

**West Texas A&M University Advising Services
Degree Checklist 2019-2020**

AC This symbol indicates courses that apply towards degree programs at WT. All core classes are offered at AC. Please refer to the list regarding major specific courses. Course prefixes and numbers may vary at each institution. Please contact an adviser to ensure the course will apply towards chosen core area.

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

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

CORE CURRICULUM COURSES: 42 HOURS ♦		HRS	AC
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 1303, ARTS 1304; DANC 2303; MUSI 1306, MUSI 1307, MUSI 1310; or THRE 1310 Choose 1		3	
American History (Core 60)			
HIST 1301, 1302, 2301, 2381 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)	
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	AC	3	
CORE 30			
PHYS 1401*[3] General Physics I AND PHYS 1402*[3] General Physics II	AC	6	
CORE 90			
ENGL 1302* Research and Rhetoric OR ENGL 2311* Introduction to Professional and Technical Communication	AC	3	
PHYS 1401L[1], PHYS 1402L[1] and Fourth hour from Life and Physical Sciences (e.g., CHEM 1411L), or IDS 1071		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	AC	8	
BIOL 2420*, 2420L Applied Microbiology OR BIOL 2572*, 2572L Microbiology	AC	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 BIOL 4460, 4460L Arachnology			6-10
Area Three:			
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			
CHEM 1411*, 1411L Chemistry I	AC	4	
CHEM 1412*, 1412L Chemistry II	AC	4	
CHEM 2533*, 2533L Elementary Organic Chemistry		5	
GEOL 1401, 1401L Earth Science I	AC	4	
GEOL 1402, 1402L Earth Science II OR GEOG/GESC 3313 Meteorology	AC	3-4	
PHYS 1411, 1411L Planetary Astronomy OR GESC 3310*, 3310L Minerals and Rocks	AC	3-4	
OTHER DEGREE REQUIREMENTS: 3-4 HOURS			
Take one of the following:			
MATH 1316* Plane Trigonometry MATH 1342 Elementary Statistical Methods MATH 2412* Pre-Calculus Math OR MATH 3360* Statistical Methods	AC	3-4	
EDUCATION REQUIREMENTS: 27 HOURS (A grade of "C" or better and a 2.75 GPA is required.^)			
EDPD 3340 Educational Foundations	AC	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	AC	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 required 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 Happy State Bank Academic & Research Building, Suite 262 (phone 806-651-3570). Students who have completed 30 hours will not be allowed to progress without requesting a degree plan.