

West Texas A&M University
Advising Services
Degree Checklist
2018-2019

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

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

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

CORE CURRICULUM COURSES: 42 HOURS ♦		HRS
Communication (Code 10)		
ENGL 1301 Introduction to Academic Writing and Argumentation	3	
COMM 1315, 1318, or 1321	3	
Mathematics (Code 20)		
See University Core Requirements below	(3)	
Life and Physical Sciences (Code 30)		
See University Core Requirements below	(6)	
Language, Philosophy and Culture (Code 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 (Code 50)		
ARTS 1303, ARTS 1304; DANC 2303; MUSI 1306, MUSI 1307, MUSI 1310; or THRE 1310 Choose 1	3	
American History (Code 60)		
HIST 1301, 1302, 2301, 2381 Choose 2	6	
Government/Political Science (Code 70)		
POSC 2305 and 2306	6	
Social and Behavioral Sciences (Code 80)		
AGBE 2317*; COMM 2377; CRIJ 1301; ECON 2301, 2302; PSYC 2301; SOCI 1301 Choose 1	3	
Component Area Option (Code 90)		
See University Core Requirements below	(6)	
SCIENCE (GRADES 7-12) CERTIFICATION REQUIREMENTS: 94-102 HOURS A grade of "C" or better and a 2.75 GPA is required.▲		
UNIVERSITY CORE REQUIREMENTS: 15 HOURS		
CORE 20		
MATH 1314* College Algebra	3	
CORE 30		
PHYS 1401*[3] General Physics I AND PHYS 1402*[3] General Physics II	6	
CORE 90		
ENGL 1302* Research and Rhetoric OR ENGL 2311* Introduction to Professional and Technical Communication	3	
CORE 90		
PHYS 1401L[1], PHYS 1402L[1]; IDS 1071[1]	3	
SCIENCE REQUIREMENTS: 53-60 HOURS (A grade of "C" or better and a 2.75 GPA is required.▲)		
BIOL 1411, 1411L Botany AND BIOL 1413, 1413L Zoology	8	
BIOL 2420*, 2420L Applied Microbiology OR 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	
Choose one course from two separate areas:		
Area One:		
BIOL 3420, 3420L Natural History of Vertebrates		
BIOL 4431, 4431L Ichthyology		
BIOL 4432, 4432L Herpetology		
		cont.⇒

Bachelor of Science Degree
Major: Biology
BS.SCIENCE.EDS (446) – TExES Exams: 160, 236

BIOL 4433, 4433L Ornithology BIOL 4434, 4434L Mammalogy Area Two: BIOL 3331 Parasitology BIOL 3311* Arthropods and Public Health BIOL 3510, 3510L Entomology Area Three: BIOL 3099* Field Biology 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	6-10	
CHEM 1411*, 1411L Chemistry I	4	
CHEM 1412*, 1412L Chemistry II	4	
CHEM 2533*, 2533L Elementary Organic Chemistry	5	
GEOL 1401, 1401L Earth Science I	4	
GEOL 1402, 1402L Earth Science II OR GEOG/GESC 3313 Meteorology	3-4	
PHYS 1411, 1411L Planetary Astronomy OR GESC 3310*, 3310L Minerals and Rocks	3-4	
OTHER DEGREE REQUIREMENTS: 3-4 HOURS		
MATH 1316* Plane Trigonometry OR MATH 2412* Pre-Calculus	3-4	
EDUCATION REQUIREMENTS: 27 HOURS (A grade of "C" or better and a 2.75 GPA is required.▲)		
EDPD 3340 Educational Foundations	3	
EDPD 4340* Classroom Management	3	
EDRD 4386 Secondary Reading in Content Area	3	
EDSE 4320* Teaching in Secondary Schools	3	
EDSE 4330* Teaching in Secondary Schools	3	
EDSE 4340* Student Teaching—Secondary	3	
EDSE 4341* Student Teaching—Secondary	3	
EPSY 3341* Educational Psychology	3	
EPSY 3350 Children with Special Needs	3	
MINIMUM HOURS REQUIRED TO COMPLETE DEGREE		121

♦ 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: This is NOT a degree plan. After completing 30 hours, students are encouraged to request an official degree plan by using the online [Degree Plan Request](#) form. Students who have questions about their degree plan should contact the office of the dean of the Paul Engler College of Agriculture and Natural Sciences, which is located in the Agriculture and Natural Sciences Building, Room 106 (phone 806-651-3570). Students who have completed 45 hours will not be allowed to progress without requesting a degree plan.