

# Roadmap: Geology - Bachelor of Science

[AS-BS-GEOL]

College of Arts and Sciences
Department of Geology
Catalog Year: 2009-2010

Critical requirements are boldface in shaded areas

Course Subject and Title	Credit Hours	Upper Division	Min. Grade	Important Notes		
Semester One: [15-16 Credit Hours]						
GEOL 11040 Earth Dynamics	3					
GEOL 11041 Earth Dynamics Laboratory	1					
ENG 11011 College Writing I	3			Enrollment based on placement tests; fulfills LER Composition		
US 10097 Destination Kent State: FYE	1			Not required for transfer students with 25 credits		
Foreign Language (Elementary I)	4-5					
LER Social Sciences	3			Should fulfill diversity requirement; visit www.kent.edu/catalog and search "LER" and "diversity" for course lists		
Semester Two: [15-16 Credit Hours]						
GEOL 11042 Earth History	3					
GEOL 11043 Earth History Laboratory	1					
BSCI 10110 Biological Diversity or BSCI 30560 Invertebrate Zoology	4					
Foreign Language II (Elementary II)	4-5					
LER Social Sciences	3			Should fulfill diversity requirement; visit www.kent.edu/catalog and search "LER" and "diversity" for course lists		
Semester Three: [15 Credit Hours]						
CHEM 10060 General Chemistry I	4					
CHEM 10062 General Chemistry Laboratory I	1					
GEOL 23063 Mineralogy	4					
ENG 21011 College Writing II	3			Fulfills LER Composition		
LER Humanities or Fine Arts	3			Should fulfill diversity requirement; visit www.kent.edu/catalog and search "LER" and "diversity" for course lists		
Semester Four: [14 Credit Hours]						
GEOL 31070 Petrology	4	-				
MATH 12002 Analytic Geometry and Calculus I	5			Fulfills LER Mathematics and Critical Reasoning		
CHEM 10061 General Chemistry II  or PHY 13002 General College Physics II	4			Fulfills LER Basic Sciences; CHEM 10061 must be taken with CHEM 10063; PHY 13002 must		
CHEM 10063 General Chemistry Laboratory II or PHY 13022 General College Physics Laboratory II	1			be taken with PHY 13022		
Semester Five: [16 Credit Hours]						
GEOL 34061 Invertebrate Paleontology	4		С	Fulfills writing-intensive course requirements		
GEOL 31080 Structural Geology	4	-				
PHY 13001 General College Physics I	4			Fulfills LER Basic Sciences and LER Additional;		
PHY 13021 General College Physics Laboratory I	1			both courses taken together		
LER Humanities	3			Should fulfill diversity requirement; visit www.kent.edu/catalog and search "LER" and "diversity" for course lists		
Semester Six: [15 Credit Hours]						
GEOL 32066 Geomorphology	4					
GEOL 42035 Scientific Methods in Geology or MATH 30011 Basic Probability and Statistics	3	•				
LER Fine Arts	3			Should fulfill diversity requirement; visit www.kent.edu/catalog and search "LER" and		
General Electives (lower or upper division)	5			"diversity" for course lists		



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Summer III: [6 Credit Hours]					
GEOL 41092 Summer Field Camp	6				
Semester Seven: [15 Credit Hours]					
GEOL 41025 General Geophysics or GEOL 43040 Principles of Geochemistry (spring)	0-3	•		Take either GEOL 41025 this semester or GEOL 43040 in spring (semester 8)	
GEOL Elective (upper division)	6	-			
LER Additional	6			Should fulfill diversity requirement; visit www.kent.edu/catalog and search "LER" and "diversity" for course lists	
General Elective (upper division	0-3			Take 3-credit elective if not taking GEOL 41025	
Semester Eight: [10 Credit Hours]					
GEOL 41025 General Geophysics (fall)  or GEOL 43040 Principles of Geochemistry	0-3			Take GEOL 43040 if GEOL 41025 was not taken in semester 7	
GEOL 44070 Principles of Stratigraphy	4				
GEOL Elective (upper division)	3				
General Elective (upper division)	0-3			Take 3-credit elective if not taking GEOL 43040	

**Graduation Requirements Summary** 

	Minimum	Upper-Division	Liberal Education	Diversity Course	Writing-Intensive	Minimum		1			
	Total Hours	Hours	Requirements Hours	Global / Domestic	writing-intensive	Major GPA	Overall GPA				
	121	42	45	LER or General Electives	GEOL 34061	2.0	2.0				

## Liberal Education Requirements (LER)

Students must complete a minimum 36 credit hours of Liberal Education Requirements. Colleges or degree programs may specify certain courses to fulfill the requirements. Courses in the students' major field will not count toward the completion of any LER. Honors equivalents shall satisfy the LER. None of the courses on the LER list may be taken with a pass/fail grade.

#### **Diversity Course Requirement**

Students must complete a two-course diversity requirement, consisting of one with a domestic focus and one with a global focus. One course must be come from the LER and cannot be in the student's major. The second course may be taken as a second LER; or within a major or minor; or as a general elective; or, with dean's approval, by completing one semester of study in another country.

### Writing-Intensive Course Requirement

Students must complete a one-course writing-intensive requirement in their major and earn minimum C (2.00) grade.

## **Upper-Division Requirement**

In general, baccalaureate programs require the successful completion of at least 39 upper-division (numbered 30000 to 49999) credit hours of coursework. Programs in the College of Arts and Sciences require a minimum of 42 hours of upper-division coursework.