

# BACHELOR OF SCIENCE (B.S.) MAJOR IN WILDLIFE BIOLOGY

**Minimum required: 127-128 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 127. The number of elective hours a student completes depends on the number of hours a student may need to achieve the required 127 total or 36 advanced hours.
4. Nine semester credit hours must be writing intensive (WI).
5. 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.
6. 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.
7. 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		
<b>Total Hours</b>		<b>24</b>

## 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 Communication Component Code 010	1 Communica Component Code 010	3
Communication Component Code 010	3 American History Component Code 060	3
Government Political Science Component Code 070	3	
	<b>15</b>	<b>14</b>

Sophomore

First Hours Semester	Second Hours Semester	
BIO 2450 (TCCN BIOL 2416)	4 BIO 2411	4
CHEM 2330 & CHEM 2130	4 PHYS 1315 & PHYS 111 (TCCN PHYS 1301 & 1101)	4

Creative Arts Component Code 050	3 Component Area Option 090/091/092/093/094	3
American History Component Code 060	3 Government Political Science Component Code 070	3
MATH 2321 or 2471 (Mathematics Component Code 020 [TCCN MATH 2313 or 2413])	3-4 MATH 2328, HP 3302, or AG 3352 (TCCN MATH 1342 or 2342)	3
<b>17-18</b>		<b>17</b>

BIO 4319 or 4307 <sup>3</sup>	3
<b>11</b>	<b>14</b>

**Total Hours: 127-128**

- <sup>1</sup> Choose one advanced ornithology elective from BIO 4421, BIO 4418, BIO 4350I or BIO 4436.
- <sup>2</sup> Choose two advanced vertebrate electives from BIO 4420, BIO 4422, BIO 4324, BIO 4415, BIO 4434, BIO 4436, BIO 4338 or BIO 4472.
- <sup>3</sup> BIO 4307 may satisfy only one degree course requirement.
- <sup>4</sup> BIO 4436 may satisfy only one advanced elective requirement.

		<b>Junior</b>	
First Hours Semester	Second Hours Semester	Summer Hours	
BIO 2410	4 ENG 3303	3 Language, Philosophy, and Culture Component Code 040	3
BIO 3406, 3461, 4400, 4410, 4429, or 4454	4 Choose 1 of the following:	4 Social and Behavioral Sciences Component Code 080	3
BIO 4416	4 BIO 3406, 3461, 4400, 4410, 4429, or 4454	BIO Advanced Electives <sup>2</sup>	4
Component Area Option 090/091/09	3 BIO Advanced Electives <sup>1,4</sup>		3
	BIO 3421, 4455, or 4441		4
<b>15</b>		<b>14</b>	<b>10</b>

		<b>Senior</b>	
First Hours Semester	Second Hours Semester		
BIO Advanced Electives <sup>2,4</sup>	4 BIO 4301	3	
BIO 4423	4 BIO 4425	4	
BIO 4304, 4350M, 4307, or 4331	3 BIO 4435	4	