



Transfer Guide

Associate of Science BS-Civil Engineering



JCCC—Fall Semester 1	Hrs	JCCC—Spring Semester 1	Hrs	JCCC—Summer Semester 1	Hrs
CHEM 124/125 General Chemistry I/Lab	5	ENGL 122 Composition II	3		
ENGL 121 Composition I	3	MATH 242 Calculus II	5		
MATH 241 Calculus I	5	PHYS 220 Engineering Physics I	5		
		Social & Behavioral Sciences Course	3		

JCCC—Fall Semester 2	Hrs	JCCC—Spring Semester 2	Hrs	JCCC—Summer Semester 2	Hrs
ENGR 251 Statics	3	BIOL 135 or GEOS 130	4-5		
MATH 243 Calculus III	5	MATH 254 Differential Equations	4		
PHYS 221 Engineering Physics II	5	Cultural Diversity Course	3		
Arts & Humanities Course	3	Social & Behavioral Sciences Course	3		

JCCC—Fall Semester 3	Hrs	UMKC—Spring Semester 3	Hrs	UMKC—Summer Semester 3	Hrs
CS 200 Concepts of Programming Algorithms C++	4	MEC-ENGR 130 Engineering Graphics	3		
COMS 120 or 121 Communications Course	3	CIV-ENGR 190 Special Topics	1		
Arts & Humanities Course	3	CIV-ENGR 276 Strength of Materials	3		
MATH 161 Statistics	3	CIV-ENGR 351 Fluid Mechanics	3		
		CIV-ENGR 481 Intro to Transportation	3		

UMKC—Fall Semester 4	Hrs	UMKC—Spring Semester 4	Hrs	UMKC—Summer Semester 4	Hrs
CIV-ENGR 111 First Year Cornerstone	1	CIV-ENGR 323 Structural Steel Design	3		
CIV-ENGR 113 Engineering Measurements	1	CIV-ENGR 497 Engineering Hydrology	3		
CIV-ENGR 321 Structural Analysis	4	CIV-ENGR 342 Intro to Environmental Eng	3		
CIV-ENGR 335 Soil Mechanics	3	CIV-ENGR 378WI Civil Engineering Materials	3		
CIV-ENGR 467 Construction Management	3	MATH 345L Ordinary Differential Equations Lab	1		

UMKC—Fall Semester 5	Hrs	UMKC—Spring Semester 5	Hrs	UMKC—Summer Semester 5	Hrs
CIV-ENGR 411 System Design I	2	CIV-ENGR 412 System Design II	3		
CIV-ENGR 422WI Reinforced Concrete	3	CIV-ENGR Elective (300/400 level)	3		
CIV-ENGR 432 Foundation Engineering	3	CIV-ENGR Elective	3		
CIV-ENGR Elective (300/400 level)	3	CIV-ENGR 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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