

**Advising Services
Degree Checklist
2021-2022**

(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 – NSB 348A 651-2570**

CORE CURRICULUM COURSES: 42 HOURS ♦		HRS	AC
Communication (Core 10)			
ENGL 1301 Introduction to Academic Writing and Argumentation		3	
COMM 1315, 1318, or 1321		3	
Mathematics (Core 20)			
See University Core Requirements below		(3)	
Life and Physical Sciences (Core 30)			
See University Core Requirements below		(6)	
Language, Philosophy and Culture (Core 40)			
ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; MCOM 1307; PHIL 1301, 2374; SPAN 2311*, 2312**/**, 2313*, 2315*, or 2371 Choose 1		3	
Creative Arts (Core 50)			
ARTS 1301, 1303, 1304; DANC 2303; MUSI 1306, 1307 (for music majors), 1310; or THRE 1310 Choose 1		3	
American History (Core 60)			
HIST 1301, 1302, 2301, 2381 Choose 2		6	
Government/Political Science (Core 70)			
POSC 2305 and 2306		6	
Social and Behavioral Sciences (Core 80)			
AGBE 2317*; COMM 2377; CRIJ 1301; ECON 2301, 2302; PSYC 2301; SOCI 1301 Choose 1		3	
Component Area Option (Core 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]	AC	3	
CORE 30 GEOL 1403[3] Physical Geology	AC	3	
CORE 30 GEOL 1404[3] Historical Geology	AC	3	
CORE 90 ENGL 1302* Research and Rhetoric OR ENGL 2311* Introduction to Professional and Technical Communication	AC	3	
CORE 90 GEOL 1403L[1]; 1404L[1]; and Fourth hour from MATH 2412[1], additional lab hour from Life & Physical Sciences, or IDS 1071		3	
ENVIRONMENTAL SCIENCE/GEOLOGY CORE: 73-83 HOURS			
BIOL 1406, 1406L AND 1407*, 1407L OR BIOL 1411, 1411L AND 1413, 1413L	AC	8	
CHEM 1411*, 1411L Chemistry I	AC	4	
CHEM 1412*, 1412L Chemistry II	AC	4	
PHYS 1401*, 1401L General Physics I	AC	4	
GEOL 2471*, 2471L Mineralogy		4	
GEOL 2475*, 2475L Petrology		4	
GEOL 3411*, 3411L Structural Geology		4	

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

GEOL 3350*, 3350L Hydrogeology	3	
GEOL 4401* Sedimentology and Stratigraphy	4	
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 AC	4	
BIOL 4416, 4416L Introductory Biometry MATH 3360* Statistical Methods MATH 2413* Calculus I AC Choose 1	3-4	
Choose four courses from: GESC 3303* Oceanography GEOL/BIOL 3406*, 3406L Paleontology GEOL 3325* Environmental Geology GEOL 3312* Geomorphology ENVR 4301* Preparation of Environmental Impact Statements ENVR 4305 Introduction to Geographic Information Systems BIOL 2572*, 2572L Microbiology OR BIOL 2420*, 2420L Applied 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) ♦ MATH 2413 is strongly recommended.	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 36 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU. A maximum of six semester hours in religion (RELI) and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.

NOTE: This is NOT a degree plan. All undergraduate students must request an official degree plan from their academic dean's office by the time they have completed 30 credit hours.

WTAMU ADVISING SERVICES 2021-2022 Curriculum Guide

Major: Environmental Sci./Geology Emphasis – Option II B.S.

Major Code: 105

First Year Boldface type indicates major requirements	
Fall	Spring
CORE 10(1) - ENGL 1301 3	CORE 90 - ENGL 1302 or 2311 3
CORE 20 - Take 1 course from: 3	MATH 1316 or 2412 0-4
MATH 1316 or 2412 (MATH 1314 if needed)	
CORE 30(1) - GEOL 1403 3	GEOL 1404 3
CORE 90 - GEOL 1403L 1	CORE 90-GEOL 1404L 1
CORE - See checklist for options 3	BIOL 1406 or 1411 4
	(If CORE 20 is completed)
	CORE - See checklist for options 3
Semester Hours 13	Semester Hours 14

Second Year	
Fall	Spring
Environmental Sci./Geol. Core 3	CHEM 1412/1412L 4
BIOL 1407 or 1413 4	PHYS 1401/1401L 4
CHEM 1411/1411L 4	Environmental Sci./Geol. Core 3-4
CORE - See checklist for options 3	CORE - See checklist for options 3
CORE - See checklist for options 3	CORE - See checklist for options 3
Semester Hours 17	Semester Hours 16-18

Third Year	
Fall	Spring
Environmental Sci./Geol. Core 5	Environmental Sci./Geol. Core 3-4
Environmental Sci./Geol. Core 3-4	Environmental Sci./Geol. Core 3-4
Environmental Sci./Geol. Core 3-4	Environmental Sci./Geol. Core 3-4
CORE-See Checklist for Options 3	Environmental Sci./Geol. Core 3
	CORE-See Checklist for Options 3
Semester Hours 12-17	Semester Hours 15-18

Fourth Year	
Fall	Spring
Environmental Sci./Geol. Core 3-4	Environmental Sci./Geol. Core 3-4
Environmental Sci./Geol. Core 3-4	Environmental Sci./Geol. Core 3-4
Environmental Sci./Geol. Core 3-4	Environmental Sci./Geol. Core 3-4
Environmental Sci./Geol. Core 3	Elective If needed 3-4
Elective if needed 3-4	
Semester Hours 15-18	Semester Hours 12-16

Degree Total Hours 120

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 30 hours. Students should always seek the advice of their academic adviser before scheduling classes.

Identified Marketable Skills:

Top 3 Local Employers or Industries/Professional Programs/Possible Career Opportunities

Prerequisites/Important Sequences/Other degree Notes: