



Transfer Guide

Associate of Science

BS-Mathematics & Statistics BS



JCCC—Fall Semester 1	Hrs	JCCC—Spring Semester 1	Hrs	JCCC—Summer Semester 1	Hrs
Natural or Physical Science Course with Lab*	4-5	MATH 241 Calculus I	5	General Elective (if needed for AS degree)	3
MATH 173 Precalculus	5	Natural or Physical Science Course	3-5		
ENGL 121 Composition I	3	Social & Behavioral Sciences Course	3		
Humanities Course**	3	ENGL 122 Comp II or ENGL 123 Tech Writing	3		

JCCC—Fall Semester 2	Hrs	JCCC—Spring Semester 2	Hrs	JCCC—Summer Semester 2	Hrs
MATH 242 Calculus II	5	MATH 243 Calculus III	5		
Social & Behavioral Sciences Course**	3	Cultural Diversity Course***	3		
COMS 120 or 121 Communications Course	3	MATH 161 Elementary Statistics	3		
Humanities Course**	3	General Elective (if needed for AS degree)	3		

UMKC—Fall Semester 3	Hrs	UMKC—Spring Semester 3	Hrs	UMKC—Summer Semester 3	Hrs
MATH 301 On Solid Ground: Sets and Proof	3	MATH 410 Abstract Algebra	3		
MATH 300 Linear Algebra I	3	MATH or STAT 3XX/4XX Major Elective (MATH 469 or STAT 496 recommended)	3		
STAT 436 Introduction To Mathematical Stats I	3	MATH or Science Elective Course (STAT 441^)	3		
MATH or Science Elective Course (MATH 406 or 407^ recommended)	3	General Elective (FIN 325^)	3		
MATH or Science Elective Course	3	General Elective (ECON 202^)	3		

UMKC—Fall Semester 4	Hrs	UMKC—Spring Semester 4	Hrs	UMKC—Summer Semester 4	Hrs
MATH 420 Linear Algebra (if MATH 410 taken) (or any MATH/STAT 3XX/4XX Major Elective)	3	MATH or STAT 3XX/4XX Major Elective	3		
MATH 402 Advanced Analysis I	3	3XX/4XX WI Writing Intensive course (MATH 464WI recommended)	3		
MATH or STAT 3XX/4XX Major Elective (MATH 434 recommended)	3	General Elective (300/400 level if needed)	3		
3XX/4XX General Elective (STAT 480^)	3	General Elective	3		
3XX/4XX General Elective (FIN 345^)	3	General Elective	3		

To be exempt from the UMKC Essentials or Missouri Core 42 general education requirements, students are encouraged to complete the Associate of Science degree.

*At least one science course must have a lab component.

^Courses required for Actuarial Science minor

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