



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 Div.	Min. Grade	Major GPA	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: First Year Experience	1				Not required of transfer students with 25 credits
Foreign Language (Elementary I)	4-5				Fulfills College General Requirement
Kent Core Requirement	3				See Kent Core Summary on page 2
Kent Core Requirement	3				
Semester Two: [14-16 Credit Hours]					
GEOL 11042 Earth History	3			■	Fulfills Kent Core Basic Sciences
GEOL 11043 Earth History Laboratory	1			■	Fulfills Kent Core Basic Sciences
BSCI 10002 Life on Planet Earth <i>or</i> BSCI 10110 Biological Diversity	3-4			■	
Foreign Language II (Elementary II)	4-5				Fulfills College General Requirement
Kent Core Requirement	3				See Kent Core Summary on page 2
Semester Three: [16 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 22000 Introductory Geology Seminar	1			■	
GEOL 23063 Earth Materials I	4			■	
Kent Core Requirement	3				See Kent Core Summary on page 2
Kent Core Requirement	3				
Semester Four: [14 Credit Hours]					
CHEM 10061 General Chemistry II	4			■	Fulfills Kent Core Basic Sciences
CHEM 10063 General Chemistry Laboratory II	1			■	
GEOL 31070 Earth Materials II	4	■		■	
MATH 12002 Analytic Geometry and Calculus I	5			■	Fulfills Kent Core Mathematics and Critical Reasoning
Semester Five: [14 Credit Hours]					
GEOL 34061 Invertebrate Paleontology	4	■	C	■	Fulfills writing-intensive course requirements
GEOL 32066 Geomorphology	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: [15 Credit Hours]					
GEOL 31080 Structural Geology	4	■		■	
GEOL 43040 Principles of Geochemistry	3	■		■	
PHY 13001 General College Physics I	4			■	Fulfills Kent Core Basic Sciences
PHY 13021 General College Physics Laboratory I	1			■	
Kent Core Requirement	3				See Kent Core Summary on page 2
Summer III: [6 Credit Hours]					
GEOL 41092 Summer Field Camp	6	■		■	Fulfills experiential learning requirement
Semester Seven: [14 Credit Hours]					
GEOL Elective (upper division)	6	■		■	See the note 1 on page 2
Kent Core Requirement	2				See Kent Core Summary below
General Elective (upper division)	6	■			



Critical requirements are boldface in shaded areas

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Semester Eight: [13 Credit Hours]					
GEOL 44070 Sedimentology and Stratigraphy	4	■		■	
GEOL Elective (upper division)	3-4	■		■	See the note 1 below
General Elective (upper division)	6	■			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	Global / Domestic Diversity Course	Writing-Intensive	Experiential Learning	Minimum Major GPA	Minimum Overall GPA
121	42	36	Kent Core or General Electives	GEOL 34061	GEOL 41092	2.000	2.000

Kent Core Summary

Kent Core Categories	Important Notes	Remaining Credit
Composition (6-8 credit hours) <i>ENG 11002, 11011, 21011; HONR 10197, 10297</i>	Enrollment based on placement test	6-8
Mathematics and Critical Reasoning (3-5 credit hours)	Fulfilled in this major with MATH 12002	0
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
Social Sciences (6 credit hours) <i>Must be selected from two curricular areas</i>	May fulfill diversity requirement	6
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
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

Note 1: GEOL upper-division electives (9-10 credit hours), choose from the following:

GEOL 42030 Remote Sensing	3	GEOL 42078 Engineering Geology	4
GEOL 42067 Introductory Hydrogeology	3	GEOL 43042 Environmental Geochemistry	3
GEOL 42068 Contaminant Hydrology and Hydrogeology	3	GEOL 43044 Environmental Isotopes	3
GEOL 42074 Environmental Core and Well Logging	3		

Note: All courses taken from the list of major program requirements are used in the calculation of the major GPA.

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 (2.000) grade.

Visit www.kent.edu/catalog/wic for course list.

Experiential Learning Requirement (ELR)

To provide students with direct engagement in learning experiences that promote academic relevance, meaning and an understanding of real-world issues, students must complete this requirement at Kent State, either as a for-credit course or as a non-credit, non-course experience approved by the appropriate faculty member. Visit www.kent.edu/catalog/elr 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.