BS – Wildlife Biology   (SC-BS/WLD)

Freshman Fall semester	Freshman Spring semester	Sophomore Fall semester	Sophomore Spring semester	Junior Fall semester	Junior Spring semester	Senior Fall semester	Senior Spring semester

This Bachelor of Science degree plan **may** include courses in preparation for The Wildlife Society certification as an Associate Wildlife Biologist, and does not require a minor.

MATH 2321
(F,S,Su)
Calculus for Life Sciences I
TCCNS MATH 2313

MATH 2328
(F,S,Su)
Elementary Statistics
TCCNS MATH 1442
(AG 3352 and HP 3302 also accepted)

PHYS 1335
(F,S)
+
PHYS 1115
(F,S,Su)
Gen Physics for Life Sciences I
OR
PHYS 1315+1115
(F,S,Su)
Gen Physics I
TCCNS PHYS 1301+1101 or 1401
OR
PHYS 2325+2125
(F,S)
Mechanics
TCCNS PHYS 2425 or 2325/2125

ENG 3303
(F,S,Su)
Technical Writing

See page 2 for elective options →

BIO 2410
(F)
General Botany

One Advanced Vertebrate Electives: Group I*
(Check Prerequisites)

One Conservation Elective*
(Check Prerequisites)

BIO 1330
+
BIO 1130
(F,S,Su)
Functional Biology
TCCNS: BIOL 1306+1106 or 1406
(Check Prerequisites)

BIO 1331
(F,S,Su)
+
BIO 1131
(F,S)
Organismal Biology
TCCNS: BIOL 1307+1107 or 1407
(Check Prerequisites)

CHEM 1341
+
CHEM 1141
(F,S,Su)
General Chemistry I
TCCNS: CHEM 1311+1111 or 1411
(See Note for Prerequisite Information)

CHEM 1342
+
CHEM 1142
(F,S,Su)
General Chemistry II
TCCNS: CHEM 1312+1112 or 1412

BIO 2411
(S)
Intermediate Zoology

Two Advanced Vertebrate Electives: Group II*
(Check Prerequisites)

BIO 4423
(F,S)
Wildlife Management

BIO 2450
(F,S)
Genetics
TCCNS: BIO 2416 or 2316+2116

or BIO 2410

BIO 4416
(F,S)
General Ecology

BIO 4435
(F,S)
Techniques in Wildlife Management

CHEM 1341
Prerequisite Requirements:

Must complete 1 of the following mathematics prerequisites:
- MATH 1315 or MATH 1317 or MATH 1319 or MATH 1329 or MATH 2321 or MATH 2417 or MATH 2471 - any with a grade of "C" or better
- ACT Mathematics score of 24 or better
- New ACT Mathematics score of 25 or better
- SAT Mathematics score of 550 or better
- Accuplacer College Mathematics score of 86 or better
- Compass College Algebra score of 46 or better
- Next-Generation Advanced Algebra and Functions Test of 263 or better

AND

Must complete 1 of the following to demonstrate Chemistry Readiness:
- Completion of Chemistry Readiness Exam with a score of 80 or better
- CHEM 1320 grade of "C" or better

Two Advanced Botany electives*
(Check Prerequisites)

One Advanced Policy elective*
(Check Prerequisites)

BIO 4301
(F,S,Su)
Evolution

CHEM 2330
(F,S,Su)
Fundamentals of Organic Chemistry

For BIO 4441

One Advanced Physiology elective*
(Check Prerequisites)

BIO 4425
(F,S)
Biometry
(Check Prerequisites)

This is not an official degree audit and it is subject to change. This chart is intended to be used by students who start out at Texas State. Please contact the College of Science Undergraduate Advising Center for advising.

Note: In addition to major courses, students must also complete all core and minor requirements (if applicable) and any other requirements for graduation.

KEY:
Arrows indicate prerequisites.
Arrows with dotted lines indicate co-requisites.
Arrows with dash lines are recommended prerequisites.
Courses taught specific semesters are indicated with the following codes:
F-Fall   Su-Summer Session I or II
S-Spring
Required WI courses: BIO 4423, ENG 3303
Additional WI courses: BIO 4420, 4441, 4454, 4472

Core courses must be completed:

Credits	Core	TXST options
___ 6 credits	Core 010	TXST options: ENG 1310, ENG 1320, ENG 1321 or COMM 1310 **AND** ENG 3303
___ 3 credits	Core 020	WLD required course: MATH 2321 or 2471
___ 6 credits	Core 030	WLD required course: CHEM 1341/1141, 1342/1142, BIO 1330, 1331, PHYS 1315 or 1335 or 2325
___ 3 credits	Core 040	TXST options: PHIL 1305 or 1320, ENG 2310, 2320, 2330, 2340, 2359, 2360 or 2371
___ 3 credits	Core 050	TXST options: See catalog for options: http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum/
___ 6 credits	Core 060	TXST options:[HIST 1310/2327/2381] and [HIST 1320/2328/2382]
___ 6 credits	Core 070	TXST options: POSI 2310 & POSI 2320
___ 3 credits	Core 080	TXST options: ANTH 1312, ECO 2301 or 2314, GEO 1310, PSY 1300, SOCI 1310, CA 2351, or PFW 1301
___ 6 credits	Core 090, 091, 092, 093, 094, & 095	See catalog for options: http://mycatalog.txstate.edu/undergraduate/general-education-core-curriculum/

US 1100 may be required for some students. Consult with an advisor regarding course choices.

Elective Options for Wildlife Biology

One Advanced Vertebrate Electives: Group I

- BIO 4350I Bird Conservation & Management (F)
- BIO 4418 Field Ornithology
- BIO 4420 Natural History of the Vertebrates (F,S,Su)
- BIO 4421 Ornithology (S)
- BIO 4422 Mammalogy (F,S)
- BIO 4434 Herpetology (Su, S)
- BIO 4436 Tropical Biology (Su as Study Abroad)

(Check Prerequisites)

Two Advanced Vertebrate Electives: Group II

- BIO 4324 Natural History and Conservation of Large Mammals (Su as Study Abroad)
- BIO 4338 Tropical Ecology & Conservation (Su as Study Abroad)
- BIO 4350I Bird Conservation and Management
- BIO 4351Q International Ecology & Conservation of Wildlife (Su as Study Abroad)
- BIO 4415 Icthyology
- BIO 4418 Field Ornithology
- BIO 4420 Natural History of the Vertebrates (F,S,Su)
- BIO 4421 Ornithology (S)
- BIO 4422 Mammalogy (F,S)
- BIO 4434 Herpetology (S,Su)
- BIO 4436 Tropical Biology (Su as Study Abroad)
- BIO 4472 Animal Behavior (F)

(Check Prerequisites)

Two Advanced Botany electives:

- BIO 3406 Economic Botany (F,S)
- BIO 3461 Plant Taxonomy (S)
- BIO 4351F Marine Ecology & Conservation
- BIO 4338 Tropical Ecology & Conservation
- BIO 4400 Plants Important for Wildlife (F)
- BIO 4410 Field Biology of Plants (F)
- BIO 4429 Wetlands Plant Ecology & Management (S)
- BIO 4454 Plant Ecology (S)

(Check Prerequisites)

One Conservation elective:

- BIO 4319 Conservation of Biological Resources (S)
- BIO 4307 Ecology of Rarity (S)*(Note: BIO 4307 can only be used to satisfy one degree requirement.)*
- BIO 4374 Principles of Zoo Management

(Check Prerequisites)

One Advanced Policy elective:

- BIO 4304 Wildlife & Recreation Management (S, Su as Study Abroad)
- BIO 4350M Wildlife Law (F)
- BIO 4307 Ecology of Rarity (S)
- BIO 4331 Human Dimensions of Wildlife and Fisheries (F)

(Check Prerequisites)

One Advanced Physiology elective:

- BIO 3421 Vertebrate Physiology (S)
- BIO 4343 Fish Physiology (S)
- BIO 4350J Environmental Physiology of Animals (F)
- BIO 4455 Plant Physiology (F)

(Check Prerequisites)