



## 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 and Behavioral Sciences course	3					
Humanities Course	3	General Elective	3					

JCCC—Fall Semester 2		Hrs	JCCC—Spring Semester 2		Hrs	UMKC—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 and Behavioral Sciences course	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
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 (420 recommended)	3					
PHYSICS 330 Methods of Theoretical Physics	3	PHYSICS 300/400 Major Elective (395L recommended)	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	3					
General Elective (if needed for degree hours)	1							

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

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