

Transfer Guide

Associate of Engineering with Core 42

BS-Civil Engineering

(entering UMKC Fall 2020 or later)

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

MCC—Fall Semester 2		MCC—Spring Semester 2		MCC—Summer Semester 2	
	Hrs		Hrs		Hrs
ENGR 223 Thermodynamics & Heat Transfer [^]	4	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 230 Dynamics [^]	3	Core 42 Elective	2
PHYS 221 Engineering Physics II	5	ENGR 240 Mechanics of Materials	3		
		MATH 230 Differential Equations	3		

UMKC—Fall Semester 3		UMKC—Spring Semester 3		UMKC—Summer Semester 3	
	Hrs		Hrs		Hrs
CE 321 Structural Analysis	4	CE 111 Civil Engineering Cornerstone	3		
CE 378WI Civil Engineering Materials	3	CE 335 Soil Mechanics	3		
CE 401SV Surveying	1	CE 497 Engineering Hydrology	3		
CE 467 Construction Management	3	CE Interest Area Elective	3		
ECE 217 Engineering Computation	2	ME 130 Engineering Graphics ^{^^}	3		
ME 351 Fluid Mechanics	3				

UMKC—Fall Semester 4		UMKC—Spring Semester 4		UMKC—Summer Semester 4	
	Hrs		Hrs		Hrs
CE 320 Engineering Computation & Statistics	1	CE 318 GIS for Engineers	3		
CE 411 System Design I	3	CE 412 System Design II	3		
CE 422WI Reinforced Concrete	3	CE Interest Area Elective 3XX-4XX	3		
CE 432 Foundation Engineering	3	CE Interest Area Elective 3XX-4XX	3		
CE Interest Area Elective 3XX-4XX	3	CE Interest Area Elective 3XX-4XX	3		

[^]These are not required courses for Civil Engineering. Students can select these courses or add additional CE Interest Area Electives when at UMKC.

^{^^}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.