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## TWO DEGREES, ONE PATH

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### **TRANSFER PATHWAY GUIDE 2022-2023**

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**

<b>KCTCS Course</b>	<b>Course or Category</b>	<b>Credits</b>	<b>NKU Course</b>	<b>Completed</b>
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	
	<b>Subtotal General Education Courses</b>	<b>18</b>		

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**

<b>KCTCS Course</b>	<b>Course or Category</b>	<b>Credits</b>	<b>NKU Course</b>	<b>Completed</b>
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	
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: STA 220 Statistics	3	TBD XXX  STA 205	
	<b>Subtotal Technical Core Courses</b>	<b>48</b>		
	<b>Total Associate Degree Hours</b>	<b>66</b>		

### 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	
	<b>Subtotal General Education Credit Hours</b>	<b>9</b>		

## 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		
	<b>Subtotal General Education Credit Hours</b>	<b>12</b>		

**Category 5: NKU Major Requirements for BA in Environmental Science**

<b>NKU Course</b>	<b>Course</b>	<b>Credits</b>	<b>KCTCS Course</b>	<b>Taken at KCTCS</b>
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 324	Disease Ecology and Human Health	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 GEO 314 GEO 415 GEO 419 GEO 518 LDR 315 LDR 381 LDR 385 PAD 420	Choose 2 methods and skills courses: Applied Anthropology Ethnographic Methods and Research Quantitative Methods in Anthropology Biometry Grant Writing Maps and Map Interpretation Cartography Remote Sensing of Environment Geographic Information Analysis Leading People in Organizations Organizational Ethics and Decision Making Teamwork in Organizations Managing the Not-For-Profit Organization	6	(GIS 110)	(may have 3 hours completed)

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
PAD 511 PHI 302 PRE 385 SOC 319 SOC 320 SOC 322	Budgeting Techniques and Applications Ethics and Scientific Research Public Relations Research Methods Managing and Analyzing Databases Social Research 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	18-19		
	<b>Subtotal Major Credit Hours at NKU</b>	<b>60-62</b>		
	<b>Subtotal Major Credit Hours at KCTCS</b>	<b>18</b>		
	<b>Total Major Credit Hours</b>	<b>78-80</b>		

#### Category 6: Additional Requirements at NKU

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

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
ANT 309 ANT 318 ANT 330 ANT 345 ANT 372 ANT 386 ENG 316 ENG 326 ENG 338 ENV 324 GEO 309 HIS 465 PSC 445	Choose 6 courses from the following (may not count any taken for the core): People of Africa Prehistoric Ecology Women, Gender, and Culture Environmental Anthropology Peasant Societies Economy, Wealth and Culture Social Issues in Literature (AH) Literature and the Environment Writing for Social Change Disease Ecology and Human Health Historical Geography of North America Nature and Development in Latin America Sustainability	18		

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
SOC 345 SOC 355 SWK 450 SWK 460	Native American Social Issues Sociology of the Environment Multicultural Issues Ethics and Advocacy			
	<b>Subtotal Track Credit Hours at NKU</b>	<b>18</b>		

**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 with Lab	4		
ANT 345 CMGT 323 CMGT 425 CMST 340 ECO 201 GEO 306 GEO 309 GEO 340 GEO 418 MGT 300  MGT 306 PAD 455 PAD 560 SOC 400 SOC 415	Choose 5 courses from the following (may not count any taken for the core): Environmental Anthropology Land Planning and Development Sustainable Construction Strategies of Persuasion Principles of Microeconomics (SB) Environmental Resource Management Historical Geography of North America Sustainable Food Systems Geographic Information Systems Behavior in Organizations: Understanding Organizational Life Project Management Urban Administration Planning and Community Development Urban Society Sociology of Planning and Development	15	(ECO 201)	
	<b>Subtotal Track Credit Hours at NKU</b>	<b>19</b>		

**Category 9: NKU Requirements for the Environmental Communication Track**

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
CMST 230 CMST 303 CMST 330 CMST 340  CMST 370 CMST 381 EDU 445	Choose 6 courses from the following (may not count any taken for the core): Small Group Communication Organizational Communication Political Communication Strategies of Persuasion  Advanced Public Speaking Computer-Mediated Communication Introduction to Environmental Education	18	(COM 281)  (COM 287, SPE 340 or CMS 290)	

NKU Course	Course	Credits	KCTCS Course	Taken at KCTCS
EDU 446	Strategies for Environmental Education			
EDU 447	Outdoor Learning Environments			
ENG 316	Social Issues in Literature (AH)			
ENG 326	Literature and the Environment			
ENG 338	Writing for Social Change			
JOU 220	News Writing		(JAT 204 or JOU 204)	
JOU 230	News Reporting and Writing			
JOU 305	Science in the Media			
JOU 325	Photojournalism			
JOU 440	Current Topics in Media Ethics			
JOU 450	Media Skills			
PRE 275	Principles of Public Relations			
PRE 376	Public Relations Writing			
PRE 377	Public Relations Case Studies and Campaigns			
SWK 460	Ethics and Advocacy			
<b>Subtotal Track Credit Hours at NKU</b>		<b>18</b>		

**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 (may not count any taken for the core):			
ANT 321	Medical Anthropology			
ANT 322	Health and Disease in Past Societies			
CMST 403	Health Communication			
ENV 350	Environmental Toxicology			
HEA 125	Foundations of Health Ed & Promotion			
HEA 230	Personal Health and Wellness		(KHP 150, KHP 230, or HEA 135 + HEA 230)	
HEA 270	Community Health			
HIN 101	Introduction to Health Informatics	15	(HIT 100)	
HIN 355	Foundations of Health Informatics		(HCI 200)	
HIN 356	Health Information Management			
PAD 560	Planning and Community Development			
PHI 220	Health Care Ethics (AH)		(PHI 110 or PHL 110)	
SOC 340	Population		(SOC 260)	
SOC 342	Sociology of Aging			
SOC 355	Sociology of the Environment			
SOC 371	Environment, Society, and Public Health			
SOC 450	Medical Sociology			
SOC 480	Global Aging Issues and Policies			



<b>NKU Course</b>	<b>Course</b>	<b>Credits</b>	<b>KCTCS Course</b>	<b>Taken at KCTCS</b>
	<b>Subtotal Track Credit Hours at NKU</b>	<b>18</b>		

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