TWO DEGREES, ONE PATH

TRANSFER PATHWAY GUIDE
2023-2024

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) cultural competence course, 5) demonstration of digital literacy, 6) 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 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.

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 $2,500 annual scholarships ($1,250 per fall and spring). 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.

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 101/GLY 111	Physical Geology and Physical Geology Laboratory (SL)	4	GLY 110	
MAT 171	Pre-Calculus (QR)	5	MAT 119	
MAT 175	Calculus I (QR)	5	MAT 129	
	Subtotal General Education Core Courses	**40**		

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.

Category 2: GCTC Electives

GCTC Course	Course or Category	Credits	NKU Course	Completed
FYE 105	Achieving Academic Success	3	UNV 100T	
CIT 105 or OST 105	Introduction to Computers or Introduction to Information Systems	3	BIS 101	
GLY 110/114 or GLY 125 or Taken at NKU	Environmental Geology with Lab or Geology of the National Parks and Monuments or Prehistoric Life	3-4	GLY 120/120L or GLY 130 GLY 125	
PHY 201/PHY 202	College Physics I and College Physics I Laboratory	5	PHY 211	
Taken at NKU	History of the Earth	3	GLY 115	
CHE 180/CHE 185	General College Chemistry II and General College Chemistry II Laboratory	5	CHE 121/ CHE 121L	
	Subtotal Elective Courses	**22-23**		
	Total Associate Degree Hours	**62-63**		

Degree Requirement: One course must be selected from the KCTCS identified Cultural Competence course list in the KCTCS catalog.

Northern Kentucky University

Category 3: 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
CHE 121/121L	General Chemistry II with Lab	4	CHE 180/CHE 185	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	x
PHY 211	General Physics I with Lab	4	PHY 201/PHY 202	x
PHY 213	General Physics II with Lab	4	PHY 203/PHY 204	
GLY 100	Careers in Geoscience	1		
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 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	GLY 110/114 Taken at NKU GLY 125	x
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) Topics: Geology (1-3 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		

NKU Course	Course	Credits	GCTC Course	Taken at GCTC
	Subtotal Major Credit Hours at NKU	**48**		
	Subtotal Major Credit Hours at GCTC	**29**		
	Total Major Credit Hours	**77**		

Category 4: Additional Requirements at NKU

NKU Course	Course	Credits	GCTC Course	Taken at GCTC
	Subtotal Elective (300/400 level) Hours	**9**		
	Total Baccalaureate Degree Credit Hours	**120**		

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