

**West Texas A&M University
Advising Services
Degree Checklist
2012-2013**

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

NAME: _____ WT ID: _____ DATE: _____

**Science—8-12 Certification
Department of Life, Earth and Environmental
Sciences – ANS 348A 651-2570**

CORE CURRICULUM COURSES: 42 HOURS ♦ Specific course(s) required for this major are listed in the next section.		HRS
Communication (10)		
ENGL 1301 (ENG 101); 1302* (ENG 102) or 2311* (ENG 270) (Grade of "C" or better required)	6	
Communication (11)		
COMM 1315 (SCOM 101, 1315), 1318 (SCOM 103, 1318), or 1321 (SCOM 201, 1321) (Grade of "C" or better required)	3	
Mathematics (20)		
See University Core Requirements below	(3)	
Natural Sciences (30)		
See University Core Requirements below	(8)	
Humanities (40-41)		
ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311 (110), 2323, 2372 (210); MCOM 1307 (MC 107); PHIL 1301 (101), 2374 (204); SPAN 2312**/ (207) or SPAN 2315**/ (207) Choose 1	3	
Visual and Performing Arts (50)		
HUMA 1315 (FA 101); ARTS 1303 (ART 151), ARTS 1304 (ART 152); DANC 2303; MUSI 1306 (MUS 101) or 1208 and 1209; or THRE 1310 (105) Choose 1	3	
Social and Behavioral Sciences (60)		
HIST 1301 (201) or 1303; 1302 or 1304; 2301; 2381 Choose 2	6	
Social and Behavioral Sciences (70)		
POSC 2305 (101) or 2370; 2306 (102)	6	
Social and Behavioral Sciences (80)		
AGBE 2317 (213), ANTH 2351 (201); CRIJ 1301 (CJ 105); ECON 2301 (ECO 201), 2302 (ECO 202), 2371; GEOG 1302 (202); PSYC 2301 (PSY 201); COMM 2377 (SCOM 255, 2377); SOCI 1301 (201); or SOCW 2361 (SOWK 201) Choose 1	3	
Institutionally Designated Option (90)		
ANSC 2370; CIDM 1105, 1301 (CIS, IDM 1301), 1315 (CIS, IDM 1315), 2345; CS 1301; IDS 1071; PHIL 2303 (203) Choose 1	1-3	
SCIENCE—8-12 CERTIFICATION REQUIREMENTS: 94-102 HOURS A grade of "C" or better must be earned in all courses required for major.		
UNIVERSITY CORE REQUIREMENTS: 11 HOURS		
CORE 20		
MATH 1314* (110) or 1324* (115)	3	
CORE 30		
PHYS 1401*, 1401L (101) General Physics I AND PHYS 1402*, 1402L (102) General Physics II	8	
SCIENCE REQUIREMENTS: 53-60 HOURS A 2.5 combined GPA is required for Science Requirements and Other Requirement below.		
BIOL 1411, 1411L (122) Botany AND BIOL 1413, 1413L (121) Zoology	8	
BIOL 2420*, 2420L (210) Applied Microbiology OR BIOL 2572*, 2572L (212) Microbiology	4-5	
BIOL 3301 (301) Genetics	3	
BIOL 3440 (340) Anatomy and Physiology of Humans	4	
BIOL 4510 (410) General Ecology OR BIOL 4513 (412) Plant Ecology	5	
Choose one course from two separate areas:		
Area One:		
BIOL 3420 (320), 3420L Natural History of Vertebrates BIOL 4431 (431), 4431L Ichthyology		cont. →

**Bachelor of Science Degree
BS.SCIENCE.EDS (446)**

BIOL 4432 (432), 4432L Herpetology BIOL 4433 (433), 4433L Ornithology BIOL 4434 (434), 4434L Mammalogy		
Area Two:		
BIOL 3331 (311) Parasitology BIOL 3411* (311), 3411L Arthropods and Public Health BIOL 3510 (310), 3510L Entomology BIOL 3521* (321), 3521L Invertebrate Zoology		6-10
Area Three:		
BIOL 3099* (325) Field Biology BIOL 3385 (385) Marine Biology BIOL 3404* (304), 3404L Evolution BIOL/GEOL 3406* (306), 3406L Paleontology BIOL 3532* (332), 3532L Plant Classification BIOL 4335 (435) Animal Behavior BIOL 4351* (450) Conservation Biology BIOL 4425 (425) Limnology		
CHEM 1411*, 1411L (101, 101L) Chemistry I	4	
CHEM 1412*, 1412L (102, 102L) Chemistry II	4	
CHEM 2533*, 2533L Elementary Organic Chemistry	5	
GEOL 1401 (GESC 111) Earth Science I	4	
GEOL 1402 (GESC 112) Earth Science II OR GEOG/GESC 3313 (GEOG 313) Meteorology	3-4	
PHYS 1411, 1411L Planetary Astronomy OR GESC 3310*, 3310L (310) Minerals and Rocks	3-4	
OTHER DEGREE REQUIREMENTS: 3-4 HOURS		
MATH 1316* (111) Plane Trigonometry OR MATH 2412* (1348) Pre-Calculus	3-4	
EDUCATION REQUIREMENTS: 27 HOURS Grade of "C" or better and 2.5 combined GPA required.		
EDPD 3340* (340) Educational Foundations (Grade of "B" or better required in either EDPD 3340 or EPSY 3341)	3	
EDPD 4340* (440) Classroom Management	3	
EDRD 4386* (486) Secondary Reading in Content Area	3	
EDSE 4320* (420) Teaching in Secondary School	3	
EDSE 4340* (440) Student Teaching—Secondary	3	
EDSE 4341* (441) Student Teaching—Secondary	3	
EDT 3343 Educational Technology	3	
EPSY 3341* (341) Educational Psychology (Grade of "B" or better required in either EDPD 3340 or EPSY 3341)	3	
EPSY 3350 (350) Children with Special Needs	3	
TOTAL HOURS REQUIRED TO COMPLETE DEGREE	125-135	

♦ A minimum of 42 hours from the core curriculum is required. 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 French or German.

Note: This is NOT a degree plan. Before completion of 60 hours, students are allowed and encouraged to request an official degree plan in the office of the dean of the College of Agriculture, Science and Engineering, located in the Agriculture and Natural Sciences Building, Room 106 (or call 651-2585). After completing 60 hours, students will not be allowed to progress without requesting a degree plan.