

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

(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 – NSB 348A 651-2570**

<b>CORE CURRICULUM COURSES: 42 HOURS ♦</b>		<b>HRS</b>
<b>Communication (Core 10)</b>		
ENGL 1301 Introduction to Academic Writing and Argumentation	3	
COMM 1315, 1318, or 1321	3	
<b>Mathematics (Core 20)</b>		
See University Core Requirements below	(3)	
<b>Life and Physical Sciences (Core 30)</b>		
See University Core Requirements below	(6)	
<b>Language, Philosophy and Culture (Core 40)</b>		
ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; MCOM 1307; PHIL 1301, 2374; SPAN 2311*, 2312**/**, 2313*, 2315*, or 2371 <b>Choose 1</b>	3	
<b>Creative Arts (Core 50)</b>		
ARTS 1303, ARTS 1304; DANC 2303; MUSI 1306, MUSI 1307, MUSI 1310; or THRE 1310 <b>Choose 1</b>	3	
<b>American History (Core 60)</b>		
HIST 1301, 1302, 2301, 2381 <b>Choose 2</b>	6	
<b>Government/Political Science (Core 70)</b>		
POSC 2305 and 2306	6	
<b>Social and Behavioral Sciences (Core 80)</b>		
AGBE 2317*; COMM 2377; CRIJ 1301; ECON 2301, 2302; PSYC 2301; SOCI 1301 <b>Choose 1</b>	3	
<b>Component Area Option (Core 90)</b>		
See University Core Requirements below	(6)	
<b>SCIENCE (GRADES 7-12) CERTIFICATION REQUIREMENTS: 94-102 HOURS</b> A grade of "C" or better and a 2.75 GPA is required.▲		
<b>UNIVERSITY CORE REQUIREMENTS: 15 HOURS</b>		
<b>CORE 20</b> MATH 1314* College Algebra	3	
<b>CORE 30</b> PHYS 1401*[3] General Physics I <b>AND</b> PHYS 1402*[3] General Physics II	6	
<b>CORE 90</b> ENGL 1302* Research and Rhetoric <b>OR</b> ENGL 2311* Introduction to Professional and Technical Communication	3	
<b>CORE 90</b> PHYS 1401L[1], PHYS 1402L[1] <b>and</b> Fourth hour from Life and Physical Sciences (e.g., CHEM 1411L), or IDS 1071	3	
<b>SCIENCE REQUIREMENTS: 53-60 HOURS</b> (A grade of "C" or better and a 2.75 GPA is required.▲)		
BIOL 1411, 1411L Botany <b>AND</b> BIOL 1413, 1413L Zoology	8	
BIOL 2420*, 2420L Applied Microbiology <b>OR</b> BIOL 2572*, 2572L Microbiology	4-5	
BIOL 3301 Genetics	3	
BIOL 3440, 3440L Anatomy and Physiology of Humans	4	
BIOL 4510, 4510L General Ecology <b>OR</b> BIOL 4513, 4513L Plant Ecology	5	
<b>Choose one course from two separate areas:</b>		
<b>Area One:</b> 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 <b>Area Two:</b> BIOL 3331 Parasitology BIOL 3311* Arthropods and Public Health BIOL 3510, 3510L Entomology BIOL 4460, 4460L Arachnology <b>Area Three:</b> 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 <b>OR</b> GEOG/GESC 3313 Meteorology	3-4	
PHYS 1411, 1411L Planetary Astronomy <b>OR</b> GESC 3310*, 3310L Minerals and Rocks	3-4	
<b>OTHER DEGREE REQUIREMENTS: 3-4 HOURS</b>		
<b>Take one of the following:</b> MATH 1316* Plane Trigonometry MATH 1342 Elementary Statistical Methods MATH 2412* Pre-Calculus Math <b>OR</b> MATH 3360* Statistical Methods	3-4	
<b>EDUCATION REQUIREMENTS: 27 HOURS</b> (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	
<b>MINIMUM HOURS REQUIRED TO COMPLETE DEGREE</b>	<b>121</b>	

♦ 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 Happy State Bank Academic & Research Building, Suite 262 (phone 806-651-3570). Students who have completed 45 hours will not be allowed to progress without requesting a degree plan.**