

TRANSFER PATHWAY GUIDE

2022-2023

Associate of Science in Geology at Sinclair College to a
Bachelor of Science in Geology at Northern Kentucky University

Overview

Completion of the following curriculum will satisfy the requirements for the Associate of Science (AS) in Geology degree at Sinclair College and leads to the Bachelor of Science (BS) in Geology degree at Northern Kentucky University (NKU).

Degree Requirements for Sinclair College

To earn a degree at Sinclair College, a student must complete a minimum of 60 credit hours, attain a minimum cumulative GPA of 2.0, and earn a minimum of 20 credit hours at Sinclair College.

Admission Requirements for NKU

Students completing an associate degree with a cumulative GPA of 2.0 or higher will be accepted into NKU.

Tuition and Scholarships

For information on tuition and scholarships, please visit <https://nku.edu/admissions/adult/online.html>

NKU Contact

For more information, students should contact Joel W. Vanhooose, Transfer Pathway Coordinator, at vanhooosej2@nku.edu.

Degree Requirements for NKU

To earn a bachelor's degree at NKU, students must complete a minimum of 120 credit hours with at least 45 credit hours numbered 300 and above. In addition, at least 25% of the credit hours required for the degree and the last 30 credit hours must be completed at NKU. Students must have an overall GPA of 2.0 and meet all prerequisites for courses and requirements for the major. Due to the interdisciplinary nature of this program, a minor is not required for the BS in geology.

SINCLAIR COLLEGE AS IN GEOLOGY TO NKU BS IN GEOLOGY CHECKLIST

Sinclair College

Category 1: Sinclair Requirements for the AS in Geology

| Sinclair Course | Course or Category | Credits | NKU Course | Completed |
|-----------------|---|-----------|--------------|-----------|
| CHE 1211 | General Chemistry I | 5 | CHE 120/120L | |
| CHE 1221 | General Chemistry II | 5 | CHE 121/121L | |
| CHE 1251 | Lab for General Chemistry I | 0 | CLAB100G | |
| CHE 1261 | Lab for General Chemistry II | 0 | CLAB200G | |
| COM 2211 | Effective Public Speaking | 3 | CMST 101 | |
| ENG 1101 | English Composition I | 3 | ENG 101 | |
| GLG 1101 | Physical Geology | 4 | GLY 110 | |
| GLG 1111 | Physical Geology Laboratory | 0 | GLAB100G | |
| GLG 1201 | Historical Geology | 4 | GLY 115 | |
| GLG 1211 | Historical Geology Laboratory | 0 | GLAB100G | |
| MAT 2270 | Calculus & Analytic Geometry I | 5 | MAT 129 | |
| MAT 2280 | Calculus & Analytic Geometry II | 5 | MAT 229 | |
| MET 1131 | Personal Computer Applications for Engineering Technology | 1 | EGT 100T | |
| PHY 2201 | General Physics I | 5 | PHY 220 | |
| PHY 2202 | General Physics II | 5 | PHY 222 | |
| PHY 2207 | Lab for General Physics I | 0 | PLAB200G | |
| PHY 2208 | Lab for General Physics II | 0 | PLAB200G | |
| TBS XXX | Multicultural Elective | 3 | TBD XXX | |
| TBS XXX | Ohio Transfer 36: Arts & Humanities Elective | 6 | TBD XXX | |
| TBS XXX | Ohio Transfer 36: Social & Behavioral Sciences Elective | 6 | TBD XXX | |
| | Total Associate Degree Hours | 60 | | |

TBS XXX means to be selected by Sinclair College student.

TBD XXX means to be determined by NKU based on course selected at Sinclair College.

Northern Kentucky University

Category 2: NKU Major Requirements for the BS in Geology

| NKU Course | Course | Credits | Sinclair Course | Taken at Sinclair |
|--|--|---------|---|-------------------|
| CHE 120/120L | General Chemistry I with Lab | 4 | CHE 1211 | x |
| CHE 121/121L | General Chemistry II with Lab | 4 | CHE 1221 | x |
| GLY 100 | Careers in Geoscience | 1 | | |
| GLY 110 | Earth Science with Lab | 4 | GLG 1101 | x |
| GLY 115 | History of the Earth | 3 | GLG 1201 | x |
| GLY 315 | Structural Geology with Lab | 4 | | |
| GLY 330 | Geomorphology with Lab | 4 | | |
| GLY 335 | Mineralogy and Petrology | 4 | | |
| GLY 340 | Introduction to Environmental Geoscience | 3 | | |
| GLY 360 | Environmental Geophysics | 4 | | |
| GLY 415 | Earth Science Applications of GIS | 3 | | |
| GLY 420 | Stratigraphy and Sedimentation with Lab | 4 | | |
| GLY 425 | Economic Geology | 4 | | |
| GLY 450 | Hydrogeology | 4 | | |
| Select 1: GLY 120 GLY 125 GLY 130 | Select one course from the following: This Dangerous Earth Prehistoric Life Geology of National Parks | 3 | | |
| Select 9 cr: GLY 325 GLY 341 GLY 392 GLY 394 GLY 416 GLY 435 GLY 445 GLY 455 GLY 461 GLY 496 | Select 9 credits of electives from the following: Geology of the Planets (3 cr) Soil Science (3 cr) Directed Research: Geology (1-4 cr) Seminar: Geology (1 cr) Geologic Field Methods (3 cr) Petrology and Petrography (4 cr) Geophysical Modeling (3 cr) Groundwater Resources and Management with Lab (4 cr) Ecology and Geology of Coral Reefs (4 cr) Externship: Geology (1-3 cr) | 9 | | |
| MAT 119 | Precalculus | 3 | MAT 1570 or MAT 1580 or waived by MAT 2270 | x |
| MAT 128 or MAT 129 or STA 205 | Calculus A or Calculus I or Statistical Methods | 3-4 | MAT 2270 or MAT 1450 | x |

| NKU Course | Course | Credits | Sinclair Course | Taken at Sinclair |
|-------------------|--|----------------|--------------------------------|--------------------------|
| PHY 211 | General Physics I with Lab | 4 | PHY 1141 or waived by PHY 2201 | x |
| PHY 213 | General Physics II with Lab | 4 | PHY 1142 or waived by PHY 2201 | x |
| | Total NKU Major Credit Hours | 77 | | |
| | Less Major Credit Hours from Sinclair | 30 | | |
| | Subtotal Major Credit Hours at NKU | 47 | | |

Category 3: Additional Requirements at NKU

| NKU Course | Course | Credits | Sinclair Course | Taken at Sinclair |
|-------------------|---|----------------|------------------------|--------------------------|
| | Subtotal Elective (some 300/400 level) Hours | 13 | | |
| | Total Baccalaureate Degree Credit Hours | 120 | | |

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