

TRANSFER PATHWAY GUIDE

2024-2025

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 Kim McCoy, Assistant Director of Transfer Services, at mccoyk8@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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