

**West Texas A&M University  
Advising Services  
Degree Checklist  
2013-2014**

(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 – ANS 348A 651-2570**

| CORE CURRICULUM COURSES: 42 HOURS ♦<br>Specific course(s) required for this major are listed in the next section.  |     | HRS |
|--|-----|-----|
| <b>Communication (10)</b>  |     |     |
| ENGL 1301 (ENG 101); 1302* (ENG 102) or 2311* (ENG 270)  | 6   |     |
| <b>Communication (11)</b>  |     |     |
| COMM 1315 (SCOM 101, 1315), 1318 (SCOM 103, 1318), or 1321 (SCOM 201, 1321)  | 3   |     |
| <b>Mathematics (20)</b>  |     |     |
| See University Core Requirements below   | (3) |     |
| <b>Natural Sciences (30)</b>   |     |     |
| See University Core Requirements below   | (8) |     |
| <b>Humanities (40-41)</b>  |     |     |
| 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**/**<br>Choose 1                                     | 3   |     |
| <b>Visual and Performing Arts (50)</b>   |     |     |
| 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)<br>Choose 1  | 3   |     |
| <b>Social and Behavioral Sciences (60)</b>   |     |     |
| HIST 1301 (201) or 1303; 1302 or 1304; 2301; 2381<br>Choose 2  | 6   |     |
| <b>Social and Behavioral Sciences (70)</b>   |     |     |
| POSC 2305 (101) or 2370; 2306 (102)  | 6   |     |
| <b>Social and Behavioral Sciences (80)</b>   |     |     |
| AGBE 2317* (213); ANTH 2351 (201); CRIJ 1301 (CJ 105); ECON 2301 (ECO 201), 2302 (ECO 202); GEOG 1302 (202); PSYC 2301 (PSY 201); COMM 2377 (SCOM 255, 2377); SOCI 1301 (201); or SOCW 2361 (SOWK 201)<br>Choose 1 | 3   |     |
| <b>Institutionally Designated Option (90)</b>  |     |     |
| ANSC 2370; BUSI 1304; CIDM 1105, 1301 (CIS, IDM 1301), 1315 (CIS, IDM 1315), 2345; CS 1301; FIN 1307; IDS 1071; PHIL 2303 (203)<br>Choose 1  | 1-3 |     |
| <b>LIFE SCIENCE—7-12 CERTIFICATION REQUIREMENTS: 79-85 HOURS</b><br>A Grade of "C" or better and a 2.75 GPA is required.^  |     |     |
| <b>UNIVERSITY CORE REQUIREMENTS: 11 HOURS</b>  |     |     |
| CORE 20<br>MATH 1314* (110) or 1324* (115)   | 3   |     |
| CORE 30<br>CHEM 1411*, 1411L (101, 101L) Chemistry I   | 4   |     |
| CORE 30<br>CHEM 1412*, 1412L (102, 102L) Chemistry II  | 4   |     |
| <b>BIOLOGY REQUIREMENTS: 34-39 HOURS</b><br>(A grade of "C" or better and 2.75 GPA is required.^)  |     |     |
| BIOL 1411, 1411L (122) Botany  | 4   |     |
| BIOL 1413, 1413L (121) Zoology   | 4   |     |
| BIOL 2420*, 2420L (210) Applied Microbiology OR<br>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<br>BIOL 4513 (412) 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 (320), 3420L Natural History of Vertebrates<br>BIOL 4431 (431), 4431L Ichthyology<br>BIOL 4432 (432), 4432L Herpetology<br>BIOL 4433 (433), 4433L Ornithology<br>BIOL 4434 (434), 4434L Mammalogy<br>Choose 1   | 4          |  |
| BIOL 3331 (311) Parasitology<br>BIOL 3311* (311, 3411) Arthropods and Public Health<br>BIOL 3510 (310), 3510L Entomology<br>BIOL 3521* (321), 3521L Invertebrate Zoology<br>Choose 1  | 3-5        |  |
| BIOL 3099* (325) Field Biology<br>BIOL 3385 (385) Marine Biology<br>BIOL 3404* (304), 3404L Evolution<br>BIOL/GEOL 3406* (306), 3406L Paleontology<br>BIOL 3532* (332), 3532L Plant Classification<br>BIOL 4335 (435) Animal Behavior<br>BIOL 4351* (450) Conservation Biology<br>BIOL 4425 (425) Limnology<br>Choose 1 | 3-5        |  |
| <b>OTHER DEGREE REQUIREMENTS: 7-8 HOURS</b>   |            |  |
| MATH 1316* (111) Plane Trigonometry OR<br>MATH 2412* (1348) Pre-Calculus  | 3-4        |  |
| FOUR HOURS FROM SUPPORTING FIELDS (CIDM, Science or MATH)   | 4          |  |
| <b>EDUCATION REQUIREMENTS: 27 HOURS</b><br>(A grade of "C" or better and 2.75 GPA is required.^)  |            |  |
| EDPD 3340* (340) Educational Foundations  | 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 4330* (NEW) Teaching in Secondary School II  | 3          |  |
| EDSE 4340* (440) Student Teaching—Secondary   | 3          |  |
| EDSE 4341* (441) Student Teaching—Secondary   | 3          |  |
| EPSY 3341* (341) Educational Psychology   | 3          |  |
| EPSY 3350 (350) Children with Special Needs   | 3          |  |
| <b>ELECTIVES: 2-10 HOURS</b>  |            |  |
| ELECTIVES<br>As needed to provide a total of 120 hours.   | 2-10       |  |
| <b>MINIMUM HOURS REQUIRED TO COMPLETE DEGREE</b>  | <b>120</b> |  |

♦ 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.

^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 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). Students who have completed 45 hours will not be allowed to progress without requesting a degree plan.**