



Transfer Guide Associate of Science Mathematics & Statistics BA



JCCC—Fall Semester 1	Hrs	JCCC—Spring Semester 1	Hrs	JCCC—Summer Semester 1	Hrs
Natural or Physical Science 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**	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**	3	Cultural Diversity Course	3		
COMS 120 or 121 Communication 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 or STAT 441 Intro to Mathematical Stats II (<i>or any MATH/STAT 3XX/4XX Major Elective</i>)	3		
MATH 300 Linear Algebra I	3	General Elective (ECON 202^)	3		
STAT 436 Introduction To Mathematical Stats I	3	General Elective (STAT 441^)	3		
General Elective (ECON 201^)	3	General Elective (ACCTG 210^)	3		
General Elective (STAT 340, 355, 360 for Data Analytics minor)	3	MATH or Science Elective	3		

UMKC—Fall Semester 4	Hrs	UMKC—Spring Semester 4	Hrs	UMKC—Summer Semester 4	Hrs
MATH 420 Linear Algebra (if MATH 410 taken) (<i>or any MATH/STAT 3XX/4XX Major Elective</i>)	3	MATH 469 Mathematical Modeling or STAT 496 Internship/Pract Training in Math/Stats	1-3		
MATH 402 Advanced Analysis I	3	3XX/4XX WI Writing Intensive course (MATH 464WI recommended)	3		
MATH 406 Partial Differential Equations or MATH 407 Introduction to Complex Variables	3	3XX/4XX General Elective (FIN 345^)	3		
3XX/4XX General Elective (STAT 480^)	3	3XX/4XX General Elective	3		
3XX/4XX General Elective (FIN 325^)	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

UMKC School of Science & Engineering · SS&C Student Services Center
336 Flarsheim Hall · 5110 Rockhill Road
816-235-2399 · sse@umkc.edu · sse.umkc.edu

Johnson County Community College
12345 College Boulevard · Overland Park KS 66210
913-469-8500 · advise@jccc.edu · jccc.edu