



PROGRAM PATHWAY GUIDE
2019-20
Associate in Science to
Bachelor of Science in Biology

Admissions Practices

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

1. Complete and submit the application 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.

Acceptance and Application of Credits

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 B.S. IN BIOLOGY CHECKLIST

Category 1: KCTCS General Education Core Requirements

KCTCS Course	Course or Category	Credits	Midway Course	Completed
ENG 101	Writing I (WC)	3	ENG 101	
ENG 102	Writing II (WC)	3	ENG 102	
COM 181	Basic Public Speaking (OC)	3	COM 205	
TBS XXX	Arts and Humanities (AH) Heritage*	3	TBD XXX	
TBS XXX	Arts and Humanities (AH) Humanities*	3	TBD XXX	
PSY 110	General Psychology (SB)	3	PSY 180	
ANT 160 or SOC 220	Social & Behavioral Sciences Course (SB)*	3	DVS 290	
TBS XXX	Natural Sciences (NS)**	3	TBD XXX	
TBS XXX	Natural Sciences with Lab (SL)**	4	TBD XXX	
MAT 150	College Algebra (QR)	3	MTH 140	
TBS XXX	Quantitative Reasoning (QR)**	3	TBD XXX	
	Subtotal General Education Courses	34		

*One of these courses must be selected from the KCTCS identified Cultural Studies course list.

** Recommend students pick from the KCTCS course equivalencies listed in the B.S. in Biology table.

TBS XXX means to be selected by KCTCS student.

TBD XXX means to be determined by Midway University based on course selected.

Category 2: KCTCS A.S. Requirements*

KCTCS Course	Course or Category	Credits	Midway Course	Completed
BIO 120	General Ecology (NS)	3	ENV 201	
TBS XXX	Any (NS) or (QR) Course	3	TBD XXX	
	Subtotal A.S. Requirement Courses	6		

*At least 6 hours must be from Quantitative Reasoning and/or Natural Science

Category 3: KCTCS Electives*

KCTCS Course	Course or Category	Credits	Midway Course	Completed
DIL XXX	Digital Literacy**	3	TBD XXX	
TBS XXX	First-Year Experience	3	MWY-101	
WGS 200 or WGS 201	Arts and Humanities (AH) OR Social & Behavioral Sciences Course (SB)	3	WST 200	
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		

* Recommend students pick from the KCTCS course equivalencies listed in the B.S. in Biology table

** Students must demonstrate computer/digital literacy skills, either through completing a course or passing a test.

BACHELOR of SCIENCE in BIOLOGY

KCTCS Program Transfer Equivalencies

BIOLOGY

Course Number	KCTCS Course	Hours	Course Number	Midway Course	Completed
BIO 114/115	General Biology I and Lab	4	BIO 103/104	General Biology I and Lab	
BIO 116/117	General Biology II and Lab	4	BIO 105/106	General Biology II and Lab	
BIO 226	Microbiology	3	BIO 225 or BIO 241	Microbiology or Cell Biology	
		3	BIO 305 or BIO 312	Global Ecology or General Ecology	
		3	BIO 325	Genetics and Molecular Biology	
		3	BIO 401	Ethical Issues in Science	

Course Number	KCTCS Course	Hours	Course Number	Midway Course	Completed
		3	BIO 402	Introduction to Biological Research	
		2	BIO 487	Senior Research Data Collection	
		1	BIO 488	Senior Biology Research	
	Subtotal Major Hours	26			

Biology Electives (Choose 15 hours):

Course Number	KCTCS Course	Hours	Course Number	Midway Course	Completed
BIO 137	Anatomy & Physiology I and Lab	4	BIO 190/191	Anatomy & Physiology I and Lab	
BIO 139	Anatomy & Physiology II and Lab	4	BIO 198/199	Anatomy & Physiology II and Lab	
AHS 115	Medical Terminology	2	BIO 224	Medical Vocabulary	
BIO 226/227	Microbiology and Lab	4	BIO 225/226	Microbiology and Lab	
BIO 140/141	Botany and Lab	4	BIO 230/231	Principles of Botany and Lab	
		3	BIO 241	Cell Biology	
		3	BIO 304/306	General Zoology and Lab	
		3	BIO 305	Global Ecology	
		3	BIO 310	Topics in Biology	
		3-4	BIO 312/313	General Ecology and Lab	
		4	BIO 314/315	Vertebrate Zoology and Lab	
		4	BIO 318/319	Vertebrate Embryology and Lab	
		4	BIO 320/321	Histology and Lab	
		4	BIO 326/327	Immunology and Lab	
		1	BIO 328	Genetics and Molecular Biology Lab	
		4	BIO 420/421	Biochemistry and Lab	
		3	BIO 485	Internship	
	Subtotal Biology Elective Hours	15			

Required Supporting Courses:

Course Number	KCTCS Course	Hours	Course Number	Midway Course	Completed
CHE 170/171	General Chemistry I and Lab	5	CHM 170/171	General Chemistry I and Lab	
CHE 180/181	General Chemistry II and Lab	5	CHM 175/176	General Chemistry II and Lab	

Course Number	KCTCS Course	Hours	Course Number	Midway Course	Completed
CHE 270/275	Organic Chemistry I and Lab	5	CHM 330/331	Organic Chemistry I and Lab	
CHE 280/285	Organic Chemistry II and Lab	5	CHM 335/336	Organic Chemistry II and Lab	
MAT 154	Trigonometry	1	MTH 143	Trigonometry	
PHY 201/202	College Physics I and Lab	5	PSC 240/241	Physics I and Lab	
PHY 203/204	College Physics II and Lab	5	PSC 245/256	Physics II and Lab	
	Subtotal Biology Supporting Course Hours	31			
	Total Midway Hours	72			
	Total Baccalaureate Degree Credit Hours	133			

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

B.S. Biology - 120 HRS Minimum

***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.