

**West Texas A&M University
Advising Services
Degree Checklist
2015-2016**

(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 ♦		HRS
Communication (Code 10)		
ENGL 1301 Introduction to Academic Writing and Argumentation	3	
COMM 1315, 1318, or 1321	3	
Mathematics (Code 20)		
See University Core Requirements below	(3)	
Life and Physical Sciences (Code 30)		
See University Core Requirements below	(6)	
Language, Philosophy and Culture (Code 40)		
ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; PHIL 1301, 2374; SPAN 2311*, 2312***, 2313*, or 2315* Choose 1	3	
Creative Arts (Code 50)		
ARTS 1303, ARTS 1304; DANC 2303; HUMA 1315; MUSI 1306 or 1208 and 1209* (extra MUSI hour moves to Code 90); OR THRE 1310 Choose 1	3	
American History (Code 60)		
HIST 1301, 1302, 2301, 2381 Choose 2	6	
Government/Political Science (Code 70)		
POSC 2305 and 2306	6	
Social and Behavioral Sciences (Code 80)		
AGBE 2317*; COMM 2377; CRIJ 1301; ECON 2301, 2302; PSYC 2301; SOCI 1301 Choose 1	3	
Component Area Option (Code 90)		
See University Core Requirements below	(6)	
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: 15 HOURS ♦		
CORE 20 MATH 1316* or MATH 2412*[3]	3	
CORE 30 GEOL 1403[3] Physical Geology	3	
CORE 30 GEOL 1404[3] Historical Geology	3	
CORE 90 ENGL 1302* Research and Rhetoric OR ENGL 2311* Introduction to Professional and Technical Communication	3	
CORE 90 GEOL 1403L[1]; 1404[1]; and MATH 2412*[1] or IDS 1071	3	
ENVIRONMENTAL SCIENCE/GEOLOGY CORE: 71-81 HOURS		
BIOL 1406, 1406L AND 1407*, 1407L OR BIOL 1411, 1411L AND 1413, 1413L	8	
CHEM 1411*, 1411L Chemistry I	4	
CHEM 1412*, 1412L Chemistry II	4	
PHYS 1401*, 1401L General Physics I	4	
GEOL 2471*, 2471L Mineralogy	4	
GEOL 2475*, 2475L Petrology	4	
GEOL 3311*, 3311L Structural Geology	3	

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

GEOL 3312*, 3312L Geomorphology	3	
GEOL 3350*, 3350L Hydrogeology	3	
GEOL 4098* Internship in Geology OR ENVR 4098* Internship in Environmental Science	1-4	
GEOL 4305* Field Methods OR ENVR 4404, 4404L Environmental Sampling and Interpretation	3-4	
CHEM 2533*, 2533L Elementary Organic Chemistry - Preferred, but CHEM 3511 may be substituted. See dept. advisor.	5	
ENVR 4302* Environmental Law	3	
ENVR 4306, 4306L Hazardous Waste Site Assessment	3	
BIOL 3418, 3418L Wildland Soils OR PSES 2411*, 2411L Soils and the Environment	4	
BIOL 4416, 4416L Introductory Biometry MATH 3360* Statistical Methods MATH 2413* Calculus I Choose 1	3-4	
Choose four courses from: GESC 3303* Oceanography GEOL/BIOL 3406*, 3406L Paleontology GEOL 3325* Environmental Geology ENVR 4301* Preparation of Environmental Impact Statements ENVR 4305 Introduction to Geographic Information Systems BIOL 2572*, 2572L Microbiology BIOL 4510, 4510L General Ecology	12-17	
BACHELOR OF SCIENCE REQUIREMENTS Covered by requirements for major.		
ELECTIVES: 0-6 HOURS BY ADVISEMENT		
ELECTIVES (0-6 HOURS AS NEEDED) ♦	0-6	
MINIMUM HOURS REQUIRED TO COMPLETE DEGREE	120***	

♦ 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.

*** 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 BIOL 2572, CHEM 2533, MATH 2413 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 and Natural Sciences, 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.



First Year					
Fall			Spring		
H o u r s 15	CORE 10-ENGL 1301	3	H o u r s 14	CORE 90-ENGL	3
				ENGL 1302 or 2311	
	CORE 20-MATH	3		BIOL 1411/L OR 1407/L	4
	MATH 1316 or 2412*				
	BIOL 1413/L OR 1406/L	4		CORE 30-LAB SCIENCE	4
				GEOL 1404/1404L	
	CORE 30-LAB SCIENCE	4		CORE 40	3
	GEOL 1403/1403L			See Checklist for Options	
CORE 90	1				
Only if MATH 1316 for Core 20					

Second Year					
Fall			Spring		
H o u r s 14	GEOL 2471	4	H o u r s 17	CORE 50-ARTS	3
				See Checklist for Options	
	CHEM 1411/1411L	4		CORE 80	3
				See Checklist for Options	
	CORE 10-COMM	3		CORE 70-POSC	3
	1315, 1318 or 1321			2305 or 2306	
	CORE 70-POSC	3		CHEM 1412/1412L	4
	2305 or 2306				
		GEOL 2475/2475L	4		

Third Year					
Fall			Spring		
H o u r s 18	GEOL 3312	3	H o u r s 12	GEOL 3311	3
	GEOL 3350	3		SPECIFIED REQ.**	3
				GEOL/GESC/ENVR/BIOL	
	CEHM 2533/2533L*	5		ENVR 4306	3
	PHYS 1401/1401L	4		CORE 60-HIST	3
				1301, 1302, 2301 or 2381	
CORE 60-HIST	3				
1301, 1302, 2301 or 2381					

Fourth Year					
Fall			Spring		
H o u r s 14	PSES 2411/L OR BIOL 3418/	4	H o u r s 16	GEOL 4305	3
				or ENVR 4404/4404L	
	SPECIFIED REQ.**	3		SPECIFIED REQ.**	3
	GEOL/GESC/ENVR/BIOL			GEOL/GESC/ENVR/BIOL	
	SPECIFIED REQ.**	3		INTERNSHIP	1
	GEOL/GESC/ENVR/BIOL			GEOL 4098 or ENVR 4098	
	BIOL 4416	4		ENVR 4302	3
	or MATH 3360 or 2413				
		ELECTIVE	6		
		GEOL/GESC/ENVR/BIOL			

DISCLAIMER: This curriculum guide should be used in conjunction with the corresponding degree checklist for general planning purposes only. The degree checklist (later a student's official degree plan) should be referred to as the comprehensive list of all courses required for the degree. An official degree plan is required after completing 45 hours. Students should always seek the advice of their academic adviser before scheduling classes.

Notes:

* Preferred, but CHEM 3511 may be substituted. See dept. adviser.

** May be four-hour course. Select from GESC 3303, GEOL/BIOL 3406, GEOL 3325, ENVR 4301, ENVR 4305, BIOL 2572, BIOL 4510.