

**West Texas A&M University  
Advising Services  
Degree Checklist  
2011-2012**

NAME: \_\_\_\_\_ WT ID: \_\_\_\_\_ DATE: \_\_\_\_\_

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

<b>CORE CURRICULUM COURSES: 31-33 HOURS ♦</b>		
Number of hours does not include specific core requirements listed below.		
<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*/** <b>Choose 1</b>	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) <b>Choose 1</b>	3	
<b>Social and Behavioral Sciences (60)</b>		
HIST 1301 (201) or 1303; 1302 or 1304; 2301; 2381 <b>Choose 2</b>	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), 2371; GEOG 1302 (202); PSYC 2301 (PSY 201); COMM 2377 (SCOM 255, 2377); SOCI 1301 (201); or SOCW 2361 (SOWK 201) <b>Choose 1</b>	3	
<b>Institutionally Designated Option (90)</b>		
ANSC 2370; CIDM 1105, 1301 (CIS, IDM 1301), 1315 (CIS, IDM 1315), 2345; CS 1301; IDS 1071; PHIL 2303 (203) <b>Choose 1</b>	1-3	
<b>ENVIRONMENTAL SCIENCE MAJOR REQUIREMENTS: 79-85 HOURS</b>		
A grade of "C" or better must be earned in all courses required for major.		
<b>UNIVERSITY CORE REQUIREMENTS: 11-12 HOURS</b>		
<b>CORE 20</b>		
MATH 1316* (111) Plane Trigonometry OR MATH 2412* (1348) Pre-Calculus	3-4	
<b>CORE 30</b>		
BIOL 1406, 1406L (101) AND 1407, 1407L (102) <b>OR</b> BIOL 1411, 1411L (122) AND 1413, 1413L (121)	8	
<b>ENVIRONMENTAL SCIENCE CORE: 68-73 HOURS</b>		
BIOL 2572*, 2572L (212) Microbiology	5	
BIOL 4416, 4416L (416) Introductory Biometry	4	
BIOL 4510, 4510L (410) General Ecology	5	
<b>Choose two courses from:</b>		
GESC 3313 (313) Meteorology ENVR 4306 (ESC 406) Hazardous Waste Site Assessment GESC 3303* (303) Oceanography ENVR 4404***, 4404L (ESC 404) Environmental Sampling and Interpretation ENVR 4430, 4430L (ESC 430) Introduction to Dendrochronology	6-8	

**Bachelor of Science Degree  
BS.ENVIR.SCIENCE (105)**

GEOL 1403, 1403L (101, 101L) Physical Geology	4	
GEOL 1404, 1404L (102, 102L) Historical Geology	4	
GEOL 3325* (325) Environmental Geology	3	
GEOL 3350*, 3350L (350) Hydrogeology	3	
CHEM 1411*, 1411L Chemistry I	4	
CHEM 1412*, 1412L (102) Chemistry II	4	
CHEM 3310* (310) Environmental Chemistry OR ENVR 4404, 4404L (ESC 404) Environmental Sampling and Interpretation	3-4	
CHEM 3511* (311) Analytical Chemistry OR CHEM 2533* (233) Elementary Organic Chemistry	5	
ECON 4355* (ECO 455) Environmental and Natural Resource Economics OR AGBE 4355* (455) Environmental and Natural Resource Economics	3	
ENVR 4098* (ESC 403) Internship in Environmental Science	1-3	
ENVR 4301* (ESC 401) Preparation of Environmental Impact Statements	3	
ENVR 4302* (ESC 402) Environmental Law	3	
MATH 2413* (240) Calculus I	4	
PSES 2411*, 2411L (311) Soils and the Environment OR BIOL 3418 (318) Wildland Soils	4	
<b>BACHELOR OF SCIENCE REQUIREMENTS Covered by requirements for major. OPTION</b>		
<b>ELECTIVES: 2-10 HOURS BY ADVISEMENT</b>		
ELECTIVES (2-10 HOURS AS NEEDED)	2-10	
<b>TOTAL HOURS REQUIRED TO COMPLETE DEGREE</b>	<b>120****</b>	

♦ Core curriculum courses should be taken during the first two years of enrollment.  
\* Indicates prerequisites—see catalog for more information.  
\*\* Or an equivalent course (second year, second semester) in French or German.  
\*\*\* Cannot be used if taken in place of CHEM 3310.  
\*\*\*\* It is possible that the total number of hours required could exceed 120 if additional advanced hours are needed to attain the required 39 advanced hours (e.g. if CHEM 2533 and PSES 2411 are selected for the major requirements).

NOTE: At least 39 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU, and 30 of the final 36 hours counted toward the degree must be earned at WTAMU. A maximum of six semester hours in religion and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.

**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.**