

West Texas A&M University
Advising Services
Degree Checklist
2021-2022

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

NAME: _____ **WT ID:** _____ **DATE:** _____

Life Science (Grades 7-12) Certification
Department of Life, Earth and Environmental
Sciences – NSB 348A 651-2570

CORE CURRICULUM COURSES: 42 HOURS ♦		HRS	FPC
Communication (Core 10)			
ENGL 1301 Introduction to Academic Writing and Argumentation		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, 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; PSYC 2301; SOCI 1301 Choose 1		3	
Component Area Option (Core 90)			
See University Core Requirements below		(6)	
LIFE SCIENCE—7-12 CERTIFICATION REQUIREMENTS: 83-89 HOURS A Grade of "C" or better and a 2.75 GPA is required.^			
UNIVERSITY CORE REQUIREMENTS: 15 HOURS ♦			
CORE 20 MATH 1314* or 1324*	FPC	3	
CORE 30 CHEM 1411*[3] Chemistry I	FPC	3	
CORE 30 CHEM 1412*[3] Chemistry II	FPC	3	
CORE 90 ENGL 1302* Research and Rhetoric OR ENGL 2311* Introduction to Professional and Technical Communication	FPC	3	
CORE 90 CHEM 1411L[1], 1412L[1] and Fourth hour from MATH 2412 (if taken for Core 20), or additional lab hour from Life and Physical Sciences (e.g., CHEM 1411L), or IDS 1071		3	
BIOLOGY REQUIREMENTS: 34-39 HOURS (A grade of "C" or better and 2.75 GPA is required.^)			
BIOL 1411, 1411L Botany	FPC	4	
BIOL 1413, 1413L Zoology	FPC	4	
BIOL 2420*, 2420L Applied Microbiology OR FPC BIOL 2572*, 2572L Microbiology		4-5	
BIOL 3301 Genetics		3	
BIOL 3440, 3440L Anatomy and Physiology of Humans		4	
BIOL 4510, 4510L General Ecology OR BIOL 4513, 4513L Plant Ecology		5	

Bachelor of Science Degree
Major: Biology

BS.BIOL.EDS (432) – TExES Exams: 160, 238

Choose one course in each of the following rows. At least two must have labs.			
BIOL 3420, 3420L Natural History of Vertebrates BIOL 4431, 4431L Ichthyology BIOL 4432, 4432L Herpetology BIOL 4433, 4433L Ornithology BIOL 4434, 4434L Mammalogy Choose 1		4	
BIOL 3331 Parasitology BIOL 3311* Arthropods and Public Health BIOL 3510, 3510L Entomology BIOL 4460, 4460L Arachnology Choose 1		3-5	
BIOL 3385 Marine Biology BIOL 3304* Evolution BIOL/GEOL 3406*, 3406L Paleontology BIOL 3532*, 3532L Plant Classification BIOL 4335 Animal Behavior BIOL 4351* Conservation Biology BIOL 4425, 4425L Limnology Choose 1		3-5	
OTHER DEGREE REQUIREMENTS: 7-8 HOURS			
MATH 1316* Plane Trigonometry MATH 1342 Elementary Statistical Methods MATH 2412* Pre-Calculus OR MATH 3360* Statistical Methods	FPC	3-4	
FOUR HOURS FROM SUPPORTING FIELDS (CIDM, Science or MATH)		4	
EDUCATION REQUIREMENTS: 27 HOURS (A grade of "C" or better and 2.75 GPA is required.^)			
EPSY 4341* Educator Readiness and Performance		3	
EDPD 4340* Classroom Management		3	
EDRD 4386 Secondary Reading in Content Area		3	
EDPD 4330 Educational Methodology and Diverse Learners		3	
EDPD 4348 – Data-Informed Instruction and Assessment		3	
EDPD 4398 Clinical Teaching –ALL		3	
EDSE 4341* Clinical Teaching—Secondary		3	
EPSY 3341* Educational Psychology		3	
EPSY 3350 Children with Special Needs	FPC	3	
ELECTIVES: 4-10 HOURS ♦			
ELECTIVES As needed to provide a total of 120 hours.		4-10	
MINIMUM HOURS REQUIRED TO COMPLETE DEGREE		120	

♦ NOTE: 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.

* Indicates prerequisites—see catalog for more information.

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

^Transfer & WT GPA combined must be 2.75.

NOTE: 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.

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 2021-2022 Curriculum Guide

Major: Life Science (Grades 7-12) Certification, B.S.

Major Code: 432

First Year Boldface type indicates major requirements	
Fall	Spring
CORE 10(1) - ENGL 1301 3	CORE 90 - ENGL 1302 or 2311 3 <small>(required for major)</small>
CORE 20 - Take 1 course from: 3	BIOL 1413/1413L 4
MATH 1314 or MATH 1324	<small>(if not taken for Core 20)</small>
BIOL 1411/1411L 4	CHEM 1411/1411L 4
CORE - See checklist for options 3	CORE - See checklist for options 3
<input style="width: 90%;" type="text"/>	CORE - See checklist for options 3
<input style="width: 90%;" type="text"/>	<input style="width: 90%;" type="text"/>
Semester Hours 12-13	Semester Hours 17

Second Year	
Fall	Spring
BIOL 2420 or 2572 4-5 <small>(see Note 2 below)</small>	BIOL Requirement 3-5
CHEM 1412/1412L 4	BIOL Requirement 3-5
CORE - See checklist for options 3	MATH 1316, 1342, 2412, 3360 3-4
CORE - See checklist for options 3	CORE - See checklist for options 3
<input style="width: 90%;" type="text"/>	<input style="width: 90%;" type="text"/>
<input style="width: 90%;" type="text"/>	<input style="width: 90%;" type="text"/>
Semester Hours 15-16	Semester Hours 12-17

Third Year	
Fall	Spring
BIOL Requirement 3-5	BIOL Requirement 3-5
BIOL Requirement 3-5	EDPD 4330 3
EPSY 3350 3	EDRD 4386 3
CORE - See checklist for options 3	EPSY 3341 3
<input style="width: 90%;" type="text"/>	CORE - See checklist for options 3
<input style="width: 90%;" type="text"/>	<input style="width: 90%;" type="text"/>
Semester Hours 12-16	Semester Hours 15-17

Fourth Year	
Fall	Spring
BIOL Requirement 3-5	EDPD 4398 3
EPSY 4341 3	EDSE 4341 3
EDPD 4340 3	<input style="width: 90%;" type="text"/>
EDPD 4348 3	<input style="width: 90%;" type="text"/>
<input style="width: 90%;" type="text"/>	<input style="width: 90%;" type="text"/>
<input style="width: 90%;" type="text"/>	<input style="width: 90%;" type="text"/>
Semester Hours 12-15	Semester Hours 6

Degree Total Hours 120

DISCLAIMER: This curriculum guide should be used in conjunction with the corresponding degree checklist for general planning purposes only. The degree checklist (later a student's official degree plan) should be referred to as the comprehensive list of all courses required for the degree. An official degree plan is required after completing 30 hours. Students should always seek the advice of their academic adviser before scheduling classes.

Identified Marketable Skills:

Top 3 Local Employers or Industries/Professional Programs/Possible Career Opportunities

Prerequisites/Important Sequences/Other degree Notes: