



**PROGRAM PATHWAY GUIDE
2019-2020**

Associate in Science to
Bachelor of Arts in Mathematics

Admissions Practices

For acceptance into the Mathematics 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 A.S. TO MIDWAY UNIVERSITY B.A. IN MATHEMATICS 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.A. in Mathematics 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	
STA 220	Statistics (QR)	3	MTH 245	
	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.A. in Mathematics table

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

**BACHELOR of ARTS in MATHEMATICS
KCTCS Program Transfer Equivalencies**

MATHEMATICS

Course Number	KCTCS Course	Hours	Course Number	Midway Course	Completed
MAT 174 or 175	Calculus I	4	MTH 220	Calculus I	
MAT 184 or 185	Calculus II	4	MTH 222	Calculus II	
MAT 275 or MA 213	Calculus III	4	MTH 223	Calculus III	
STA 220	Statistics	3	MTH 245	Probability and Statistics	
		3	MTH 301	Differential Equations	
		3	MTH 305	Mathematical Reasoning and Proofs	
		3	MTH 310	Linear Algebra	
		3	MTH 320	Discrete Mathematics	
		3	MTH 401	Abstract Algebra I	
		3	MTH 405	Real Analysis I	
		3	MTH 498	Senior Seminar	
	Subtotal Major Hours	36			

Mathematics Elective (Choose one course):

Course Number	KCTCS Course	Hours	Course Number	Midway Course	Completed
		3	MTH 402	Abstract Algebra II	
		3	MTH 406	Real Analysis II	
		3	MTH 408	Number Theory	
	Subtotal Mathematics Elective Hours	3			

Required Supporting Courses:

Course Number	KCTCS Course	Hours	Course Number	Midway Course	Completed
PHY 201	College Physics I	4	PSC 240	Physics I	
PHY 202	College Physics I Lab	1	PSC 241	Physics I Lab	
PHY 203	College Physics II	4	PSC 245	Physics II	
PHY 204	College Physics II Lab	1	PSC 246	Physics II Lab	
		3	ENG 380	Writing Across the Disciplines	
	Subtotal Mathematics Supporting Course Hours	13			

Other Electives (Choose Three):

Course Number	KCTCS Course	Hours	Course Number	Midway Course	Completed
TBS XXX	Elective	3	TBD XXX	Elective	
TBS XXX	Elective	3	TBD XXX	Elective	
TBS XXX	Elective	3	TBD XXX	Elective	
	Subtotal Elective Hours	9			
	Total Midway Hours	61			
	Total Baccalaureate Degree Credit Hours	122			

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

B.A. Mathematics - 120 HRS Minimum

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

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