

The following table outlines how transfer credits will be applied to the Bachelor of Science in Geology degree at Kent State University for students who completed an Associate of Science degree via the Ohio Guaranteed Geology Transfer Pathway. The OGTP designation guarantees the transfer and applicability of credits, but does not guarantee admission to a program. Some bachelor-degree granting programs may be competitive, and students should check with individual institutions for their program admission requirements.

| COURSE EQUIVALENCIES FROM THE ASSOCIATE DEGREE | Course Number | Credit Hours |
|---|----------------------------|--------------|
| GENERAL EDUCATION REQUIREMENTS/OHIO TRANSFER 36 | | |
| Any Ohio Transfer 36 approved First Writing (TME001) course | ENG 11011 | 3 |
| Calculus I (TMM005) | MATH 12002 | 5 |
| Any Ohio Transfer 36 approved Arts and Humanities course | Ohio Transfer 36 Elective* | 3 |
| Any Ohio Transfer 36 approved Arts and Humanities course | Ohio Transfer 36 Elective* | 3 |
| Any Ohio Transfer 36 approved Social and Behavioral Sciences course | Ohio Transfer 36 Elective* | 3 |
| Any Ohio Transfer 36 approved Social and Behavioral Sciences course | Ohio Transfer 36 Elective* | 3 |
| General Chemistry I with lab (OSC008) | CHEM 10060 and CHEM 10062 | 5 |
| General Chemistry II with lab (OSC009) | CHEM 10061 and CHEM 10063 | 5 |
| Any Ohio Transfer 36 approved Second Writing (TME002) course | ENG 21011 | 3 |
| Ohio Transfer 36 approved elective [Recommended: Calculus-Based Physics I with lab (OSC016) or Algebra-Based Physics I with lab (OSC014)] ¹ | PHY 13001 and PHY 13021 | 5 |
| Up to 4 additional hours of Ohio Transfer 36 approved courses | Ohio Transfer 36 Elective* | 4 |
| PRE-MAJOR/BEGINNING MAJOR | | |
| Physical Geology with lab (OSC025) | ESCI 11040 and ESCI 11041 | 4 |
| Historical Geology with lab (OSC026) | ESCI 11042 and ESCI 11043 | 4 |
| OTHER RECOMMENDATIONS | | |
| General Electives as needed (May include FYE or Orientation course) | Varies* | 10 |
| TOTAL HOURS FROM ASSOCIATE DEGREE: | | 60-65 |
| Advising Notes: (*) Indicates that coursework will be evaluated for applicable equivalency upon transfer at the university. If a Transfer Assurance Guide (TAG) course is taken, the approved course equivalency will be awarded. ¹ The B.S. in Geology at Kent State University requires Algebra-Based Physics I with lab (OSC014). If this is not completed during the associate degree, it will need to be taken upon transfer. | | |

SPECIAL NOTES

Students with plans of pursuing a pre-professional or graduate studies track in the future should work closely with their academic advisor and receiving institution starting in the first year of their program in order to adequately prepare themselves for those types of tracks. Some pre-professional degrees include pre-medicine, pre-veterinary, pre-law, and pre-dentistry.

The following additional coursework will be required to complete the Bachelor of Science in Geology degree at Kent State University after a student has completed an Associate of Science Ohio Guaranteed Geology Transfer Pathway degree. Kent State University also offers an optional concentration in Environmental Geology as well as a Bachelor of Arts in Geology. Please refer to the last page of this document for more information about the optional concentration and the Bachelor of Arts. Some bachelor-degree granting programs may be competitive and admission into the program is not guaranteed. Students should check with individual institutions for their program admission requirements.

| REMAINING COURSEWORK TO COMPLETE BACHELOR'S DEGREE | | Course Number | Credit Hours |
|--|---|--------------------------|--------------|
| University Requirement: | Domestic Diversity Course (if not already completed during the associate degree) ¹ | Varies | 0-3 |
| University Requirement: | Global Diversity Course (if not already completed during the associate degree) ¹ | Varies | 0-3 |
| College Requirement: | Foreign Language - Elementary I and II | Varies | 8 |
| Major Requirement: | Degree and Career Paths in Geology (ELR) | ESCI 22000 | 1 |
| Major Requirement: | Earth Materials I | ESCI 23063 | 4 |
| Major Requirement: | Earth Materials II | ESCI 31070 | 4 |
| Major Requirement: | Structural Geology | ESCI 31080 | 4 |
| Major Requirement: | Principles of Paleontology | ESCI 34061 | 4 |
| Major Requirement: | Summer Field Camp | ESCI 41092 | 6 |
| Major Requirement: | Sedimentology and Stratigraphy | ESCI 44070 | 4 |
| Major Requirement: | Scientific Methods in Geology or Basic Probability and Statistics | ESCI 42035 or MATH 30011 | 3 |
| Major Requirement: | Biological Diversity or Life on Planet Earth | BSCI 10110 or BSCI 10002 | 3-4 |
| Major Requirement: | Geology Electives (upper-division) | Varies | 15-16 |
| General Electives: | General Electives ² | Varies | 3-5 |
| REMAINING COURSEWORK TO COMPLETE BACHELOR'S DEGREE TOTAL:³ | | | 59-60 |

Advising Notes:

Completion of the Ohio Transfer 36 will satisfy the entire set of Kent Core requirements.

¹ Students must complete the Kent State diversity course requirement, which includes one course with a domestic diversity focus and one course with a global diversity focus from the approved list. These can often be fulfilled as part of the associate degree with careful course selection. Please work with your advisor to identify appropriate courses.

² The College of Arts and Sciences requires that students successfully complete a minimum of 39 upper-division credit hours.

³ Kent State requires a total of 120 credits hours for bachelor's degree completion. The total number of hours to complete the bachelor's degree represents a range of hours that may be needed depending on the individual course selections made during the associate degree program.

| COMPLETE BACHELOR'S DEGREE | Total Credit Hours |
|---------------------------------|--------------------|
| BACHELOR'S DEGREE TOTAL: | 120 |

SPECIAL NOTES

For more information, please contact:

Department of Geology
pathways@kent.edu
www.kent.edu/geology

SAMPLE DEGREE MAP

THIRD YEAR

| SEMESTER 5 | | SEMESTER 6 | |
|--|--------------|---|--------------|
| Course Name & Number | Credit Hours | Course Name & Number | Credit Hours |
| ESCI 23063 Earth Materials I | 4 | ESCI 31070 Earth Materials II | 4 |
| ESCI 31080 Structural Geology | 4 | ESCI 42035 Scientific Methods in Geology or MATH 30011 Basic Probability and Statistics | 3 |
| BSCI 10110 Biological Diversity or BSCI 10002 Life on Planet Earth | 3-4 | Foreign Language - Elementary II | 4 |
| Foreign Language - Elementary I | 4 | Geology Elective (upper-division) | 3 |
| ESCI 22000 Degree and Career Paths in Geology (ELR) | 1 | | |
| Total Semester 5 Credit Hours | 16-17 | Total Semester 6 Credit Hours | 14 |

SUMMER

| Course Name & Number | Credit Hours |
|----------------------------------|--------------|
| ESCI 41092 Summer Field Camp | 6 |
| Total Summer Credit Hours | 6 |

FOURTH YEAR

| SEMESTER 7 | | SEMESTER 8 | |
|---------------------------------------|--------------|---|--------------|
| Course Name & Number | Credit Hours | Course Name & Number | Credit Hours |
| ESCI 34061 Principles of Paleontology | 4 | ESCI 44070 Sedimentology and Stratigraphy | 4 |
| Geology Elective (upper-division) | 3 | Geology Elective (upper-division) | 3 |
| Geology Elective (upper-division) | 3-4 | Geology Elective (upper-division) | 3 |
| General Elective | 2 | General Elective | 2 |
| Total Semester 7 Credit Hours | 12-13 | Total Semester 8 Credit Hours | 12 |



Kent State University
Geology
Bachelor of Science

Effective beginning Academic Year 2022-23 (Last revised July 21, 2023)

The Geology major includes the **Environmental Geology optional concentration**. The Environmental Geology optional concentration provides students with specialized training for careers in the well-established and growing field of environmental geology, including water resources, resource management and energy resources. The concentration's curriculum focuses on hydrology, hydrogeology, engineering geology and environmental monitoring techniques. Please consult the KSU catalog for Environmental Geology Concentration Requirements.

Kent State University also offers a Bachelor of Arts degree in Geology. The BA in Geology prepares graduates for employment in a wide variety of careers where an understanding of the natural sciences is useful or critical for success. Students interested in the BA will need to complete different required courses. Interested students should contact pathways@kent.edu.