



TRANSFER PATHWAY GUIDE

Associate in Science to Bachelor of Health Sciences
in Medical Laboratory Science

Overview

Completion of the following curriculum will satisfy the requirements for an Associate in Science at KCTCS as well as UK Core requirements for the University of Kentucky and pre-major requirements for a Bachelor of Health Sciences degree in Medical Laboratory Science.

Admission Requirements

The College of Health Sciences is a selective college at UK with additional requirements, including a 2.5 cumulative GPA, three letters of recommendation and a secondary application in addition to the main UK application for admission. Specific details and important links can be found on the College of Health Sciences' website at:

<https://chs.uky.edu/medical-laboratory-science/admissions>

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 College of Health Sciences requires that student submit compliance information to matriculate and maintain enrollment with good standing in the program. More information is available here:

<https://chs.uky.edu/current-students/compliance>

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 HEALTH SCIENCE IN MEDICAL LABORATORY SCIENCE

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	
TBS XXX	Social and Behavioral Science (SB)	3	TBD XXX	
TBS XXX	Social and Behavioral Science (SB)	3	TBD XXX	
CHE170+175	General Chemistry I with Lab (NS)	5	CHE 105/11	
CHE180+185	General Chemistry II with Lab (NS)	5	CHE 107/113	
MAT 150	College Algebra (QR)	3	MA 109	
MAT170	Brief Calculus with Applications (QR)	3	MA 123	
	Subtotal General Education Core Courses	37		

TBS XXX means to be selected by KCTCS student.

One of these courses must be selected from the KCTCS identified Cultural Competence course list, indicate by placing (CC) 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 150/151	Principles of Biology I & Lab	5	BIO 148/155	
BIO 137	Anatomy and Physiology with Lab I	4	ANA 109	
	Subtotal AA/AS Requirement Courses	9		

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	
STA 296U/251	Statistical Methods and Motivations	3	STA 296	
BIO 139	Anatomy and Physiology with Lab II	4	ANA110	
BIO 225	Medical Microbiology with Lab	4	BIO208+209	
	Subtotal Elective Courses	17		
	TOTAL Associate Degree Hours	63		

University of Kentucky

Major Requirements for Bachelor of Health Sciences in Medical Laboratory Science

UK Course	Course	Credits	KCTCS Course	Taken at KCTCS
MLS 460	Clinical Hematology	3		
MLS 465	Clinical Hematology Laboratory	2		
MLS 461	Clinical Microbiology	3		
MLS 466	Clinical Microbiology Laboratory	2		
MLS 420	Clinical Immunology & Serology	3		
MLS 410	Medical Laboratory Biochemistry	3		
MLS 400	Laboratory Techniques & Phlebotomy	2		
MLS 462	Clinical Chemistry	3		
MLS 467	Clinical Chemistry Laboratory	2		
MLS 463	Immunohematology	3		
MLS 468	Immunohematology Laboratory	2		
MLS 430	Clinical Mycology And Parasitology	2		
MLS 464	Body Fluids And Hemostasis	2		
MLS 469	Body Fluids And Hemostasis Laboratory	2		
MLS 471	Professionalism In MLS	1		
MLS 440	Molecular Diagnostics	3		
MLS 450	MLS Education And Management	3		
MLS 480	Clinical Hematology Practicum	4		
MLS 483	Immunohematology Practicum	4		
MLS 482	Clinical Chemistry Practicum	4		
MLS 481	Clinical Microbiology Practicum	4		
MLS 470	Medical Laboratory Science Capstone	3		
Subtotal UK Credit Hours		60		
Total Baccalaureate Degree Credit Hours		120		

Updated: Fall 2025

Sample Course Sequence: KCTCS Associate in Science to UK Bachelor of Health Science in Medical Laboratory Science

KCTCS Fall Semester 1	
ENG 101	3
First Year Experience	3
MAT150	3
BIO137	4
Socia& Behav. Sci	3
Total	16

KCTCS Spring Semester 1	
ENG 102	3
CHE 170/175	5
MAT 170	3
BIO 139	4
Digital Literacy	3
Total	18

KCTCS Summer Semester 1	

KCTCS Fall Semester 2	
BIO 150+151	5
CHE 180/185	5
Oral Com. Course	3
STA 296U	3
Total	16

KCTCS Spring Semester 2	
BIO 225	4
Heritage	3
Humanities	3
Social & Behav. Sci	3
Total	13

KCTCS Summer Semester 2	

UK Fall Semester 3	
MLS 460	3
MLS 465	2
MLS 461	3
MLS 466	2
MLS 420	3
MLS 410	3
MLS 400	2
Total	18

UK Spring Semester 3	
MLS 462	3
MLS 467	2
MLS 463	3
MLS 468	2
MLS 430	2
MLS 464	2
MLS 469	2
MLS 471	1
Total	17

UK Summer Semester 3	
MLS 440	3
MLS 450	3
MLS 480	4
Total	10

UK Fall Semester 4	
MLS 483	4
MLS 482	4
MLS 481	4
MLS 470	3
Total	15