



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
<b>Semester One: [15-16 Credit Hours]</b>					
<b>GEOL 11040 Earth Dynamics</b>	3			■	<b>Fulfills Kent Core Basic Sciences</b>
<b>GEOL 11041 Earth Dynamics Laboratory</b>	1			■	<b>Fulfills Kent Core Basic Sciences; pre/corequisite is GEOL 11040</b>
MATH 11010 Algebra for Calculus	3			■	Fulfills Kent Core Mathematics and Critical Reasoning
US 10097 Destination Kent State: First Year Experience	1				Not required of transfer students with 25 credits
Foreign Language Requirement (Elementary I)	4-5				Fulfills College General Requirement; see foreign language note on page 2
Kent Core Requirement	3				See Kent Core Summary on page 2
<b>Semester Two: [14-15 Credit Hours]</b>					
<b>GEOL 11042 Earth History</b>	3			■	<b>Fulfills Kent Core Basic Sciences</b>
<b>GEOL 11043 Earth History Laboratory</b>	1			■	<b>Fulfills Kent Core Basic Sciences; pre/corequisite is GEOL 11042</b>
GEOL 21080 Oceanography	3			■	Fulfills Kent Core Additional
MATH 11022 Trigonometry	3			■	Fulfills Kent Core Additional
Foreign Language Requirement (Elementary II)	4-5				Fulfills College General Requirement; see foreign language note on page 2
<b>Semester Three: [18-20 Credit Hours]</b>					
<b>CHEM 10060 General Chemistry I</b>	4			■	<b>Fulfills College General Requirement</b>
<b>CHEM 10062 General Chemistry I Laboratory</b>	1			■	<b>Fulfills Kent Core Basic Sciences</b>
<b>GEOL 23063 Earth Materials I</b>	4			■	
Foreign Language Requirement	3-5				Fulfills College General Requirement; see foreign language note on page 2
Kent Core Requirement	3				See Kent Core Summary on page 2
Kent Core Requirement	3				
<b>Semester Four: [14-16 Credit Hours]</b>					
<b>BSCI 10110 Biological Diversity or BSCI 30560 Invertebrate Zoology</b>	4			■	
<b>GEOL 31070 Earth Materials II</b>	4	■		■	
Foreign Language Requirement	3-5				Fulfills College General Requirement; see foreign language note on page 2
Kent Core Requirement	3				See Kent Core Summary on page 2
<b>Semester Five: [15 Credit Hours]</b>					
<b>GEOL 32066 Geomorphology</b>	4	■		■	
<b>GEOL 34061 Invertebrate Paleontology</b>	4	■	C	■	<b>Fulfills writing-intensive course requirement</b>
PHY 13001 General College Physics I <i>and</i> PHY 13021 General College Physics Laboratory <i>or</i> PHY 23101 General University Physics	5			■	PHY 13001 must be taken with PHY 13021; all courses fulfill Kent Core Basic Sciences
Kent Core Requirement	3				See Kent Core Summary on page 2
<b>Semester Six: [15 Credit Hours]</b>					
<b>GEOG 31062 Fundamental of Meteorology</b>	3	■		■	
<b>GEOG 31064 Principles of Climatology</b>	3	■		■	
Kent Core Requirement	3				See Kent Core Summary on page 2
General Elective	6				
<b>Semester Seven: [15 Credit Hours]</b>					
<b>GEOG 41082 Geography of Soils</b>	3	■		■	
Kent Core Requirement	3				See Kent Core Summary below
GEOG or GEOL Elective (upper division)	3	■		■	Recommended: geographical information sciences course
General Electives (upper division)	6	■			

**Critical requirements are boldface in shaded areas**

Course Subject and Title	Credit Hours	Upper Div.	Min. Grade	Major GPA	Important Notes
<b>Semester Eight: [14 Credit Hours]</b>					
<b>GEOG 41073 Conservation—Natural Resources</b>	<b>3</b>	<b>■</b>		<b>■</b>	
College General Requirement	3				Must be from Kent Core Social Sciences; see note 1 below
GEOL Elective (upper division)	3	■		■	
General Electives (upper division)	5	■			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	Visit <a href="http://www.kent.edu/catalog/elr">www.kent.edu/catalog/elr</a>	2.000	2.000

**Kent Core Summary**

Kent Core Categories	Important Notes	Remaining Credit Hours
<b>Composition (6-8 credit hours)</b> <i>ENG 11002, 11011, 21011; HONR 10197, 10297</i>	Enrollment based on placement test	6-8
<b>Mathematics and Critical Reasoning (3-5 credit hours)</b>	Fulfilled in this major with MATH 11010	0
<b>Humanities and Fine Arts (9 credit hours)</b> <i>Minimum one course from humanities in Arts and Sciences and minimum one course from fine arts</i>	May fulfill diversity requirement	9
<b>Social Sciences (6 credit hours)</b> <i>Must be selected from two curricular areas</i>	May fulfill diversity requirement	6
<b>Basic Sciences (6-7 credit hours)</b> <i>Must include one laboratory</i>	Fulfilled in this major with GEOL 11040, GEOL 11041, GEOL 11042, GEOL 11043, CHEM 10062, PHY 13001 and PHY 13021 (or PHY 23101) and PHY 24001	0
<b>Additional (6 credit hours)</b> <i>Must be selected from two Kent Core categories</i>	6 credits fulfilled in this major with GEOL 21080 and MATH 11022	0

**Note 1:** One additional course taken from the Kent Core Social Sciences courses in the following Arts and Sciences disciplines: Anthropology (ANTH), Applied Conflict Management (CACM), Geography (GEOG), Criminology and Justice Studies (JUS), Political Science (POL), Psychology (PSYC) or Sociology (SOC). The course may not be from the student's major.

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

**Foreign Language Note:** Students pursuing a Bachelor of Arts degree in the College of Arts and Sciences must have the equivalent of Elementary I and II in any language, plus one of the following options:

- a. Intermediate I and II of the same language
- b. Elementary I and II of a second language
- c. Any combination of two courses from the following list:
  - Intermediate I of the same language
  - MCLS 10001 Introduction to Structural Concepts for Language Students
  - MCLS 20000 Global Literacy and Cultural Awareness
  - MCLS 20091 Seminar: Global Literacy Case Studies

All students with prior foreign language experience should take the foreign language placement test to determine the appropriate level at which to start. Some students may begin their university foreign language experience beyond the Elementary I level and will complete the requirement with fewer credit hours and fewer courses. This may be accomplished by: (1) passing a course beyond the Elementary I through Intermediate II level or (2) receiving credit through Credit by Exam (CBE), the College Level Examination Program (CLEP), the Advanced Placement (AP) exam or credit through the International Baccalaureate (IB) program; or (3) being designated a "native speaker" of a non-English language (consult with the College of Arts and Sciences Advising Office for additional information). When students complete the requirement with fewer than 14 credit hours and four courses, they will complete the remaining hours with general electives.

**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](http://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](http://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](http://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](http://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](http://www.kent.edu/catalog/foreign-languages) for course list.

