

**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: _____

**Environmental Science/Geology Emphasis – Option II
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.		
Communication (10)		
ENGL 1301 (ENG 101); 1302* (ENG 102) or 2311* (ENG 270)	6	
Communication (11)		
COMM 1315 (SCOM 101, 1315), 1318 (SCOM 103, 1318), or 1321 (SCOM 201, 1321)	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*** 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); 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; BUSI 1304; CIDM 1105, 1301 (CIS, IDM 1301), 1315 (CIS, IDM 1315), 2345; CS 1301; FIN 1307; IDS 1071; PHIL 2303 (203) Choose 1	1-3	
ENVIRONMENTAL SCIENCE MAJOR REQUIREMENTS: 78-85 HOURS A grade of "C" or better must be earned in all courses required for major.		
UNIVERSITY CORE REQUIREMENTS: 11-12 HOURS		
CORE 20 MATH 1316* (111) Plane Trigonometry OR MATH 2412* (1348) Pre-Calculus	3-4	
CORE 30 GEOL 1403, 1403L (101, 101L) Physical Geology	4	
CORE 30 GEOL 1404, 1404L (102, 102L) Historical Geology	4	
ENVIRONMENTAL SCIENCE/GEOLOGY CORE: 71-81 HOURS		
BIOL 1406, 1406L (101) AND 1407*, 1407L (102) OR BIOL 1411, 1411L (122) AND 1413, 1413L (121)	8	
CHEM 1411*, 1411L (101) Chemistry I	4	
CHEM 1412*, 1412L (102) Chemistry II	4	
PHYS 1401*, 1401L (101) General Physics I	4	
GEOL 2471*, 2471L (201) Mineralogy	4	
GEOL 2475*, 2475L (205) Petrology	4	
GEOL 3311*, 3311L (311) Structural Geology	3	

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

GEOL 3312*, 3312L (312) Geomorphology	3	
GEOL 3350*, 3350L (350) Hydrogeology	3	
GEOL 4098* Internship in Geology OR ENVR 4098* (ESC 403) Internship in Environmental Science	1-4	
GEOL 4305* (405) Field Methods OR ENVR 4404, 4404L (ESC 404) Environmental Sampling and Interpretation	3-4	
CHEM 2533*, 2533L (233) Elementary Organic Chemistry - Preferred, but CHEM 3511 may be substituted. See dept. advisor.	5	
ENVR 4302* (ESC 402) Environmental Law	3	
ENVR 4306, 4306L (ESC 406) Hazardous Waste Site Assessment	3	
BIOL 3418, 3418L (318) Wildland Soils OR PSES 2411*, 2411L (311) Soils and the Environment	4	
BIOL 4416, 4416L (416) Introductory Biometry MATH 3360* (360) Statistical Methods MATH 2413* (240) Calculus I Choose 1	3-4	
Choose four courses from: GESC 3303* (303) Oceanography GEOL/BIOL 3406*, 3406L (306) Paleontology GEOL 3325* (325) Environmental Geology ENVR 4301* (ESC 401) Preparation of Environmental Impact Statements ENVR 4305 (ESC 405) Introduction to Geographic Information Systems BIOL 2572*, 2572L (212) Microbiology BIOL 4510, 4510L (410) General Ecology	12-17	
BACHELOR OF SCIENCE REQUIREMENTS Covered by requirements for major.		
ELECTIVES: 0-7 HOURS BY ADVISEMENT		
ELECTIVES (0-7 HOURS AS NEEDED)	0-7	
MINIMUM HOURS REQUIRED TO COMPLETE DEGREE	120****	

♦ 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.
*** 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; 30 of the final 36 hours counted toward the degree must be earned at WTAMU. A maximum of six semester hours in religion (RELI) and a maximum of six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.

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.