# **GEOLOGY: ENVIRONMENTAL GEOLOGY, BS**

## **Degree Programs**

Requirements for Students Matriculating in or before Academic Year 2023-2024. 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 F	Requirements		
<b>English Composition</b>			
See Academic Regulation 3.5 (http://catalog.okstate.edu/ university-academic-regulations/#english-composition)			
ENGL 1113	Composition I	3	
or ENGL 1313	Critical Analysis and Writing I		
ENGL 1213	Composition II	3	
or ENGL 1413	Critical Analysis and Writing II		
or ENGL 3323	Technical Writing		
American History & G	Government		
HIST 1103	Survey of American History	3	
or HIST 1483	American History to 1865 (H)		
or HIST 1493	American History Since 1865 (DH)		
POLS 1113	American Government	3	
Analytical & Quantita	tive Thought (A)		
MATH 2144	Calculus I (A) <sup>1</sup>	4	
Humanities (H)			
Courses designated	(H)	6	
Natural Sciences (N)			
Must include one La	aboratory Science (L) course.		
PHYS 2014	University Physics I (LN) <sup>1</sup>	4	
Select four hours from the following:			
BIOL 1113	Introductory Biology (N)		
& BIOL 1111	and Introductory Biology Laboratory (LN)		
BIOL 1114	Introductory Biology (LN)		
Social & Behavioral S	ciences (S)		
Course designated (S)			
Additional General Education			
Courses designated (A), (H), (N), or (S)		7	
Hours Subtotal			
Diversity (D) & Inter	national Dimension (I)		
May be completed in	n any part of the degree plan.		
At least one Diversit	ry (D) course		
At least one Internat	tional Dimension (I) course		
College/Department	tal Requirements		
First Year Seminar			
(Transfer students with 15 hours exempt)			
Arts & Humanities			
(See note 2.a.)		3	

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## **Other Requirements**

- See the College of Arts and Sciences Requirements.
- **Upper-Division Credit**: Total hours must include at least 40 hours in courses numbered 3000 or above.

## College of Arts and Sciences Requirements

 Hours in One Department: For B.A. and B.S. degrees, no more than 54 hours in one department may be required to meet degree requirements. 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 required from one department.

#### 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. Six upper-division hours are required from General Education or any CAS courses outside the student's major department (http:// catalog.okstate.edu/college-arts-sciences-major-departments/). 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 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 applied to the degree.

#### 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.
- Exclusions. Courses with ATHL or LEIS prefixes and leisure activity courses may not be used for degree credit.

### **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; onefourth 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 2029.

## **Example Plan of Study**

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours	
Freshman			
Fall			
GEOL 1214	Introductory Geological Processes (LN)	4	
CHEM 1314	Chemistry I (LN)	4	
MATH 2144	Calculus I (A)	4	
General Education courses		3	
	Hours	15	
Spring			
GEOL 1224	Evolution of the Earth (LN)	4	
GEOL 2403 or CHEM 1515	Chemistry of Earth Systems (every other year) or Chemistry II (LN)	3	
MATH 2153	Calculus II (A) (recommended)	3	
or STAT 2013	or Elementary Statistics (A)		
General Education courses			
	Hours	14	
Sophomore			
Fall			
GEOL 2464	Rocks and Minerals	4	
ENVR 1113	Elements of Environmental Science (N)	3	
College and General Education courses 7			
	Hours	14	
Spring			
BIOL 1113	Introductory Biology (N)	4	
& BIOL 1111	and Introductory Biology Laboratory (LN)		
GEOL 2403 or CHEM 1515	Chemistry of Earth Systems ((if needed)) or Chemistry II (LN)	3	
PHYS 1114	College Physics I (LN)	4	
Major, College, and Elective courses			
	Hours	15	

#### Junior

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GEOL 3014	Structural Geology	
GEOG 4203	Fundamentals of Geographic Information Systems	3
Major, College, and Ele	ective courses	7
	Hours	14
Spring		
GEOL 2103 or PHYS 1214	Fundamentals of Geophysics (every other year) or College Physics II (LN)	3
GEOL 3034	Principles of Stratigraphy and Sedimentology	4
GEOL 3503	Environmental Geology (N)	3
GEOL 4403	Environmental Geochemistry (every other year)	3
Major, College, and Ele	ctive courses	3
	Hours	16
Summer		
GEOL 3546	Field Geology	6
	Hours	6
Senior		
Fall		
GEOL 4453	Hydrogeology	3
Major, College, and Ele	ective courses	10
	Hours	13
Spring		
GEOL 4403	Environmental Geochemistry (if needed)	3
Major, College, and Ele	ctive courses	10
	Hours	13
	Total Hours	120