

GEOLOGY: ENVIRONMENTAL GEOLOGY, BS

Requirements for Students Matriculating in or before Academic Year 2018-2019. Learn more about University Academic Regulation 3.1 (<http://catalog.okstate.edu/university-academic-regulations/#matriculation>).

Minimum Overall Grade Point Average: 2.00

Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (http://catalog.okstate.edu/university-academic-regulations/#english-composition)		
ENGL 1113 or ENGL 1313	Composition I Critical Analysis and Writing I	3
ENGL 1213 or ENGL 1413	Composition II Critical Analysis and Writing II	3
<i>American History & Government</i>		
HIST 1103	Survey of American History	3
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH 2144	Calculus I (A)	4
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course.		
BIOL 1114	Introductory Biology (LN)	4
PHYS 2014	University Physics I (LN)	4
<i>Social & Behavioral Sciences (S)</i>		
Course designated (S)		3
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		7
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan.		
At least one Diversity (D) course		
At least one International Dimension (I) course		
College/Departmental Requirements		
<i>First Year Seminar</i>		
(Transfer students with 15 hours exempt)		1
<i>Arts & Humanities</i>		
(See note 2.a.)		3
<i>Natural & Mathematical Sciences</i>		
CHEM 1314	Chemistry I (LN)	4
CHEM 1515	Chemistry II (LN)	5
(See note 2.b.)		
<i>Foreign Languages</i>		
(See note 3.)		
0-6 hours		
<i>Upper-Division General Education</i>		

6 hours outside major department

(See note 2.c.)

Hours Subtotal 13

Major Requirements

A minimum graduation retention GPA of 2.5 and completion of GEOL 1114 with a grade of "C" or better required to declare major.

Minimum grade of "C" in all Major Required courses.

Core Curriculum:

GEOL 1114	Physical Geology (LN)	4
GEOL 1224	Evolution of the Earth (LN)	4
GEOL 2254	Practical Mineralogy	4
GEOL 2364	Igneous and Metamorphic Petrology	4
GEOL 3014	Structural Geology	4
GEOL 3034	Principles of Stratigraphy and Sedimentology	4
GEOL 3503	Environmental Geology	3
GEOL 4403	Geochemistry	3
GEOL 4453	Hydrogeology	3
GEOL 3546	Field Geology	6
ENVR 1113	Elements of Environmental Science	3
GEOG 4203	Fundamentals of Geographic Information Systems	3
PHYS 2114	University Physics II (LN)	4
SOIL 2124	Fundamentals of Soil Science (N)	4
STAT 4013	Statistical Methods I (A)	3

Related Curriculum:

6 hours upper-division related from:		6
CHEM 3013	Survey of Organic Chemistry	
CHEM 3353	Descriptive Inorganic Chemistry	
ENVR 3113	Sampling and Analyses for Solving Environmental Problems	
ENVR 4363	Environmental Soil Science	
ENVR 4512	Environmental Impact Analysis	
GEOG 4063	Geoarchaeology and Environmental History	
GEOG 4073	Climate Change: Past, Present, and Future	
GEOG 4263	Geospatial Applications for Unmanned Aerial Systems	
GEOG 4273	Land Use Science	
GEOL 3073	Geomorphology	
GEOL 3103	Paleontology	
GEOL 3513	Earthquakes, Volcanoes, and Disasters (N)	
GEOL 4463	Physical Hydrogeology	
GEOL 4503	Introduction to Oceanography (N)	
GEOL 4513	Marine Geology	
GEOL 4573	Marine Biogeochemical Cycles	
GEOL 4753	Volcanology	
MICR 3033	Cell and Molecular Biology	
SOIL 3433	Soil Genesis, Morphology, and Classification	
SOIL 4463	Soil and Water Conservation	
Hours Subtotal		62

Electives

Select 5 hours. 5

May need to include 6 hours of a foreign language. See note 3.

Hours Subtotal	5
Total Hours	120

College of Arts and Sciences Requirements

1. General Education Requirements

No more than two courses (or eight hours) from the major department may be used to meet General Education and College and Departmental Requirements. The General Education required English Composition, required U.S. History, required American Government, one required MATH or STAT course, and required foreign language for B.A. degrees do not count against the two-course maximum.

2. A&S College/Departmental Requirements

- a. Arts and Humanities are defined as any course carrying an (H) designation or courses from AMST, ART, DANC, ENGL (except ENGL 3323 Technical Writing) HIST, MUSI, PHIL (except PHIL 1313 Logic and Critical Thinking (A), PHIL 3003 Symbolic Logic (A) and PHIL 4003 Mathematical Logic and Computability), REL, TH, and foreign languages.
- b. Natural and Mathematical Sciences are defined as any course from the following prefixes: ASTR, BIOC, BIOL, CHEM, CS (except CS 4883 Social Issues in Computing), GEOL, MATH, MICR, PBIO, PHYS, and STAT; or courses from other departments that carry an (A) or (N) general education designation.
- c. The required six hours of upper-division General Education may not include courses from the student's major department. This requirement may be satisfied by courses also used to satisfy any part of a student's degree program (i.e., in General Education, College Departmental Requirements, Major Requirements or Electives).
- d. Non-Western Studies Requirement for B.A. and B.F.A.; One 3-hour course in Non-Western Studies (N.W.). This requirement may be satisfied by courses also used to satisfy any part of a student's degree program (i.e., in General Education, College Departmental Requirements, Major Requirements or Electives).
- e. The College of Arts & Sciences requires a minimum 2.0 GPA in all major requirements and a minimum 2.0 GPA in all major-prefix courses.

3. Foreign Language Proficiency

- a. The foreign language requirement for the B.A. may be satisfied by 9 hours college credit in the same language, which must include 3 hours at the 2000-level, or equivalent proficiency (e.g., passing an advanced standing examination; TOEFL exam; presenting a high school transcript which demonstrates the high school was primarily conducted in a language other than English; etc.). Computer Science courses may not be used to satisfy this requirement. Currently Arabic and Mvskoke are not offered at the 2000-level at OSU.
- b. The foreign language requirement for the B.S., B.M. and B.F.A. may be satisfied by presenting a high school transcript which demonstrates two years of study of a single foreign language (passing grades at second-year level of study). It may also be satisfied by 6 hours college credit in the same language, which must include language courses 1713 and 1813, or equivalent proficiency (e.g., passing an advanced standing examination; TOEFL exam; presenting a high school transcript which demonstrates the high school was primarily conducted in

a language other than English; etc.). Computer Science courses may not be used to satisfy this requirement.

- c. In addition to a. and b., students pursuing teacher certification must meet novice-high foreign language proficiency by presenting a high school transcript which demonstrates two years of study of a single foreign language with no grade below B. Or, students may complete 3 hours college credit in a single language with no grade below C (or pass an advanced standing examination, College Level Examination Program (CLEP) exam, or Oral Proficiency Interview developed by the American Council on the Teaching of Foreign Languages, equivalent to 3 hours of college credit.) Or, students may meet the requirement by transfer of documentation of meeting the foreign language competency from one of the teacher education programs in the State of Oklahoma approved by the Oklahoma State Regents for Higher Education.

4. Exclusions

- a. Courses used to satisfy the General Education English Composition, U.S. History, American Government, and Mathematics or Statistics requirements will not count toward the 54-hour maximum allowed from one department.
- b. Courses with ATHL or LEIS prefixes and leisure activity courses may not be used for degree credit.

5. Teacher Certification

Students can satisfy the requirements for secondary schools teaching certification while earning a B.A. or B.S. in the College of Arts & Sciences. Those interested should see their Arts and Sciences advisor and the OSU Professional Education Unit in room 325 Willard.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2024.