



TRANSFER PATHWAY GUIDE

Associate in Science to Bachelor of Science in
Agricultural Ecosystem Sciences

Overview

Completion of the following curriculum will satisfy the requirements for an Associate in Science at the Kentucky Community and Technical College System and pre-major requirements for a Bachelor of Science in Agricultural Ecosystems Sciences.

Admission Requirements

Students must meet the University admission requirements to be admitted into any major within the Martin-Gatton College of Agriculture, Food and Environment (MGCAFE).

KCTCS students planning to transfer to the University of Kentucky should work closely with a UK Transfer Advisor each semester to ensure that both KCTCS and UK degree requirements are met.

Degree Requirements

The Martin-Gatton College of Agriculture, Food and Environment requires that students take AFE 100 Issues in Agriculture, Food and Environment unless they have completed their AA/AS degree or have completed a course that transfers as a UK Core Citizenship course. The College also requires that a student completes 45 credit hours at the 300 level or above.

For more information, please contact the Center for Student Success by email at Cafeadvising@uky.edu, by phone at 859-257-3468.

General Transfer Requirements

All prospective transfer students are encouraged to receive advising from the University of Kentucky Transfer Center. Appointments are offered online and in-person, and can be scheduled online at <https://www.uky.edu/admission/transfer-advising>.

Additionally, we recommend reviewing the transfer admission requirements (<https://www.uky.edu/admission/transfer-requirements>) and the Frequently Asked Questions (<https://www.uky.edu/admission/transfer/frequently-asked-questions>) on our website: <https://www.uky.edu/admission/transfer>.

For more information, please contact the UK Transfer Center by email at UKTransfer@uky.edu, by phone at 859-257-2000, or in-person in Room 100 of the Funkhouser Building on UK's campus.

KCTCS ASSOCIATE IN SCIENCE TO UNIVERSITY OF KENTUCKY BACHELOR OF SCIENCE IN AGRICULTURAL ECOSYSTEM SCIENCES

Kentucky Community and Technical College System

Category 1: KCTCS General Education Core Requirements (33 hours)

KCTCS Course	Course or Category	Credits	UK 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	Heritage (AH)	3	TBD XXX	
TBS XXX	Humanities (AH)	3	TBD XXX	
ECO 201	Principles of Microeconomics (SB)*	3	ECO201	
TBS XXX	Non-ECO SBS (SB)	3	TBD XXX	
CHE170+175	Natural Science with Lab (NS)	5	CHE 105+111	
TBS XXX	BIO 114 or BIO 150 (NS)	3	BIO 148	
MAT 150	College Algebra (QR)	3	MA109	
STA 210U	Making Sense of Uncertainty (QR)	3	STA 210	
	Subtotal General Education Core Courses	34		

TBS XXX means to be selected by KCTCS student.

One of these courses must be selected from the KCTCS identified Cultural Studies course list, indicate by placing (CS) next to the course name in Category 1 or 2 table.

*Must earn a "C" or better in ECO 201

Category 2: KCTCS AS Requirements (6 hours)

KCTCS Course	Course or Category	Credits	UK Course	Completed
TBS XXX	BIO 116 or BIO 152	3	BIO 152	
TBS XXX	Natural Science or Quant. Reasoning	3	TBD XXX	
	Subtotal AA/AS Requirement Courses	6		

Category 3: KCTCS Electives (21 hours)

KCTCS Course	Course or Category	Credits	UK Course	Completed
TBS XXX	Digital Literacy	3	TBD XXX	
TBS XXX	First-Year Experience	3	TBD XXX	
TBS XXX	Elective	3	TBD XXX	
TBS XXX	Elective	3	TBD XXX	
TBS XXX	Elective	3	TBD XXX	
TBS XXX	Elective	3	TBD XXX	
TBS XXX	Elective	3	TBD XXX	
	Subtotal Elective Courses	21		
	TOTAL Associate Degree Hours	61		

University of Kentucky

Major Requirements for Bachelor of Science in Agricultural Ecosystem Sciences

UK Course	Course	Credits	KCTCS Course	Taken at KCTCS
AES 101	Intro to Agricultural Ecosystem Sciences	1		
PLS 210	The Life Processes of Plants	3		
PLS 366	Fundamentals of Soil Science	4		
AEC 302	Agricultural Management Principles	4		
WRD 204	Technical Writing	3		
AES 320	AES Field Experience	2		
AES 395 or 399	Ind. Research or Exp. Learning in AES	1		
ENT 320 or 340	Horticultural Entomology OR Livestock Entomology	2-3		
PLS 386	Plant Production Systems	4		
PPA 400G	Principles of Plant Pathology	3		
ASC 382	Animal Production Principles	3		
PLS 390	Agroecology	3		
PLS 504	Integrated Weed Management	4		
AES 301	Frontiers in AES: Microbiomes	3		
ABT 360	Genetics	3		
PLS 470G	Soil Nutrient Management	3		
AES 490	Senior Capstone in AES	3		
TBD XXX	Applied Specialization Courses	9		
TBD XXX	Technical Specialization Courses	9		
Subtotal UK Credit Hours		67-68		
Total Baccalaureate Degree Credit Hours		128-129		

Updated: Fall 2026

Sample Course Sequence: KCTCS Associate in Science to UK Bachelor of Science in Agricultural Ecosystem Sciences

KCTCS Fall Semester 1	
ENG 101	3
Non-ECO SBS	3
Digital Literacy	3
MAT 150	3
First Year Experience	3
Total	15

KCTCS Spring Semester 1	
ENG 102	3
ECO 201	3
CHE 170+175	5
Humanities Course	3
Total	14

KCTCS Summer Semester 1	

KCTCS Fall Semester 2	
BIO 114/150	3
Oral Com. Course	3
Elective	3
Heritage Course	3
STA 210U	3
Total	15

KCTCS Spring Semester 2	
BIO 116/152	3
Elective	3
Elective	3
Elective	3
	3
Total	15

KCTCS Summer Semester 2	

UK Fall Semester 3	
AES 101	1
PLS 366	4
AEC 302	4
ASC 382	3
ENT 320-340	2-3
Tech Spec. Course	3
Total	17-18

UK Spring Semester 3	
PLS 210	3
WRD 204	3
AES 301	3
PLS 390	3
Applied Spec. Course	3
Total	15

UK Summer Semester 3	
AES 320	2
AES 395 or 399	1
Total	3

UK Fall Semester 4	
PPA 400G	3
PLS 386	4
ABT 360	3
Applied Spec. Course	3
Tech Spec. Course	3
Total	16

UK Spring Semester 4	
AES 490	3
PLS 470G	3
Applied Spec. Course	3
PLS 504	4
Tech Spec. Course	3
Total	16

UK Summer Semester 4	