

West Texas A&M University
Advising Services
Degree Checklist
2023-2024

(For assistance completing this form, contact Advising Services at 806-651-5300)

NAME: _____ WT ID: _____ DATE: _____

Wildlife Biology
Department of Life, Earth and Environmental Sciences
NSB 348A 651-2570

CORE CURRICULUM COURSES: 42 HOURS		HRS
Communication (Core 10)		
ENGL 1301 Intro. to Academic Writing & Argumentation OR ENGL 1311 Writing About Ideas	3	
COMM 1315, 1318, or 1321	3	
Mathematics (Core 20)		
See University Core Requirements below	(3)	
Life and Physical Sciences (Core 30)		
See University Core Requirements below	(6)	
Language, Philosophy and Culture (Core 40)		
ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; MCOM 1307; PHIL 1301, 2374; SPAN 2311*, 2312**/**, 2313*, 2315*, or 2371 Choose 1	3	
Creative Arts (Core 50)		
ARTS 1301, 1303, 1304; DANC 2303; MUSI 1306, 1307 (for music majors), 1310; or THRE 1310 Choose 1	3	
American History (Core 60)		
HIST 1301, 1302, 2301, 2381, or 2382 Choose 2	6	
Government/Political Science (Core 70)		
POSC 2305 and 2306	6	
Social and Behavioral Sciences (Core 80)		
AGBE 2317*; COMM 2377; CRIJ 1301; ECON 2301, 2302; GEOG 1302; PSYC 2301; SOCI 1301 Choose 1	3	
Component Area Option (Core 90)		
See University Core Requirements below	(6)	
WILDLIFE BIOLOGY MAJOR REQUIREMENTS: 75-86 HOURS A grade of "C" or better must be earned in all courses required for major.		
UNIVERSITY CORE REQUIREMENTS: 15 HOURS		
CORE 20 MATH 1314*, 1316* or 2412*[3]	3	
CORE 30 BIOL 1411[3] Botany	3	
CORE 30 BIOL 1413[3] Zoology	3	
CORE 90 ENGL 1302* Research and Rhetoric OR ENGL 2311* Introduction to Professional and Technical Communication	3	
CORE 90 BIOL 1411L[1], BIOL 1413L[1] and and Fourth hour from MATH 2412[1], additional lab hour from Life & Physical Sciences, or IDS 1071	3	
WILDLIFE BIOLOGY: 48-55 HOURS		
BIOL 2374* Wildlife Conservation	3	
BIOL 3374* Wildlife Management	3	
BIOL 3424*, 3424L Wildlife Management Techniques	4	
BIOL 3532*, 3532L Plant Classification	5	
BIOL 4310, 4210L General Ecology	5	
BIOL 4433, 4433L Ornithology	4	
BIOL 4434, 4434L Mammalogy	4	

Bachelor of Science Degree
BS.BIOL.WILDLIFE (141)

Take three courses from (include all labs): BIOL 3301 Genetics BIOL 3418, 3418L Wildland Soils BIOL 4098* Internship in Wildlife/Fisheries (minimum of 3 semester credit hours) BIOL 4335 Animal Behavior BIOL 4351* Conservation Biology BIOL 4416, 4416L Introductory Biometry BIOL 4480, 4480L Aquaculture ENVR 4302 Environmental Law	9-12	
Take three courses from (include all labs): BIOL 2572*, 2572L Microbiology BIOL 3099* Field Biology (minimum of 3 semester credit hours) BIOL 3510, 3510L Entomology BIOL 4425, 4425L Limnology BIOL 4431, 4431L Ichthyology BIOL 4432, 4432L Herpetology BIOL 4460*, 4460L Arachnology	11-15	
OTHER REQUIRED COURSES: 12-16 HOURS		
CHEM 1411*, 1411L Chemistry I	4	
CHEM 1412*, 1412L Chemistry II	4	
GEOG 1403, 1403L Physical Geology	4	
MATH 1316* Plane Trigonometry OR MATH 2412* Pre-Calculus (if not taken to satisfy Core 20)	0-4	
BACHELOR OF SCIENCE REQUIREMENTS OPTION		
Covered by requirements for major.		
ELECTIVES: 7-18 HOURS BY ADVISEMENT		
ELECTIVES	7-18	
MINIMUM HOURS REQUIRED TO COMPLETE DEGREE		120

* Indicates prerequisites—see catalog for more information.

** Or an equivalent course (second year, second semester) in a foreign language.

*** Additional hours may be required for bachelor of arts option (120-124 total hours compared to 120 for a bachelor of science).

NOTE: This is NOT a degree plan. All undergraduate students must request an official degree plan from their academic dean's office by the time they have completed 30 credit hours.

WTAMU ADVISING SERVICES – 2023-2024 Curriculum Guide

Major: Wildlife Biology, B.S.

Major Code: 141

Year 1: Fall	
CORE 10 (Communication) – ENGL 1301 or 1311	3
CORE 20 (Mathematics) – MATH 1314, 1316 or 2412	3-4
CORE 30 (Life & Phys. Sci.) – BIOL 1413 Zoology	3
CORE 90 (Component Area Option) – BIOL 1413L	1
BIOL 2374 Wildlife Conservation	3
Total:	13-14

Year 1: Spring	
CORE 30 (Life & Phys. Sci.) – BIOL 1411 Botany	3
CORE 90 (Component Area Option) – BIOL 1411L	1
MATH 1316 Plane Trigonometry or 2412 Pre-Calculus Math - If not taken for Core 20	3-4
CORE – See checklist for options ¹	3
CORE – See checklist for options ¹	3
Total:	13-17

Year 2: Fall	
CHEM 1411/1411L Chemistry I	4
BIOL 3532/3532L Plant Classification	5
CORE – See checklist for options ¹	3
CORE – See checklist for options ¹	3
Total:	15

Year 2: Spring	
Biology Electives –(Group 1) – Choose 1 st of 3 from: BIOL 3301, 3418, 4098 (3 hrs. min.), 4335, 4351,, 4416, 4480 or ENVR 4302	3-4
CHEM 1412/1412L Chemistry II	4
BIOL 3374 Wildlife Management	3
CORE – See checklist for options ¹	3
Total:	13-14

Year 3: Fall	
GEOL 1403/1403L Physical Geology	4
BIOL 4434/4434L Mammalogy	4
Biology Electives (Group 1) – Choose 2 nd of 3 from: BIOL 3301, 3418, 4098 (3 hrs. min.), 4335, 4351, 4416, 4480 or ENVR 4302	3-4
CORE – See checklist for options ¹	3
Total:	14-15

Year 3: Spring	
BIOL 4433/4433L Ornithology	4
BIOL 3424/3424L Wildlife Management Techniques	4
Biology Electives (Group 1) – Choose 3 rd of 3 from: BIOL 3301, 3418, 4098 (3 hrs. min.), 4335, 4351, 4416, 4480 or ENVR 4302	3-4
CORE – See checklist for options ¹	3
Total:	14-15

Year 4: Fall	
Biology Electives (Group 2) – Choose 1 st of 3 from: BIOL 2572, 3099 (3 hrs. min.), 3510, 4425, 4431, 4432, or 4460	3-4
Biology Electives (Group 2) – Choose 2 nd of 3 from: BIOL 2572, 3099 (3 hrs. min.), 3510, 4425, 4431, 4432, or 4460	3-4
CORE – See checklist for options ¹	3
CORE – See checklist for options ¹	3
Total:	12-14

Year 4: Spring	
Biology Electives (Group 2) – Choose 3 rd of 3 from: BIOL 2572, 3099 (3 hrs. min.), 3510, 4425, 4431, 4432, or 4460	4-5
BIOL 4310 General Ecology	3
BIOL 4210L General Ecology Lab	2
Electives – as needed to total 120 hours overall	TBD
Total:	8+

¹ **CORE:** Wildlife Biology majors are required to take specific courses for Core 20, Core 30, and Core 90. For all other categories, they may select from any available options (see degree checklist). Apart from the major-specific core requirements, there is no set order in which core courses must be taken.

Identified Marketable Skills	Top Three Local Employers or Industries/Professional Programs/Possible Career Opportunities
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Additional notes:

- The core curriculum must total exactly 42 hours; excess hours must be moved to the major as an elective or a major requirement and stay within the 120-hour requirement or approved total submitted to the Coordinating Board for degree requirements. Some majors specify particular courses to meet core curriculum requirements when options are available.
- At least 36 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU. A maximum of six semester hours in religion (RELI) and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.