



This roadmap is a recommended semester-by-semester plan of study for this major. However, courses and milestones designated as critical (in boldface and shaded areas) must be completed in the semester listed to ensure a timely graduation.

Course Subject and Title	Credit Hours	Upper Division	Min. Grade	Important Notes
Semester One: [15-16 Credit Hours]				
GEOL 11040 Earth Dynamics	3			Fulfills Kent Core Basic Sciences
GEOL 11041 Earth Dynamics Laboratory	1			Fulfills Kent Core Basic Sciences
US 10097 Destination Kent State: FYE	1			Not required of transfer students with 25 credits
Foreign Language (Elementary I)	4-5			
Kent Core Requirement	6			See Kent Core Summary on page 2
Semester Two: [15-16 Credit Hours]				
GEOL 11042 Earth History	3			Fulfills Kent Core Basic Sciences
GEOL 11043 Earth History Laboratory	1			Fulfills Kent Core Basic Sciences
BSCI 10110 Biological Diversity <i>or</i> BSCI 30560 Invertebrate Zoology	4			
Foreign Language II (Elementary II)	4-5			
Kent Core Requirement	3			See Kent Core Summary on page 2
Semester Three: [15 Credit Hours]				
CHEM 10060 General Chemistry I	4			Fulfills Kent Core Additional
CHEM 10062 General Chemistry Laboratory I	1			Fulfills Kent Core Basic Sciences
GEOL 23063 Mineralogy	4			
Kent Core Requirement	6			See Kent Core Summary on page 2
Semester Four: [14 Credit Hours]				
GEOL 31070 Petrology	4	■		
MATH 12002 Analytic Geometry and Calculus I	5			Fulfills Kent Core Mathematics and Critical Reasoning
PHY 13001 General College Physics I	4			Fulfills Kent Core Basic Sciences; courses must be taken together
PHY 13021 General College Physics Laboratory I	1			
Semester Five: [14 Credit Hours]				
GEOL 34061 Invertebrate Paleontology	4	■	C	Fulfills writing-intensive course requirements
GEOL 31080 Structural Geology	4	■		
GEOL 42035 Scientific Methods in Geology <i>or</i> MATH 30011 Basic Probability and Statistics	3	■		GEOL 42035 offered in fall only
Kent Core Requirement	3			See Kent Core Summary on page 2
Semester Six: [17 Credit Hours]				
GEOL 32066 Geomorphology	4	■		
Kent Core Requirement	3			See Kent Core Summary on page 2
General Electives (lower or upper division)	5			
CHEM 10061 General Chemistry II <i>or</i> PHY 13002 General College Physics II	4			Fulfills Kent Core Basic Sciences
CHEM 10063 General Chemistry Laboratory II <i>or</i> PHY 13022 General College Physics Laboratory II	1			Fulfills Kent Core Basic Sciences; CHEM 10063 must be taken with CHEM 10061; PHY 13022 must be taken with PHY 13002
Summer III: [6 Credit Hours]				
GEOL 41092 Summer Field Camp	6	■		

Critical requirements are boldface in shaded areas

Course Subject and Title	Credit Hours	Upper Division	Min. Grade	Important Notes
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	■		
Kent Core Requirement	3			See Kent Core Summary on page 2
General Elective (upper division)	0-6	■		Take 6-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	■		Number of credits required depends on meeting minimum 121 credit hours and minimum 42 upper-division credit hours

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours	Minimum Kent Core Hours	Diversity Course Global / Domestic	Writing-Intensive	Minimum Major GPA	Minimum Overall GPA
121	42	36*	Kent Core or General Electives	GEOL 34061	2.0	2.0

* In addition to the Kent Core, the College of Arts and Sciences requires for all its BS programs a minimum 8 credit hours of a foreign language.

Kent Core Summary

Kent Core Categories	Important Notes	Remaining Credit Hours
Additional (6 credit hours) <i>Must be selected from two Kent Core categories</i>	4 credits fulfilled in this major with CHEM 10060; may fulfill diversity requirement	2
Basic Sciences (6-7 credit hours) <i>Must include one laboratory</i>	Fulfilled in this major with CHEM 10061, CHEM 10063 (or PHY 13002, PHY 13022), GEOL 11040, GEOL 11041, GEOL 11042, GEOL 11043, PHY 13001, PHY 13021	0
Composition (6-8 credit hours) <i>ENG 11002, 11011, 21011; HONR 10197, 10297</i>	Enrollment based on placement test	6-8
Humanities and Fine Arts (9 credit hours) <i>Minimum one course from humanities in Arts and Sciences category and minimum one course from fine arts category</i>	May fulfill diversity requirement	9
Mathematics and Critical Reasoning (3-5 credit hours)	Fulfilled in this major with MATH 12002	0
Social Sciences (6 credit hours) <i>Must be selected from two curricular areas</i>	May fulfill diversity requirement	6

Kent Core

Students must complete a minimum 36 credit hours of the Kent Core. Certain courses required in programs and in student's major field may also fulfill the Kent Core. Honors equivalents shall satisfy the Kent Core. None of the courses on the Kent Core list may be taken with a pass/fail grade. Visit www.kent.edu/catalog/kent-core for course list.

Diversity Course Requirement

Students must complete a two-course diversity requirement, consisting of one with a domestic (U.S.) focus and one with a global focus. One course must come from the Kent Core. The second course may be taken as a second Kent Core, within a major or minor, or as a general elective; or, with dean's approval, by completing one semester of study in another country. Visit www.kent.edu/catalog/diversity for course list.

Writing-Intensive Course Requirement

Students must complete a one-course writing-intensive requirement in their major and earn minimum C (2.00) grade. Visit www.kent.edu/catalog/wic for course list.

Upper-Division Requirement

Students must complete a minimum 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.

Foreign Language

Visit www.kent.edu/catalog/foreign-languages for course list.