



**Transfer Guide**  
**Associate of Engineering with Core 42**  
**BS-Civil Engineering**  
*(entering UMKC Fall 2021 or later)*



MCC—Fall Semester 1	Hrs	MCC—Spring Semester 1	Hrs	MCC—Summer Semester 1	Hrs
CHEM 111 General College Chemistry I	5	ENGL 102 or 215 Comp II or Technical Writing	3	COMM 100 Fundamentals of Speech (AE Comm)	3
ENGL 101 Composition & Reading I	3	MATH 190 Analytic Geometry & Calculus II	5	Core 42 Humanities/Arts Requirement	3
ENGR 101 Intro to Engineering Profession	1	PHYS 220 Engineering Physics I	5	Core 42 Social/Behavioral Sciences Requirement	3
MATH 180 Analytic Geometry & Calculus I	5	AE History & Social Sciences Course**	3		
AE Humanities Course*	3				

MCC—Fall Semester 2	Hrs	MCC—Spring Semester 2	Hrs	MCC—Summer Semester 2	Hrs
BIOL 123 or GEOL 101 <sup>^</sup>	5	ENGR 204 Programming for Eng & Sci	3	AE History and Social Science Course***	3
ENGR 229 Statics	3	ENGR 215 Engineering Statistics & Computation	3	Core 42 Humanities/Arts Requirement	3
MATH 210 Analytic Geometry & Calculus III	5	ENGR 223 OR 230 Thermo OR Dynamics <sup>^^</sup>	3-4		
PHYS 221 Engineering Physics II	5	ENGR 240 Mechanics of Materials	3		
		MATH 230 Differential Equations	3		

UMKC—Fall Semester 3	Hrs	UMKC—Spring Semester 3	Hrs	UMKC—Summer Semester 3	Hrs
CE 111 First Year Cornerstone	1	ME 130 Engineering Graphics <sup>^^</sup>	3		
CE 113 Engineering Measurements	1	CE 190 Special Topics	1		
CE 321 Structural Analysis	4	CE 323 Structural Steel Design	3		
CE 335 Soil Mechanics	3	CE 378WI Civil Engineering Materials	3		
ME 351 Fluid Mechanics	3	CE 497 Engineering Hydrology	3		
CE 467 Construction Management	3				

UMKC—Fall Semester 4	Hrs	UMKC—Spring Semester 4	Hrs	UMKC—Summer Semester 4	Hrs
CE 411 System Design I	3	CE 412 System Design II	3		
CE 422WI Reinforced Concrete	3	CE 342 Intro to Environmental Engineering	3		
CE 432 Foundation Engineering	3	CE 481 Intro to Transportation	3		
CE Interest Area Elective 3XX-4XX	3	CE Interest Area Elective 3XX-4XX	3		
		CE Interest Area Elective 3XX-4XX	3		

<sup>^</sup>To meet the requirements of the Associate of Engineering degree, students must select GEOL 101.

<sup>^^</sup>These are not required courses for Civil Engineering. If you take one or more of these courses, it will count towards CE Interest Area Electives. If none are taken, you will add an additional CE Interest Area Elective to your program of study and you may not have enough credits to complete the Associate of Engineering degree. The AE degree is **not** required to transfer to UMKC.

<sup>^^^</sup>Students may reverse transfer this course back to MCC to complete the Associate of Engineering degree.

\*Acceptable courses include ART 108, ART 150, ART 151, ENGL 214, ENGL 216, ENGL 240, ENGL 254, ENGL 262, HIST 133, HIST 134, MUSI 108, MUSI 160, PHIL 100, THEA 106

\*\*Acceptable courses include HIST 120, HIST 121, POLS 136

\*\*\*Acceptable courses include HIST 120, HIST 121, ECON 210, ECON 211, POLS 136

Students should consult with an academic advisor to be sure that courses for the MDHE Core 42 satisfy the requirements before enrolling.

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