**BS – Wildlife Biology**

(SC-BS/WLD)

2023 Catalog year: College of Science and Engineering

**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.**

**Core courses must be completed:**
- 6 credits Core 010
- 3 credits Core 020
- 6 credits Core 030
- 3 credits Core 040
- 3 credits Core 050
- 6 credits Core 060
- 6 credits Core 070
- 3 credits Core 080
- 6 credits Core 090, 091, 092, 093, and 094

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.

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### Freshman Fall semester
- **CHEM 1341 (F,S,Su)**
- **CHEM 1142 (F,S,Su)**
  - General Chemistry I
  - TCCNS CHEM 1313 (check prerequisites)
- **BIO 1330 (F,S,Su)**
  - General Botany
  - TCCNS BIOL 1306
- **BIO 1130 (F,S,Su)**
  - General Botany
  - TCCNS BIOL 1106
- **BIO 1311+1111 or 1411**
- **Fundamentals of Organic Chem.**
  - TCCNS CHEM 2330

### Freshman Spring semester
- **BIO 1141**
  - General Botany
  - TCCNS BIOL 1307
- **CHEM 1342 (F,S,Su)**
  - General Chemistry II
  - TCCNS CHEM 1314
- **CHEM 1142**
  - General Chemistry II
  - TCCNS CHEM 1107

### Sophomore Fall semester
- **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)
- **BIO 2410 (F)**
  - General Botany
- **CHEM 2330 (F,S,Su)**
  - General Chemistry II
  - TCCNS CHEM 2313
- **CHEM 1142**
  - General Chemistry II
  - TCCNS CHEM 1107
- **CHEM 1341 (F,S,Su)**
  - General Chemistry I
  - TCCNS CHEM 1313

### Sophomore Spring semester
- **PHYS 1335 & 1115 (F,S,Su)**
  - Gen Physics for Life Sciences I
  - OR
  - TCCNS PHYS 1301
- **PHYS 1430 (F,S)**
  - Mechanics
  - TCCNS PHYS 2425
- **ENG 3303 (F,S,Su)**
  - Technical Writing

### Junior Fall semester
- **ENG 3303 (F,S)**
  - Technical Writing

### Junior Spring semester
- **ENG 3303 (F,S)**
  - Technical Writing

### Senior Fall semester
- **BIO 4423 (F)**
  - Wildlife Management
- **BIO 4425 (F,S)**
  - Biometry

### Senior Spring semester
- **BIO 4301 (F,S,Su)**
  - Evolution
- **BIO 4435 (F,S)**
  - Techniques in Wildlife Management

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**See page 2 for elective options**

**One Conservation Elective**
- **BIO 4416 (F,S)**
  - Animal Ecology
  - (check prerequisites)

**Two Advanced Botany Electives**
- **BIO 4411 (S)**
  - Intermediate Botany
- **BIO 2411 (S)**
  - General Botany

**Two Advanced Vertebrate Electives**
- **BIO 4416 (F,S)**
  - Animal Ecology
- **BIO 4411 (F,S)**
  - General Botany

**One Advanced Physiology Elective**
- **BIO 4416 (F,S)**
  - General Botany

**One Advanced Policy Elective**
- **BIO 4416 (F,S)**
  - General Botany

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**Additional WI courses:**
- BIO 4420, 4421, 4472
- Required WI courses: BIO 4416, 4423, ENG 3303
- Additional WI courses: BIO 4420, 4441, 4454, 4472

**Additional WI courses:**
- BIO 4420, 4421, 4472
- Required WI courses: BIO 4416, 4423, ENG 3303
- Additional WI courses: BIO 4420, 4441, 4454, 4472

**Technical Writing**
- ENG 3303

**One Conservation Elective**
- **BIO 4423 (F)**
  - Wildlife Management

**One Advanced Policy Elective**
- **BIO 4423 (F)**
  - Wildlife Management

**One Advanced Physiology Elective**
- **BIO 4423 (F)**
  - Wildlife Management

**One Conservation Elective**
- **BIO 4423 (F)**
  - Wildlife Management

**One Advanced Policy Elective**
- **BIO 4423 (F)**
  - Wildlife Management

**One Advanced Physiology Elective**
- **BIO 4423 (F)**
  - Wildlife Management

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**Arrows indicate prerequisites.**
**Arrows with dotted lines indicate co-requisites.**
**Arrows with dash lines are recommended prerequisites.**

**Key:**
- **F** – Fall
- **S** – Spring
- **Su** – Summer Session I or II
- **080** – Core 080
- **090** – Core 090
- **091** – Core 091
- **092** – Core 092
- **093** – Core 093
- **094** – Core 094
- **100** – Core 100
- **110** – Core 110
- **120** – Core 120
- **130** – Core 130
- **140** – Core 140
- **150** – Core 150
- **160** – Core 160
- **170** – Core 170
- **180** – Core 180
- **200** – Core 200
- **210** – Core 210
- **220** – Core 220
- **230** – Core 230
- **240** – Core 240
- **250** – Core 250
- **260** – Core 260
- **270** – Core 270
- **280** – Core 280
- **290** – Core 290
- **300** – Core 300
- **310** – Core 310
- **320** – Core 320
- **330** – Core 330
- **340** – Core 340
- **350** – Core 350
- **360** – Core 360
- **370** – Core 370
- **380** – Core 380
- **390** – Core 390
- **400** – Core 400
- **410** – Core 410
- **420** – Core 420
- **430** – Core 430
- **440** – Core 440
- **450** – Core 450
- **460** – Core 460
- **470** – Core 470
- **480** – Core 480
- **490** – Core 490
- **500** – Core 500
- **510** – Core 510
- **520** – Core 520
- **530** – Core 530
- **540** – Core 540
- **550** – Core 550
- **560** – Core 560
- **570** – Core 570
- **580** – Core 580
- **590** – Core 590
- **600** – Core 600
- **610** – Core 610
- **620** – Core 620
- **630** – Core 630
- **640** – Core 640
- **650** – Core 650
- **660** – Core 660
- **670** – Core 670
- **680** – Core 680
- **690** – Core 690
- **700** – Core 700
- **710** – Core 710
- **720** – Core 720
- **730** – Core 730
- **740** – Core 740
- **750** – Core 750
- **760** – Core 760
- **770** – Core 770
- **780** – Core 780
- **790** – Core 790
- **800** – Core 800
- **810** – Core 810
- **820** – Core 820
- **830** – Core 830
- **840** – Core 840
- **850** – Core 850
- **860** – Core 860
- **870** – Core 870
- **880** – Core 880
- **890** – Core 890
- **900** – Core 900
- **910** – Core 910
- **920** – Core 920
- **930** – Core 930
- **940** – Core 940
- **950** – Core 950
- **960** – Core 960
- **970** – Core 970
- **980** – Core 980
- **990** – Core 990

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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.
Elective Options for Wildlife Biology

**One Advanced Vertebrate Electives: Group I**
- BIO 4350I Bird Conservation & Management (F)
- BIO 4418 Field Ornithology (Su)
- BIO 4420 Natural History of the Vertebrates (F,S)
- 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 (F)
- BIO 4351Q International Ecology & Conservation of Wildlife (Su as Study Abroad)
- BIO 4418 Field Ornithology (Su)
- BIO 4420 Natural History of the Vertebrates (F,S)
- BIO 4421 Ornithology (S)
- BIO 4422 Mammalogy (F,S)
- BIO 4434 Herpetology (S)
- 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 4351P International Ecology Conservation of Plants (Su as Study Abroad)
- BIO 4351F – Marine Ecology & Conservation
- BIO 4410 - Field Bio 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) (coreq BIO 4416)
- BIO 4307 Ecology of Rarity (S) *(Note: BIO 4307 can only be used to satisfy one degree requirement.)*
- BIO 4351P Ecology Conservation Abroad (Su as Study Abroad)
- BIO 4351Q Ecology Conservation Abroad Lab (Su as Study Abroad)

*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*