



TRANSFER PATHWAY GUIDE 2025-2026

Associate in Science to
Bachelor of Science in Geology

Overview

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

Applying to the Gateway2NKU Program

Students can apply to participate in the pathway program by completing the online application on the NKU transfer webpage. Students must be enrolled in at least six credit hours at Gateway, enrolled in an associate degree program, plan to transfer to NKU, and maintain a minimum 2.0 cumulative GPA at Gateway.

Degree Requirements for GCTC

1. Completion of minimum 60 credit hours
2. Minimum cumulative GPA 2.0
3. Minimum of 15 credit hours earned at the institution awarding the degree
4. Demonstration of digital literacy
5. College success requirement

Admission Requirements to NKU

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

Degree Requirements for NKU

To earn a bachelor's degree at NKU, students must:

1. Complete a minimum of 120 credit hours
2. Complete at least 25% of the credit hours at NKU
3. Complete the last 30 credit hours at NKU
4. Complete at least 45 credit hours numbered 300 or above

5. Minimum 2.0 GPA cumulative GPA across all major coursework
6. Meet all requirements for the major
7. Completion of a focus, minor, or second major (if required by the major)

General Transfer Information

Students must complete the online application to NKU. There is no application fee for students who are transferring from GCTC.

KCTCS Scholars Award: Students who are KY residents transferring directly from a KCTCS institution with at least 36 hours from that institution and minimum GPA of 3.0, were never enrolled as a degree-seeking student at NKU, and will be enrolled in at least 12 credit hours both fall and spring semester are eligible for a limited number of annual scholarships (fall and spring only). Students must gain admission to NKU by June 15 for fall and November 1 for spring to be eligible for a possible scholarship. Online accelerated programs are not eligible for the KCTCS Scholars Award.

Tuition and scholarship information specific to transfer students can be viewed on the NKU Adult & Transfer Center website.

GCTC AS TO NKU BS IN GEOLOGY CHECKLIST

Gateway Community and Technical College

Category 1: GCTC General Education Core Requirements

GCTC Course	Course or Category	Credits	NKU Course	Completed
ENG 101	Writing I (WC)	3	ENG 101	
ENG 102	Writing II (WC)	3	ENG 102	
TBS XXX	Oral Communication (OC)	3	TBD XXX	
TBS XXX	Arts & Humanities (AH) – Heritage	3	TBD XXX	
TBS XXX	Arts & Humanities (AH) – Humanities	3	TBD XXX	
TBS XXX	Social & Behavioral Science (SB)	3	TBD XXX	
TBS XXX	Social & Behavioral Science (SB)	3	TBD XXX	
CHE 170/CHE 175*	General College Chemistry I and General College Chemistry I Laboratory (SL)	5	CHE 120/CHE 120L	
GLY 130	Dinosaurs and Disasters (NS)	3	GLY 125	
MAT 171	Pre-Calculus (QR)	5	MAT 119	
STA 220	Statistics (QR)	3	STA 205	
	Subtotal General Education Core Courses	37		

TBS XXX means to be selected by GCTC student.

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

For Social and Behavioral Sciences courses, two disciplines must be represented and different from those in the Arts and Humanities category.

*Lab must be completed in person.

Category 2: GCTC AS Requirements

GCTC Course	Course or Category	Credits	NKU Course	Completed
PHY 201/PHI 202	College Physics I and College Physics I Laboratory	5	PHY 211	
	Subtotal AS Requirement Courses	5		

Category 3: GCTC Electives

GCTC Course	Course or Category	Credits	NKU Course	Completed
FYE 105 or FYE 110	Achieving Academic Success or First Year Experience and Applications	5	UNV 100T	

GCTC Course	Course or Category	Credits	NKU Course	Completed
CIT 105 or OST 105*	Introduction to Computers or Introduction to Computer Information Systems	3	INF 101	
Taken at NKU	Careers in Geoscience	1	GLY 100	
GLY 101 and GLY 111	Physical Geology with Lab	4	GLY 110	
Taken at NKU	History of the Earth	3	GLY 115	
Taken at NKU	Select a course within the GLY major	4		
	Subtotal Elective Courses	18		
	Total Associate Degree Hours	60		

*If completing digital literacy using other means (like FYE 110), additional credits will be required in order to fulfill elective requirements.

Northern Kentucky University

Category 4: NKU Major Requirements for the BS in Geology

NKU Course	Course	Credits	GCTC Course	Taken at GCTC
CHE 120/120L	General Chemistry I with Lab	4	CHE 170/CHE 175	x
MAT 119	Precalculus	3	MAT 171	x
MAT 128 or MAT 129 or STA 205	Calculus A or Calculus I or Statistical Methods	3-4	MAT 175 or STA 220	x
PHY 211	General Physics I with Lab	4	PHY 201/PHY 202	x
GLY 100	Careers in Geoscience	1	Taken at NKU	x
GLY 110	Earth Science with Lab	4	GLY 101/GLY 111	x
GLY 115	History of the Earth	3	Taken at NKU	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 415	Earth Science Applications of GIS	3		
GLY 420	Stratigraphy and Sedimentation with Lab	4		
GLY 450	Hydrogeology	4		
Select 2: GLY 120 GLY 125 GLY 130 GLY 295	Select two course from the following: This Dangerous Earth Prehistoric Life Geology of National Parks Study Abroad Geology	6	GLY 110/114 GLY 130 GLY 125	x
Select 17 cr: GLY 325	Select 17 credits of electives from the following: Geology of the Planets (3 cr)	17		

NKU Course	Course	Credits	GCTC Course	Taken at GCTC
GLY 341	Soil Science (3 cr)			
GLY 360	Environmental Geophysics (4 cr)			
GLY 392	Directed Research: Geology (1-4 cr)			
GLY 394	Topics: Geology (1-3 cr) (can take 6 cr as long as they are different subjects)			
GLY 402	Paleontology (4 cr)			
GLY 416	Geologic Field Methods (3 cr)			
GLY 425	Economic Geology (4 cr)			
GLY 435	Petrology and Petrography (4 cr)			
GLY 445	Geophysical Modeling (3 cr)			
GLY 461	Ecology and Geology of Coral Reefs (4 cr)			
GLY 496	Externship: Geology (1-3 cr)			
GEO 415	Cartography (3 cr)			
GEO 418	Geographic Information Systems (4 cr)			
GEO 418	Remote Sensing of Environment (3 cr)			
ANT 315	Archaeological Excavation Methods (3-4 cr)			
ANT 355	Archaeology Laboratory Analysis (3 cr)			
	Subtotal Major Credit Hours at NKU	42		
	Subtotal Credit Hours at GCTC	60		
	Total Major Credit Hours	71-72		

Category 5: Additional Requirements at NKU

NKU Course	Course	Credits	GCTC Course	Taken at GCTC
	Subtotal Elective (300/400 level) Hours	18		
	Total Baccalaureate Degree Credit Hours	120		

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