



TWO DEGREES, ONE PATH

TRANSFER PATHWAY GUIDE 2023-2024

Associate of Applied Science in Environmental Science Technology to
Bachelor of Arts 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 Arts (BA) 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 BA 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.

Note: It is recommended that students work with an advisor to select general education courses as some of the track requirements or pre-requisite courses for the BA degree may count toward general education.

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 with 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	

KCTCS Course	Course or Category	Credits	NKU Course	Completed
EST 260	Environmental Analysis Lab	2	UND 100T	
EST 270	Environmental Law and Regulation	3	PSC 200T	
EST 290	Applied Projects in Environmental Science Technology	2		
TBS XXX	Technical Elective – Choose from list in catalog Recommended: STA 220 Statistics	3	TBD XXX STA 205	
	Subtotal Technical Core Courses	48		
	Total Associate Degree Hours	66		

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.

Note: It is recommended that students work with an advisor to select general education courses as some of the track requirements or pre-requisite courses for the BA degree may count toward general education

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

Note: It is recommended that students work with an advisor to select general education courses as some of the track requirements or pre-requisite courses for the BA degree may count toward general education

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 BA in Environmental Science

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
ENV 110	Introduction to Environmental Science and Issues	3	BIO 122 or ENV 144	
ENV 115	Orientation to Env. Science Careers	1		
ENV 130	Water and People	3	EST 220	x
ENV 308	Science Communication	3		
ENV 396 or ENV 492	Internship: Environmental Science or Directed Research: Environmental Science	3		
ENV 493	Seminar: Environmental Science	1		
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
GEO 306 or GEO 418	Environmental Resource Management or Geographic Information Systems	3-4		
GLY 120	This Dangerous Earth	3	Waived if completed EST 160/EST 161	x
PHI 360	Environmental Philosophy	3		
LDR 460	Leading in Diverse and Global Contexts	3		
SOC 355 or ANT 345	Sociology of the Environment or Environmental Anthropology	3		
STA 205	Statistical Methods	3	STA 220 or (MAT 151 or MAT 161 or STA 151) + STA 251	(may be completed)
Choose 2: ANT 325 ANT 340 ANT 342 BIO 342 ENG 546	Choose 2 methods and skills courses: Applied Anthropology Ethnographic Methods and Research Quantitative Methods in Anthropology Biometry Grant Writing	6		(may have 3 hours completed)

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
ENV 332	Visualizing Environmental Data in R		(GIS 110)	
GEO 314	Maps and Map Interpretation			
GEO 415	Cartography			
GEO 419	Remote Sensing of Environment			
GEO 518	Geographic Information Analysis			
LDR 315	Leading People in Organizations			
LDR 381	Organizational Ethics and Decision Making			
LDR 385	Teamwork in Organizations			
PAD 420	Managing the Not-For-Profit Organization			
PAD 511	Budgeting Techniques and Applications			
PHI 302	Ethics and Scientific Research			
PRE 385	Public Relations Research Methods			
SOC 319	Managing and Analyzing Databases			
SOC 320	Social Research			
SOC 322	Qualitative Research Methods			
	Choose one for the following tracks (see categories 7-10 for details). At least 15 credit hours must be 300/400 level: Nature, Culture, and Social Justice Urban Sustainability Environmental Communication Health, Community, and Environment	18-20		
	Subtotal Major Credit Hours at NKU	57-60		
	Subtotal Major Credit Hours at KCTCS	18		
	Total Major Credit Hours	75-78		

Category 6: Additional Requirements at NKU

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
	Subtotal Minor Credit Hours Taken at NKU	N/A		
	Subtotal Elective (300/400 level) Hours	0-1		
	Total Baccalaureate Degree Credit Hours	135-140		

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

Category 7: NKU Requirements for the Nature, Culture, and Social Justice Track

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
	Choose 6 courses from the following:			
ANT 309	Peoples of Africa	3		

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
ANT 318	Prehistoric Ecology	3		
ANT 330	Sex, Gender, and Culture	3		
ANT 345	Environmental Anthropology	3		
ANT 372	Peasant Societies	3		
ANT 386	Economy, Wealth and Culture	3		
ENG 316	Social Issues in Literature	3		
ENG 326	Literature and the Environment	3		
ENG 338	Writing for Social Change	3		
GEO 309	Environmental History: American Landscape	3		
GEO 422	Landscape Preservation and National Parks	3		
PSC 445	Sustainability	3		
SOC 345	Native American Social Issues	3		
SOC 355	Sociology of the Environment	3		
SOC 371	Environment, Society, and Public Health	3		
SWK 204	Social Work Ethics	3		
	Subtotal Track Credit Hours at NKU	18		

Category 8: NKU Requirements for the Urban Sustainability Track

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
ENV 408/408L	Ecology of the City	4		
	Choose 5 courses from the following:			
ANT 345	Environmental Anthropology	3		
CMGT 323	Land Planning and Development	3		
CMGT 425	Sustainable Construction	3		
CMST 340	Strategies of Persuasion	3		
ECO 101	Principles of Microeconomics	3	ECO 201	
ENV 332	Visualizing Environmental Data in R	3		
GEO 306	Environmental Resource Management	3		
GEO 309	Environmental History: American Landscape	3		
GEO 340	Sustainable Food Systems	3		
GEO 345	Geography of Natural Hazards	3		
GEO 418	Geographic Information Systems	4		
MGT 300	Behavior in Organizations: Understanding Organizational Life	3		
MGT 306	Project Management	3		
PAD 560	Planning and Community Development	3		
PAD 561	Local Economic Development	3		
PAD 582	Emergency Management	3		
SOC 371	Environment, Society, and Public Health	3		
SOC 400	Urban Society	3		

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
SOC 415	Sociology of Planning and Development	3		
Subtotal Track Credit Hours at NKU		19-20		

Category 9: NKU Requirements for the Environmental Communication Track

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
	Choose 6 courses from the following:	3		
CMST 230	Small Group Communication	3	COM 281	
CMST 303	Organizational Communication	3		
CMST 330	Political Communication	3		
CMST 340	Strategies of Persuasion	3	COM 287	
CMST 370	Advanced Public Speaking	3		
CMST 381	Computer-Mediated Communication	3		
EDU 445	Introduction to Environmental Education	3		
EDU 446	Strategies for Environmental Education	3		
EDU 447	Outdoor Learning Environments	3		
ENG 316	Social Issues in Literature	3		
ENG 326	Literature and the Environment	3		
ENG 338	Writing for Social Change	3		
JOU 220	News Writing	3	JOU 204	
JOU 230	News Reporting and Writing	3		
JOU 305	Science in the Media	3		
JOU 325	Photojournalism	3		
JOU 440	Current Topics in Media Ethics	3		
JOU 450	Media Skills	3		
PRE 275	Principles of Public Relations	3		
PRE 376	Public Relations Writing	3		
PRE 377	Public Relations Case Studies and Campaigns	3		
Subtotal Track Credit Hours at NKU		18		

Category 10: NKU Requirements for the Health, Community, and Environment Track

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
ENV 324	Disease Ecology and Human Health	3		
	Choose 5 courses from the following:			
ANT 321	Medical Anthropology	3		
ANT 322	Health and Disease in Past Societies	3		
CMST 403	Health Communication	3		

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
ENV 332	Visualizing Environmental Data in R	3		
ENV 350	Environmental Toxicology	3		
HEA 125	Foundations of Health Ed & Promotion	3		
HEA 230	Personal Health and Wellness	3	KHP 150	
HEA 370	Community Health	3		
HIN 101	Introduction to Health Informatics	1		
HIN 355	Foundations of Health Informatics	3	HIT 100	
HIN 356	Health Information Management	3		
PAD 560	Planning and Community Development	3		
PHI 220	Health Care Ethics	3	PHI 110	
SOC 340	Population	3	SOC 260	
SOC 342	Sociology of Aging	3		
SOC 355	Sociology of the Environment	3		
SOC 371	Environment, Society, and Public Health	3		
SOC 450	Medical Sociology	3		
SOC 480	Global Aging Issues and Policies	3		
	Subtotal Track Credit Hours at NKU	18		

Updated April 2023