



Transfer Guide Associate of Science BA-Physics



JCCC—Fall Semester 1	Hrs	JCCC—Spring Semester 1	Hrs	JCCC—Summer Semester 1	Hrs
CHEM 124/125 Gen Chemistry I & lab	4	MATH 242 Calculus II	5	General Elective (if needed for AS degree)	3
MATH 241 Calculus I	5	ENGL 122 Comp II OR ENGL 123 Tech Writing	3		
ENGL 121 Composition I	3	Social & Behavioral Sciences Course	3		
Arts & Humanities Course	3	General Elective	3		

JCCC—Fall Semester 2	Hrs	JCCC—Spring Semester 2	Hrs	JCCC—Summer Semester 2	Hrs
MATH 243 Calculus III	5	PHYSICS 221 Engineering Physics II	5		
PHYSICS 220 Engineering Physics I	5	Cultural Diversity Course	3		
COMS 120 or 121 Communication course	3	Social & Behavioral Sciences Course	3		
Arts & 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
PHYSICS 385L Physics of Electronics or PHYSICS 476LW Advanced Laboratory	3	PHYSICS 350 Modern Physics With Engineering Applications	3		
PHYSICS 310 Mechanics I	3	PHYSICS 300/400 Major Elective (<i>PHYSICS 420 recommended</i>)	3		
PHYSICS 330 Methods of Theoretical Physics	3	PHYSICS 300/400 Major Elective (<i>PHYSICS 395L recommended</i>)	3		
General Elective	3	General Elective	3		
General Elective	3	General Elective	3		

UMKC—Fall Semester 4	Hrs	UMKC—Spring Semester 4	Hrs	UMKC—Summer Semester 4	Hrs
PHYSICS 472 Intro to Quantum Mechanics	3	PHYSICS 300/400 Major Elective	3		
General Elective 300/400 level	3	General Elective 300/400 (WI course if needed)	3		
General Elective 300/400 level	3	General Elective (300/400 level if needed)	3		
General Elective 300/400 level	3	General Elective	3		
General Elective	3	General Elective (if needed)	3		
General Elective (if needed for degree hours)	1				

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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