



TWO DEGREES, ONE PATH

TRANSFER PATHWAY GUIDE 2025-2026

Associate of Applied Science in Environmental Science Technology to
Bachelor of Science in Environmental Science

Overview

Completion of the following curriculum will satisfy the requirements for the Associate of Applied Science (AAS) in Environmental Science Technology at a Kentucky Community and Technical College System (KCTCS) institution and leads to the Bachelor of Science (BS) in Environmental Science at Northern Kentucky University (NKU).

Applying to the KCTCS2NKU 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 their KCTCS institution, enrolled in an associate degree program, plan to transfer to NKU, and maintain a minimum 2.0 cumulative GPA at their KCTCS institution.

Degree Requirements for KCTCS

1) Minimum cumulative GPA 2.0, 2) minimum of 25 percent of credit hours required for the degree earned at the institution awarding the degree, and 3) demonstration of digital literacy.

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 including a grade of C- or better in all courses required for the major. A minor is not required for this major.

General Transfer Information

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

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.

**KCTCS AAS IN ENVIRONMENTAL SCIENCE TECHNOLOGY TRACK TO
NKU BS IN ENVIRONMENTAL SCIENCE CHECKLIST**

Kentucky Community and Technical College System

Category 1: KCTCS General Education Requirements

KCTCS Course	Course or Category	Credits	NKU Course	Completed
ENG 101	Writing I (WC)	3	ENG 101	
ENG 102	Writing II	3	ENG 102	
COM 181 or COM 252	Basic Public Speaking (OC) or Introduction to Personal Communication	3	CMST 101 or CMST 220	
MAT 150	College Algebra (QR)	3	(MAT 102 or MAT 103) + MAT 100T	
TBS XXX	Social & Behavioral Sciences (SB)	3	TBD XXX	
TBS XXX	Arts & Humanities (AH) - Heritage or Humanities	3	TBD XXX	
	Subtotal General Education Courses	18		

TBS XXX means to be selected by KCTCS student.

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

A grade of A or B in MAT 150 equates to MAT 103 + MAT 100T. Grade of C or D in MAT 150 equates to MAT 102 + MAT 100T.

Category 2: KCTCS Technical Core Requirements for the AAS in Environmental Science Technology

KCTCS Course	Course or Category	Credits	NKU Course	Completed
TBS XXX	Digital Literacy	3	TBD XXX	
CIT 125 or GIS 120*	Intro to Digital Maps or Intro to Geographic Information Systems	3	GEO 100T	
BIO 150/151	Principles of Biology I and Lab Note: BIO 112 will be waived.	5	BIO 150/150L	
EST 140/141	Intro to Ecology and Lab	4	BIO 304/304L	
CHE 170/175	General College Chemistry and Lab	5	CHE 120/120L	
EST 160/161	Hydrologic Geology and Lab	4	GLY 110/110L	
EST 170	Environmental Sampling Lab	2	UND 100T	
EST 220	Pollution of Aquatic Ecosystems	3	ENV 130	
EST 230	Aquatic Chemistry Lab	2	ENV 130L	
EST 240	Sources and Effects of Air Pollution	4	UND 100T	
EST 250	Solid and Hazardous Waste Management	3	UND 200T	
EST 260	Environmental Analysis Lab	2	UND 100T	
EST 270	Environmental Law and Regulation	3	PSC 200T	

KCTCS Course	Course or Category	Credits	NKU Course	Completed
EST 290	Applied Projects in Environmental Science Technology	2		
TBS XXX	Technical Elective – Choose from list in catalog Recommended: CHE 180/185 Gen. College Chem II w/ Lab STA 220 Statistics	3	TBD XXX (CHE 121/121L or STA 205)	
	Subtotal Technical Core Courses	48		
	Total Associate Degree Hours	66		

*Student does not need to take GEO 418 if they've taken GIS 120.

Category 3: Additional KCTCS Requirements for Core General Education Certification

In addition to completing the requirements of the AAS degree, students can complete additional courses from the following categories in order to satisfy the general education requirements at NKU. If a student completes the AAS degree and transfers on to NKU without having to complete these courses, they will need to take four general education courses in addition to the required major courses.

GCTC Course	Course or Category	Credits	NKU Course	Completed
TBS XXX	Arts & Humanities (AH) - Heritage or Humanities – whichever not completed in Category 1	3	TBD XXX	
TBS XXX	Social & Behavioral Science (SB) – different discipline from Category 1	3	TBD XXX	
TBS XXX	Quantitative Reasoning or Social Behavioral (May be fulfilled by STA 220)	3	TBD XXX	
	Subtotal General Education Credit Hours	9		

Northern Kentucky University

Category 4: NKU Additional General Education Courses

NKU Course	Course or Category	Credits	KCTCS Course	Taken at KCTCS
TBS XXX	Self and Society	6		
TBS XXX	Culture and Creativity	3		
TBS XXX	Global Viewpoints	3		
	Subtotal General Education Credit Hours	12		

Category 5: NKU Major Requirements for BS in Environmental Science

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
BIO 150/150L	Introduction to Biology I with Lab	4	BIO 114/115 or BIO 150/151	x
BIO 151/151L	Introduction to Biology II with Lab	4	BIO 116/117 or BIO 152/153	
BIO 291W	Advanced Writing in Biology	3		
BIO 304/304L	General Ecology with Lab	4	EST 140/141	x
CHE 120/120L	General Chemistry I with Lab	4	CHE 170/175	x
CHE 121/121L	General Chemistry II with Lab	4	CHE 180/185	(may be completed)
CHE 310/310L	Organic Chemistry I with Lab	4	CHE 230/231 or CHE 270/275	
ENV 110	Introduction to Environmental Science and Issues	3	BIO 122 or ENV 144	
ENV 115	Orientation to Env. Science Careers	1		
ENV 306	Sustainable Resource Management	3		
ENV 332	Visualizing Environmental Data in R	3		
ENV 493	Seminar: Environmental Science	1		
GEO 418*	Geographic Information Systems	4		
GLY 110	Earth Science with Laboratory	4	EST 160 + EST 161	x
PHY 211	General Physics with Laboratory I	4	PHY 201/202 or PHY 211 or PHY 217	
PHY 213	General Physics with Laboratory II	4	PHY 203/204 or PHY 213	
STA 205	Statistical Methods	3	STA 220 or (MAT 151 or MAT 161 or STA 151) + STA 251	(may be completed)
Select 2: GLY 330 GLY 340 GLY 360 GLY 415 GLY 350 GLY 461	Select two courses from the following: Geomorphology with Laboratory Introduction to Environmental Geoscience Environmental Geophysics Earth Science Applications of GIS Hydrogeology Ecology and Geology of Coral Reefs	3-4		

Select 1: BIO 406/406L ENV 130/130L ENV 294 ENV 308 ENV 324 ENV 325 ENV 350	Select one course from the following: Ecosystem Ecology with Lab Water and People with Lab Topics in Environmental Science Science Communication Disease Ecology Human Health Environmental Law and Policy Environmental Toxicology	6-8	EST 220 + EST 230	x
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*Student does not need to take GEO 418 if they've taken GIS 120.

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
ENV 394 ENV 408/408L TBS XXX	Topics: Environmental Science Ecology of the City with Lab Other Course Approved by Prog. Director			
TBS XXX	One 3-credit-hour internship or directed research	3		
	Subtotal Major Credit Hours at NKU	77-86		
	Subtotal Major Credit Hours at KCTCS	20		
	Total Major Credit Hours	74		

Category 6: Additional Requirements at NKU

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
	Subtotal Minor Credit Hours Taken at NKU	8-14		
	Subtotal Elective (300/400 level) Hours	0		
	Total Baccalaureate Degree Credit Hours	140		

A minor in biology, chemistry, geology, geography, geographic information systems, mathematics, or statistics (The requirements for the minor beyond the 8-14 credit hours are completed as part of the environmental science major.)

Additional credit hours at the 300/400 level may be needed to meet graduation requirements.

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