



TRANSFER PATHWAY GUIDE

Associate in Science to Bachelor's in Middle Level
Education- Science and Math

Overview

Completion of the following curriculum will satisfy the requirements for an Associate in Science at the Kentucky Community and Technical College System as well as UK Core Requirements for the University of Kentucky and pre-major requirements for a bachelor's degree in Middle-Level Education-Science and Math Content Areas.

Admission Requirements

Middle Level Education is a selective admission and competitive program. Completing this pathway does NOT guarantee you acceptance into the program. Acceptance is determined through the application process. A 2.75 cumulative GPA will be needed for this program. Students should talk to their future assigned UK College of Education Advisor after their second semester so that they're aware of Teacher Education Program (TEP) application requirements, which is the teacher certification program build into the UK degree.

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

To stay on a four-year path, students must be eligible to apply to the TEP the semester before they plan to attend UK.

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'S IN MIDDLE LEVEL EDUCATION- MATH AND SCIENCE CHECKLIST

Kentucky Community and Technical College System

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

KCTCS Course	Course or Category	Credits	UK Course	Completed
ENG101	Writing I (WC)	3	ENG 101	
ENG102	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	
PSY 110	General Psychology (SB)	3	PSY11--	
TBS XXX	Social and Behavioral Science (SB)	3	TBD XXX	
CHE 120	The Joy of Chemistry (NS)	3	CHE 101	
CHE170+175	General Chemistry II with Lab (NS)	5	CHE 105/111	
MAT 170	Brief Calculus with Applications (QR)	3	MA 123	
MA 162U / MAT165	Finite Mathematics (QR)	3	MA 162	
	Subtotal General Education Core Courses	36		

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.

Category 2: KCTCS AS Requirements (6 hours)

KCTCS Course	Course or Category	Credits	UK Course	Completed
BIO 114/150	Introductory Biology I	3	BIO 148	
BIO 115/151	Biology Lab	2	BIO 155	
	Subtotal AA/AS Requirement Courses	5		

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	
STA251/STA296U	Statistical Methods and Motivations	3	STA 296	
MAT 205	Mathematics for Elementary School Teachers	3	MA 201	
MAT 206	Mathematics for Elementary School Teachers II	3	MA 202	
EDP 202	Human Development and Learning	3	EDP 202	
TBS XXX	EDP 203 or GLY 130	3	TBD XXX	
	Subtotal Elective Courses	21		
	TOTAL Associate Degree Hours	63		

University of Kentucky

Major Requirements for Bachelor's degree in Middle Level Education- Science and Math

UK Course	Course	Credits	KCTCS Course	Taken at KCTCS
EDC 327	Reading in the Content Areas	3		
EDC 341	The Early Adolescent and Learner Methods in Middle Level Education	3		
EDC 317	Introduction to Instructional Media	1		
EPE 301	Education in American Culture	3		
EES 160	Geology for Teachers	3		
PHY 160	Physics and Astronomy for Teachers	3		
EDC 330	Writing in the Content Areas	3		
EDC 343	Methods and Management in MLE	3		
SEM 345	Methods of Teaching Middle Level Math	3		
SEM 348	Methods of Teaching Middle Level Science	3		
EES 150	Earthquakes and Volcanoes	3		
OR				
EDS 375	Introduction to Education of Exceptional Children	3		
SEM 445	Applications of Teaching Middle Level Math	3		
SEM 448	Applications of Teaching Middle Level Science	3		
EDC 549	Middle Level Student Teaching	3-15		
MA 241	Geometry for Middle School Teachers	3		
EDC 520	Assess & Accountability in ML Ed	3		
MA 308	Problem Solving in Middle School	3		
Subtotal UK Credit Hours		56		
Total Baccalaureate Degree Credit Hours		120		

Updated: Fall 2025

Sample Course Sequence: KCTCS Associate in Science to UK Bachelor of Arts Degree in Middle Level Education- Science and Math

KCTCS Fall Semester 1	
ENG 101	3
First Year Experience	3
PSY 110	3
MAT 170	3
CHE 120	3
Total	15

KCTCS Spring Semester 1	
ENG 102	3
CHE 170/175	5
Humanities Course	3
MA 162U/MAT 165	3
COM 252	3
Total	17

KCTCS Summer Semester 1	

KCTCS Fall Semester 2	
BIO 120	3
EDP 202	3
MAT 205	3
STA 251/296U	3
Digital Literacy	3
Total	15

KCTCS Spring Semester 2	
BIO 112+113	4
MAT 206	3
EDP203/GLY130	3
Social & Behav. Sci	3
Heritage Course	3
Total	16

KCTCS Summer Semester 2	

UK Fall Semester 3	
EDC 327	3
EDC 341	3
EDC 317	1
EPE 301	3
EES 160	3
PHY 160	3
Total	16

UK Spring Semester 3	
EDC 330	3
EDC 343	3
SEM 345	3
SEM 348	3
EES 150/EDS 375	3
Total	15

UK Summer Semester 3	

UK Fall Semester 4	
SEM 445	3
SEM 448	3
EDC 549 (Student Teaching)	6
MA 241	3
Total	15

UK Spring Semester 4	
EDC 549 (Student Teaching)	9
EDC 520	3
MA 308	3
Total	15

UK Summer Semester 4	