TRANSFER PATHWAY GUIDE

2025-2026

KCTCS Associate in Science to

Midway University Bachelor of Science in Biology

Overview

Completion of the following curriculum will satisfy the requirements for an Associate in Science at the Kentucky Community and Technical College System and lead to the Bachelor of Science in Biology at Midway University.

Admission Requirements

For acceptance into the Biology program, the student must meet the following criteria:

1. Complete and apply online.
2. Arrange to have all official transcripts from all regionally accredited post-secondary institutions attended sent to the Office of Admissions.
3. Minimum College GPA of 2.0.

Degree Requirements

Academic credit will be accepted and applied toward the specified degree program at Midway University as identified in the Course Articulation Matrix included in this agreement.

KCTCS AS TO MIDWAY UNIVERSITY BS IN BIOLOGY CHECKLIST

Kentucky Community and Technical College System

Category 1: KCTCS General Education Core Requirements (33 hours) AS requirements linked.

KCTCS Course	Course or Category	Credits	Midway Course	Completed
ENG 101	Writing I	3	ENG 101	
ENG 102	Writing II	3	ENG 102	
COM 181 OR COM 252	Basic Public Speaking or Interpersonal Communication	3	COM 205	
	(Heritage)	3	TBD XXX	
	(Humanities)	3	TBD XXX	
MAT 150	College Algebra	3	MTH 140	
	(Quantitative Reasoning)	3	TBD XXX	
	(Natural Sciences with a lab)	3 (4)	TBD XXX	
	(Natural Sciences)	3	TBD XXX	
	(Social and Behavioral Sciences)	3	TBD XXX	

	(Social and Behavioral Sciences)	3	TBD XXX	
	Subtotal General Education Core Courses	**34**		

TBS XXX means to be selected by KCTCS student.
TBD XXX means to be determined by Midway University based on course selected.
¨Minimum grade of "C" required

*For Social and Behavioral Sciences courses, two disciplines must be represented and different from those in the Arts and Humanities category.

Category 2: KCTCS AS Requirements (6 hours)

KCTCS Course	Course or Category	Credits	Midway Course	Completed
	Quantitative Reasoning **or** Natural Sciences	3	TBD XXX	
	Quantitative Reasoning **or** Natural Sciences	3	TBD XXX	
	Subtotal AS Requirement Courses	**6**		

Category 3: KCTCS Electives (21 hours)

KCTCS Course	Course or Category	Credits	Midway Course	Completed
	Digital Literacy	0-3	CIS 235	
FYE 105 OR FYE 110 OR FYE 100*	First-Year College Success Course/Experience	0-3	MWY 101	
	Subtotal Elective Courses	**21**		
	TOTAL Associate Degree Hours	**60**		

*Some colleges have policies that allow students to fulfil the College Success Requirement by waiver or exemption.

Midway University

Major Requirements for BS in BIOLOGY. Midway University Academic Catalog

Midway Course	Course	Credits	KCTCS Course	Taken at KCTCS
BIO 103/104	General Biology I and Lab	4	BIO 114/115	
BIO 105/106	General Biology II and Lab	4	BIO 116/117	
BIO 225 or BIO 241	Microbiology or Cell Biology	3	BIO 226	
BIO 305 or BIO 312	Global Ecology or General Ecology	3		
BIO 325	Genetics and Molecular Biology	3		
BIO 401	Ethical Issues in Science	3		
BIO 405	Introduction to Biological Research	3		
BIO 487	Senior Research Data Collection	0		
BIO 488	Senior BiologyResearch	1		
Subtotal Midway Credit Hours		**24**		

Required Supporting Courses

CHM 170/171	General Chemistry I and Lab	4	CHE 170/171	
CHM 175/176	General Chemistry II and Lab	4	CHE 180/181	
CHM 330/331	Organic Chemistry I and Lab	4		
CHM 335/336	Organic Chemistry II and Lab	4		
MTH 143	Trigonometry	1	MAT 154	
PSC 240/241	Physics I and Lab	4	PHY 201/202	
PSC 245/246	Physics II and Lab	4	PHY 203/204	
MTH 220	Calculus I	4		
MTH 245	Probability and Statistics	3	STA 220	
Subtotal Midway Credit Hours		**32**		

Biology Electives {Choose 15 hours}

Students must complete at least two 300 – or 400-level laboratories for these 15 hours.

Midway Course	Course	Credits	KCTCS Course	Taken at KCTCS
BIO 190/191	Anatomy & Physiology I and Lab	4	BIO 137	
BIO 198/199	Anatomy & Physiology II and Lab	4	BIO 139	
BIO 204	Medical Vocabulary	2	AHS 115	
BIO 225/226	Microbiology and Lab	4	BIO 226/227	
BIO 230/231	Principles of Botany and Lab	4		
BIO 241	Cell Biology	3		
BIO 304/306	General Zoology and Lab	4		
BIO 305	Global Ecology	3		
BIO 310	Topics in Biology	3		
BIO 312	General Ecology	3		
BIO 313	General Ecology Lab	1		
BIO 314	Vertebrate Zoology	3		
BIO 315	Vertebrate ZoologyLaboratory	1		
BIO 318	Vertebrate Embryology	3		
BIO 319	Vertebrate EmbryologyLaboratory	1		
BIO 320	Histology	3		
BIO 321	Histology Laboratory	1		
BIO 326	Immunology	3		
BIO 327	Immunology Laboratory	1		
BIO 325	Genetics and Molecular Biology	3		
BIO 328	Genetics and Molecular Biology Laboratory	1		
BIO 420	Biochemistry	3		
BIO 421	Biochemistry Laboratory	1		
BIO 485	Internship	3		
	Subtotal Midway Credit Hours	**15**		

B.S. Biology - 120 HRS Minimum

General Education Hours	40	
Program Requirements	71	
Elective Hours	9	
Total Degree Credit Hours	**120**	

***Please Note: Students transferring to Midway University may transfer a total up to 80 credit hours toward degree requirements.

***A minimum of 36 hours of credit hours must be earned in courses numbered 300 or above for B.S. from Midway University.

****36 of the last 40 hours must be completed at Midway University as a residency requirement.