Advising Services
Degree Checklist
2026-2027
(For assistance completing this form, contact Advising Services at 806-651-5300)

NAME:_____ **WT ID:**_____ **DATE:**_____

Environmental Science/Geology Emphasis – Option II
Department of Natural Sciences
NSB 106 (806) 651-2940

Bachelor of Science Degree
BS.ENVR.SCI.GEOL (105)

CORE CURRICULUM COURSES: 42 HOURS	HRS		
Communication (Core 10)			
ENGL 1301 Intro. to Academic Writing & Argumentation **OR** ENGL 1311 Writing About Ideas	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, 2382 **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; GEOG 1302; PSYC 2301; SOCI 1301 **Choose 1**	3		
Component Area Option (Core 90)			
See **University Core Requirements** below	(6)		
ENVIRONMENTAL SCIENCE MAJOR REQUIREMENTS: 93 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* Academic Writing & Research **OR** ENGL 2311* Intro. to Professional & Technical Comm.	3		
CORE 90 GEOL 1403L[1]; 1404L[1]; **AND** Fourth hour from MATH 2412[1], fourth hour from other Core 30 course, or IDS 1071	3		
ENVIRONMENTAL SCIENCE/GEOLOGY CORE: 78 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		
CHEM 2533*, 2533L Elementary Organic Chemistry ***- Preferred, but CHEM 3511 may be substituted. See dept. advisor.***	5		
PHYS 1401*, 1401L General Physics I	4		
GEOL 3350*, 3350L Hydrogeology	3		
GEOL 3411*, 3411L Structural Geology	4		
GEOL 3471*, 3471L Mineralogy	4		
GEOL 3475*, 3475L Petrology	4		
GEOL 4401*, 4401L 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 Envir. Sampling and Interpretation	3-4		
ENVR 4302 Environmental Law	3		
ENVR 4306, 4306L Hazardous Waste Site Assessment	3		
BIOL 3418, 3418L Wildland Soils **OR** PSES 2311, 2311L Fundamentals of Soil Science	3-4		
BIOL 4416, 4416L Introductory Biometry MATH 2413* Calculus I MATH 3360* Statistical Methods **Choose 1**	3-4		
Take 12-17 hours from: BIOL 2572*, 2572L Microbiology BIOL 4310, 4210L General Ecology GEOL 3312* Geomorphology GEOL 3325* Environmental Geology GEOL/BIOL 3406*, 3406L Paleontology GESC 3303* Oceanography ENVR 4301* Prep. of Environmental Impact Statements ENVR 4305 Intro. to Geographic Information Systems	12-17		
BACHELOR OF SCIENCE REQUIREMENTS **Covered by requirements for major.**			
MINIMUM HOURS REQUIRED TO COMPLETE DEGREE	**120*** **		

* 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 36 advanced hours (e.g. if BIOL 2572, CHEM 2533, MATH 2413 and PSES 2411 are selected for the major requirements).

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 – 2026-2027 Curriculum Guide

Major: Environmental Sci./Geology Emphasis, B.S. **BS.ENVR.SCI.GEOL (105)**

Year 1: Fall	
CORE 10 (Communication) – ENGL 1301 or 1311	3
CORE 20 (Mathematics) – MATH 1316 or 2412 (1314 if needed) Fourth hour of MATH 2412, if taken, will count towards Core 90.)	3
CORE 30 (Life & Phys. Sci.) – GEOL 1403 Physical Geology	3
CORE 90 (Component Area Option) – GEOL 1403L	1
CORE 60 – See checklist for options[1]	3
Total:	13

Year 1: Spring	
CORE 30 (Life & Phys. Sci.) – GEOL 1404 Historical Geology	3
CORE 90 (Component Area Option) – GEOL 1404L	1
CORE 90 (Component Area Option) – ENGL 1302 or 2311	3
BIOL 1406/1406L or 1411/1411L (if Core 20 is completed)	4
CORE 40 – See checklist for options[1]	3
Total:	14

Year 2: Fall	
Environmental Science/Geology Core (see checklist for required courses)	3-4
CORE 30 (Life & Phys. Sci.) BIOL 1407/1407L or BIOL 1413/1413L	4
CHEM 1411/1411L Chemistry I	4
CORE 60 – See checklist for options[1]	3
CORE 70 – POSC 2305	3
Total:	17-18

Year 2: Spring	
CHEM 1412/1412L Chemistry II	4
PHYS 1401/1401L General Physics I	4
Environmental Science/Geology Core	3-4
CORE 10 – COMM See checklist for options[1]	3
CORE 70 - POSC 2306	3
Total:	17-18

Year 3: Fall	
Environmental Science/Geology Core	5
Environmental Science/Geology Core	3
Environmental Science/Geology Core	3-4
Advanced Elective	3-5
CORE 50– See checklist for options[1]	3
Total:	17-18

Year 3: Spring	
Environmental Science/Geology Core	3-4
Environmental Science/Geology Core	3-4
Environmental Science/Geology Core	3-4
Environmental Science/Geology Core	3-4
CORE 80 – See checklist for options[1]	3
Total:	15-18

Year 4: Fall	
Environmental Science/Geology Core	3-4
Environmental Science/Geology Core	3-4
Environmental Science/Geology Core	3-4
Environmental Science/Geology Core	3
Elective if needed	3-4
Total:	15-18

Year 4: Spring	
Environmental Science/Geology Core	3-4
Environmental Science/Geology Core	3-4
Environmental Science/Geology Core	3-4
Elective if needed	3-4
Total:	12-16

[1] **CORE:** Environmental Science majors are required to take specific courses for Core 20, Core 30, and Core 90. For all other categories, they may select from any available options (see degree checklist). Apart from the major-specific core requirements, there is no set order in which core courses must be taken.

Identified Marketable Skills	Top Three Local Employers or Industries/Professional Programs/Possible Career Opportunities

Additional notes:

- 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.
- 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.

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.