

# 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 (<http://coursecatalog.tamuc.edu/undergrad/core-curriculum-requirements/>) 42

## Required Common Courses in the Major (27) 27

AG 201	Biological Literature	3
or BSC 201	Biological Literature	
BSC 307	Ecology	3
AG 404	Vertebrate Biology	3
or BSC 404	Vertebrate Biology	
AG 316	Becoming a Wildlife Professional	3
or BSC 316	Becoming a Wildlife Professional	
PLS 309	Soil Science	3
AG 440	Human Dimensions of Wildlife	3
or BSC 440	Human Dimensions of Wildlife	

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

BSC 111	Introduction to Biology	1
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
BSC 314	Comparative Vertebrate Physiology	3
BSC 405	Wildlife Internship	4
BSC 436	Plant Diversity & Conservation	3

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

AG 1131	Intro To Agriculture	1
BSC 1411	Botany	
or PLS 1307	Introduction to Plant Science	
&		
PLS 1107	Introduction to Plant Science Lab	1
or PLS 1315	Introduction to Horticulture	
&		
PLS 1115	Introduction to Horticulture Laboratory	1
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	6
AEC 360	Agricultural Law	3
AG 400	Seminar	1

## Upper Level Electives – Biology Majors (21 sch) 21

Select upper level electives from the following:

BSC 338	Wildlife Management Techniques	3
BSC 438	Wetland Ecology and Management	4
BSC 402	Ornithology	3
BSC 406	Mammalogy	3
BSC 412	Quantitative Biology	3
BSC 415	Upland Game Bird Ecology and Management	3
BSC 416	Wildlife Population Biology	3
BSC 417	Geospatial Mapping	3
BSC 435	Wildlife Habitat Ecology and Management	3
BSC 462	Agroecology	3
BSC 463	Landscape Ecology	3
BSC 464	Principles of Sustainability	3
AMC 423	Natural Resources Management	3
ENVS 403	Environmental Ethics and Law	3

**Upper Level Electives – Agriculture Majors (18 sch) 18**

Select upper level electives from the following:

AG 435	Wildlife Habitat Ecology and M	3
AG 338	Wildlife Management Techniques	3
AG 438	Wetland Ecology and Management	4
AG 402	Ornithology	3
AG 406	Mammalogy	3
AG 417	Geospatial Mapping	3
ENVS 403	Environmental Ethics and Law	3
BSC 412	Quantitative Biology	3
AG 415	Upland Bird Ecology and Management	3
AG 462	Agroecology	3
AG 463	Landscape Ecology	3
AG 464	Principles of Sustainability	3
AG 436	Plant Diversity & Conservation	3
AMC 423	Natural Resources Management	3
AG 416	Wildlife Population Biology	3

**Required support courses**

MATH 1314	US-College Algebra *	
MATH 2312	Pre-Calculus *	
CHEM 1305	Survey of General Chemistry *	
CHEM 1105	Experimental Survey of General Chemistry: Laboratory Section	1
CHEM 1307	Survey of Organic and Biochemistry *	
CHEM 1107	Experimental Survey of Organic and Biochemistry: Laboratory Section *	1

**Total 120**

\*

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 with the exception of the Support Course a grade of "D" is acceptable.