



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; pre/corequisite is GEOL 11040 |
| MATH 11010 Algebra for Calculus | 3 | | | Fulfills Kent Core Mathematics and Critical Reasoning |
| US 10097 Destination Kent State: FYE | 1 | | | Not required of transfer students with 25 credits |
| Foreign Language (Elementary I) | 4-5 | | | |
| Kent Core Requirement | 3 | | | See Kent Core Summary on page 2 |
| Semester Two: [13-14 Credit Hours] | | | | |
| GEOL 11042 Earth History | 3 | | | Fulfills Kent Core Basic Sciences |
| GEOL 11043 Earth History Laboratory | 1 | | | Fulfills Kent Core Basic Sciences; pre/corequisite is GEOL 11042 |
| GEOL 21080 Oceanography | 3 | | | Fulfills Kent Core Additional |
| MATH 11022 Trigonometry | 2 | | | |
| Foreign Language (Elementary II) | 4-5 | | | |
| Semester Three: [18-20 Credit Hours] | | | | |
| CHEM 10060 General Chemistry I | 4 | | | Fulfills Kent Core Basic Sciences |
| CHEM 10062 General Chemistry I Laboratory | 1 | | | Fulfills Kent Core Basic Sciences |
| GEOL 23063 Mineralogy | 4 | | | |
| Foreign Language (Intermediate I) | 3-5 | | | |
| Kent Core Requirement | 6 | | | See Kent Core Summary on page 2 |
| Semester Four: [14-16 Credit Hours] | | | | |
| BSCI 10110 Biological Diversity or BSCI 30560 Invertebrate Zoology | 4 | | | |
| GEOL 31070 Petrology | 4 | ■ | | |
| Foreign Language (Intermediate II) | 3-5 | | | |
| Kent Core Requirement | 3 | | | See Kent Core Summary on page 2 |
| Semester Five: [15 Credit Hours] | | | | |
| GEOG 31062 Fundamental of Meteorology | 3 | ■ | | |
| GEOL 34061 Invertebrate Paleontology | 4 | ■ | C | Fulfills writing-intensive course requirement |
| 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 |
| Semester Six: [16 Credit Hours] | | | | |
| GEOG 31064 Principles of Climatology | 3 | ■ | | |
| GEOL 32066 Geomorphology | 4 | ■ | | |
| PHY 24001 Astronomy | 3 | | | Fulfills Kent Core Basic Sciences |
| Kent Core Requirement | 6 | | | See Kent Core Summary on page 2 |
| Semester Seven: [15 Credit Hours] | | | | |
| GEOG 41082 Geography of Soils | 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 Division | Min. Grade | Important Notes |
|--|--------------|----------------|------------|---|
| Semester Eight: [15 Credit Hours] | | | | |
| GEOG 41073 Conservation–Natural Resources | 3 | ■ | | |
| Kent Core Requirement | 3 | | | See Kent Core Summary below |
| GEOL Elective (upper division) | 3 | ■ | | |
| General Electives (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 | Diversity Course Global / Domestic | Writing-Intensive | Minimum Major GPA | Minimum Overall GPA |
|---------------------|------------------------------|-------------------------|------------------------------------|-------------------|-------------------|---------------------|
| 121 | 42 | 42* | Kent Core or General Electives | GEOL 34061 | 2.0 | 2.0 |

* The above hours include an additional Kent Core course each in Basic Sciences and Social Sciences as required by the College of Arts and Sciences for its BA programs. In addition to the Kent Core, the college requires for all its BA programs a minimum 14 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> | 3 credits fulfilled in this major with GEOL 21080; may fulfill diversity requirement | 3 |
| Basic Sciences (9-10 credit hours) <i>Must include one laboratory</i> | Fulfilled in this major with GEOL 11040, GEOL 11041, GEOL 11042, GEOL 11043, CHEM 10060, CHEM 10062, PHY 13001 and PHY 13021 (or PHY 23101) and PHY 24001; includes additional course as required by the college for its BA programs | 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 11010 | 0 |
| Social Sciences (9 credit hours) <i>Must be selected from two curricular areas</i> | Includes additional course as required by the college for its BA programs; may fulfill diversity requirement | 9 |

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.

