



Transfer Guide Associate of Science BS-Physics



JCCC—Fall Semester 1	Hrs	JCCC—Spring Semester 1	Hrs	JCCC—Summer Semester 1	Hrs
CHEM 124/125 Gen Chemistry I & lab	4	CHEM 131/132 Gen Chemistry II & lab	5		
MATH 241 Calculus I	5	MATH 242 Calculus II	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 243 Calculus III	5	PHYSICS 221 Engineering Physics II	5		
PHYSICS 220 Engineering Physics I	5	Social & Behavioral Sciences Course	3		
Communication Course (COMS 120 or 121)	3	General Elective	3		
Arts & Humanities Course	3	General Elective	3		

UMKC—Fall Semester 3	Hrs	UMKC—Spring Semester 3	Hrs	UMKC—Summer Semester 3	Hrs
PHYSICS 385L Physics of Electronics	3	PHYSICS 311 Mechanics II	3		
PHYSICS 310 Mechanics I	3	PHYSICS 410 Thermal Physics	3		
PHYSICS 330 Methods of Theoretical Physics	3	PHYSICS 350 Modern Physics with Eng Apps	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 395L Computer Interfacing Lab	3	PHYSICS 420 Optics	3		
PHYSICS 460 Electricity And Magnetism I	3	PHYSICS 461 Electricity And Magnetism II	3		
PHYSICS 472 Intro to Quantum Mechanics	3	General Elective (300/400 level if needed)	3		
PHYSICS 476LW Advanced Laboratory	3	General Elective	3		
General Elective	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.

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