



BS Mathematics
 Recommended 4-Year Course Sequence
 2024-2025 Catalog



FRESHMAN YEAR

Fall				Spring			
KC	UT Tyler	Title	Hours	KC	UT Tyler	Title	Hours
ENGL 1301		Composition I	3	ENGL 1302/ENGL 2311		Composition II/Technical and Business Writing	3
HIST 1301		US History I	3			Life and Physical Science Core	4
		Life and Physical Science Core	4	MATH 2414		Calculus II	4
MATH 2413		Calculus I	4	EDUC 1300		Learning Framework	3
SPCH 1315		Intro to Public Speaking	3	HIST 1302		US History II	3
			17				17

SOPHOMORE YEAR

Fall				Spring			
KC	UT Tyler	Title	Hours	KC	UT Tyler	Title	Hours
GOVT 2305		Federal Government	3	GOVT 2306		Texas Government	3
		LPC Core	3			Creative Arts Core	3
		Social and Behavioral Science Core	3			Human Expression Core	3
PHYS 2425		College Physics I	4	PHYS 2426		College Physics II	4
			13				13

JUNIOR YEAR

Fall				Spring			
KC	UT Tyler	Title	Hours	KC	UT Tyler	Title	Hours
	MATH 3380	Algorithms in Applied Math	3		MATH 336	Abstract Algebra I	3
	MATH 3404	Multivariate Calculus	4		MATH 3305	Ordinary Differential Equations	3
	MATH 3425	Foundations of Mathematics	4			Minor or Elective Course	3
	MATH 3315	Linear Algebra and Matrix Theory	3			Minor or Elective Course	3
					MATH 3373	Nonlinear ODE	3
			14				15

SENIOR YEAR

Fall				Spring			
KC	UT Tyler	Title	Hours	KC	UT Tyler	Title	Hours
	MATH 3345	Real Analysis I	3		MATH	Upper level MATH Elective	3
	MATH 4350	Theory of Probability	3		MATH 4161	Senior Seminar II	1
	MATH	Upper level MATH Elective	3			Minor or Elective Course	3
	MATH	Upper level MATH Elective	3			Minor or Elective Course	3
		Minor or Elective Course	3			Minor or Elective Course	2
	MATH 4160	Senior Seminar I	1		MATH	Upper level MATH Elective	3
			16				15

Total Credit Hours at Kilgore College	60
Total Credit Hours at UT Tyler	60
Total Credit Hours	120