



2025-2026 Transfer Guide Associate of Engineering with Core 42 BS-Civil Engineering



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
ENGR 215 Engineering Statistics & Computation	3	BIOL 123 or GEOL 101 [^]	5	AE History and Social Science Course***	3
ENGR 229 Statics	3	ENGR 204 Programming for Eng & Sci	3	Core 42 Humanities/Arts Requirement	3
MATH 210 Analytic Geometry & Calculus III	5	ENGR 223 OR 230 Thermo OR Dynamics ^{^^}	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
CIV-ENGR 111 First Year Cornerstone	1	MEC-ENGR 130 Engineering Graphics ^{^^^}	3		
CIV-ENGR 113 Engineering Measurements	1	CIV-ENGR 190 Special Topics	1		
CIV-ENGR 321 Structural Analysis	4	CIV-ENGR 323 Structural Steel Design	3		
CIV-ENGR 335 Soil Mechanics	3	CIV-ENGR 378WI Civil Engineering Materials	3		
CIV-ENGR 351 Fluid Mechanics	3	CIV-ENGR 497 Engineering Hydrology	3		
CIV-ENGR 467 Construction Management	3	MATH 345L Ordinary Differential Equations Lab	1		

UMKC—Fall Semester 4	Hrs	UMKC—Spring Semester 4	Hrs	UMKC—Summer Semester 4	Hrs
CIV-ENGR 411 System Design I	3	CIV-ENGR 412 System Design II	3		
CIV-ENGR 422WI Reinforced Concrete	3	CIV-ENGR 342 Intro to Environmental Eng	3		
CIV-ENGR 432 Foundation Engineering	3	CIV-ENGR 481 Intro to Transportation	3		
CIV-ENGR Interest Area Elective 300/400 level	3	CIV-ENGR Interest Area Elective 300/400 level	3		
CIV-ENGR Interest Area Elective 300/400 level	3				

[^]To meet the requirements of the Associate of Engineering degree, students must select GEOL 101.

^{^^}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.

^{^^^}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.

**UMKC School of Science & Engineering · SS&C Student Services
Center
336 Flarsheim Hall · 5110 Rockhill Road**

**Metropolitan Community College
Blue River · Longview · Maple Woods · Penn Valley
816-604-1000 · www.mcckc.edu/advising**