



Transfer Guide Associate of Science BS-Biology



JCCC—Fall Semester 1	Hrs	JCCC—Spring Semester 1	Hrs	JCCC—Summer Semester 1	Hrs
BIOL 135 Prin of Cell & Molecular Biology	4	BIOL 150 Biology of Organisms	5		
MATH 173 Precalculus	5	CHEM 124/125 Gen Chemistry I & Lab	5		
ENGL 121 Composition I	3	Social & Behavioral Sciences Course	3		
Arts & 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 241 Calculus I	5	BIOL 205 General Genetics	4		
CHEM 131/132 Gen Chemistry II & lab	5	MATH 242 Calculus II OR MATH 161 Statistics	3-5		
COMS 120 or 121 Communications Course	3	Cultural Diversity Course	3		
Arts & Humanities Course	3	Social & Behavioral Sciences Course	3		

UMKC—Fall Semester 3	Hrs	UMKC—Spring Semester 3	Hrs	UMKC—Summer Semester 3	Hrs
BIOLOGY 202 Cell Biology	3	CHEM 322R/322L Organic Chemistry II/Lab	4		
BIOLOGY 250 Careers in Bio & Chem Sci or LIFE-SCI 201 Careers in Health I	1	PHYSICS 220 General Physics II or PHYSICS 250 Physics for Sci and Engineers II	4-5		
CHEM 321/321L Organic Chemistry I/Lab	4	BIOLOGY Laboratory Elective	2		
PHYSICS 210 General Physics I or PHYSICS 240 Physics for Sci and Engineers I	4-5	BIOLOGY 3XX/4XX Major Elective	3		
General Elective	3				

UMKC—Fall Semester 4	Hrs	UMKC—Spring Semester 4	Hrs	UMKC—Summer Semester 4	Hrs
BIOLOGY 441 Biochemistry	3	BIOLOGY 498WI Critical Analysis/Bio Issues or LIFE-SCI 497 Directed Studies-Bio Sciences or LIFE-SCI 499 Undergrad Research-Bio Sci	3		
BIOLOGY Major Elective	3	BIOLOGY 3XX/4XX Major Elective	3		
BIOLOGY 3XX/4XX Major Elective	3	BIOLOGY 3XX/4XX Major Elective	3		
BIOLOGY 3XX/4XX Laboratory Elective	3	General Elective (300/400 level)	3		
General Elective (300/400 level)	3	General Elective (3XX/4XX if needed)	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.

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