Minimum required: 120 semester credit hours

General Requirements

1. The general education core curriculum courses are listed in the degree plan below along with the statewide component code number. See the General Education Core Curriculum (http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum/) section of this catalog for the Texas State requirements and options in the core curriculum, including Honors courses.
2. Students must complete a minimum of 36 advanced hours (3000 or 4000 level courses).
3. The minimum number of hours required for this degree program is 120. The number of elective hours a student completes depends on the number of hours a student may need to achieve the required 120 total or 36 advanced hours.
4. Students entering Texas State with fewer than 16 credit hours completed after high school graduation will be required to take US 1100. All others will be exempt from taking this course. Students may be required to earn an additional elective to reach the 120 minimum total credit hour requirement for the awarding of a degree.
5. Nine semester credit hours must be writing intensive (WI).
6. If two years of the same foreign language were taken in high school, then no additional language hours will be required. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.
7. This Bachelor of Science degree plan includes courses in preparation for The Wildlife Society certification as an Associate Wildlife Biologist (https://wildlife.org/learn/professional-development-certification/certification-programs/), and does not require a minor.
8. For transfer students, 24 semester credit hours in biology, chemistry and physics (or their equivalents) may be transferred from a Texas public institution of higher education for the Biology Field of Study and be applied to the Bachelor of Science degree with a major in Wildlife Biology at Texas State University. More information about the Field of Study (http://mycatalog.txstate.edu/undergraduate/general-information/academic-policies/texas-legislative-requirements/) is available in the Academic Policies section of this catalog. The transferable Texas Common Course Number (TCCN) is listed below the Texas State University course number in the following course list.

Code	Title	Hours
BIO 1330	Functional Biology	3
TCCN: BIOL 1306		
BIO 1130	Functional Biology Laboratory	1
TCCN: BIOL 1106		
BIO 1331	Organismal Biology	3
TCCN: BIOL 1307		
BIO 1131	Organismal Biology Laboratory	1
TCCN: BIOL 1107		
CHEM 1341	General Chemistry I	3
TCCN: CHEM 1311		
CHEM 1141	General Chemistry Laboratory I	1
TCCN: CHEM 1111		
CHEM 1342	General Chemistry II	3
TCCN: CHEM 1312		
CHEM 1142	General Chemistry Laboratory II	1
TCCN: CHEM 1112		
CHEM 2341	Organic Chemistry I	3
TCCN: CHEM 2323		
CHEM 2141	Organic Chemistry Laboratory I	1
TCCN: CHEM 2123		
PHYS 1315	General Physics I	3
TCCN: PHYS 1301		
PHYS 1115	General Physics I Laboratory	1
TCCN: PHYS 1101		
Total Hours		**24**

Course Requirements

Freshman

First Hours Semester		Second Hours Semester	
BIO 1330 (Life and Physical Sciences Component Code 030 [TCCN BIOL 1306])	3	BIO 1331 (Life and Physical Sciences Component Code 030 [TCCN BIOL 1307])	3
BIO 1130 (TCCN BIOL 1106)	1	BIO 1131 (TCCN BIOL 1107)	1
CHEM 1341 & CHEM 1141 (TCCN 1311 & 1111)	4	CHEM 1342 & CHEM 1142 (TCCN CHEM 1312 & 1112)	4
US 1100	1	American History Component Code 060	3
Communication Component Code 010	3	Creative Arts Component Code 050	3
Government Political Science Component Code 070	3		
	15		**14**

Sophomore

First Hours Semester		Second Hours Semester	
BIO 2410	4	BIO 2411	4
BIO 2450 (TCCN BIOL 2416)	4	Component Area Option 090/091/09	3

American History Component Code 060	3	Government/ Political Science Component Code 070	3
MATH 2321 or 2471 (Mathemati Component Code 020 [TCCN MATH 2313 or 2413])	3-4	MATH 2328, HP 3302, or AG 3352 (TCCN MATH 1342 or 2342)	3
		CHEM 2330	3
	14-15		**16**

Junior

First Hours Semester		Second Hours Semester		Summer Hours	
Component Area Option 090/091/092/093/094	3	ENG 3303 (Communication Component Code 010)	3	PHIL 1305 or 1320 (Language, Philosophy, and Culture Component Code 040 [TCCN PHIL 1305 or PHIL 2306])[1]	3
BIO 4416	4	Advanced Vertebrate Elective[2,3]	3-4	Advanced Vertebrate Elective[2,3]	3-4
Botany Elective[2]	3-4	Physiology Course[2]	4		
Choose 4 hours from the following:	4	Botany Elective[2]	3-4		
PHYS 1315 & PHYS 1115 (TCCN PHYS 1301 & 1101)					
PHYS 13: & PHYS 1 (TCCN PHYS 1101)					
	14-15		**13-14**		**6-7**

Senior

First Hours Semester		Second Hours Semester	
Advanced Vertebrate Elective[2,3]	4	BIO 4301	3
BIO 4423	4	BIO 4425	4
Policy Elective	3	BIO 4435	4
Social and Behavioral Sciences Component Code 080	3	Conservatio Elective	3
	14		**14**

Total Hours: 120-124

1 While PHIL 1305 or PHIL 1320 are strongly preferred, the department will allow other Language, Philosophy, and Culture Component Code 040 courses to satisfy this requirement.

2 Individual biology advanced electives can apply to only one requirement and cannot satisfy multiple requirements.

3 Students must complete (1) advanced vertebrate elective from group one and (2) vertebrate electives from group two.

Electives

Code	Title	Hours
Advanced Vertebrate Elective Group One		
Choose 1 course from the follwing		
BIO 4350I	Bird Conservation and Management	
BIO 4418	Field Ornithology	
BIO 4420	Natural History of the Vertebrates	
BIO 4421	Ornithology	
BIO 4422	Mammalogy	
BIO 4434	Herpetology	
BIO 4436	Tropical Biology	
Advanced Vertebrate Elective Group Two		
Choose 2 from the following:		
BIO 4324	Natural History and Conservation of Large Mammals	
BIO 4338	Tropical Ecology and Conservation	
BIO 4350I	Bird Conservation and Management	
BIO 4351Q		
BIO 4415	Ichthyology	
BIO 4418	Field Ornithology	
BIO 4420	Natural History of the Vertebrates	
BIO 4421	Ornithology	
BIO 4422	Mammalogy	
BIO 4434	Herpetology	
BIO 4436	Tropical Biology	
BIO 4472	Animal Behavior	
Botany Elective Option		
Choose 2 from the following:		
BIO 3406	Economic Botany	
BIO 3461	Plant Taxonomy	
BIO 4351F	Marine Ecology and Conservation	
BIO 4400	Plants Important for Wildlife	
BIO 4410	Field Biology of Plants	
BIO 4429	Wetland Plant Ecology and Management	
BIO 4454	Plant Ecology	

BIO 4338	Tropical Ecology and Conservation
Physiology Course Options	
Choose 1 from the following:	
BIO 3421	Vertebrate Physiology
BIO 4343	Fish Physiology
BIO 4350J	Environmental Physiology of Animals
BIO 4455	Plant Physiology
Policy Elective Option	
Choose 1 from the following:	
BIO 4304	Wildlife and Recreation: Impact, Policy, and Management
BIO 4350M	Wildlife Policy and Law in North America
BIO 4307	Ecology of Rarity
BIO 4331	Human Dimensions of Wildlife and Fisheries Conservation
Conservation Elective Option	
Choose 1 from the following:	
BIO 4307	Ecology of Rarity
BIO 4319	Biological Resources: Conservation and Planning
BIO 4374	Principles of Zoo Management