	Wildlife Population Biology Wildlife Population Biology	3
AEC 360 or ANZ 3335	Agricultural Law Laws and Regulations of Animal Care and Use	3
AG 385 or BSC 385	International Wildlife Conservation International Wildlife Conservation	3
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.