

MCC—Fall Semester 1		Hrs	MCC—Spring Semester 1		Hrs	MCC—Summer Semester 1		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	AE History and Social Science Course***	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		Hrs	MCC—Spring Semester 2		Hrs	MCC—Summer Semester 2		Hrs
ENGR 229 Statics	3	ENGR 204 Programming for Eng & Sci	3	Core 42 Social/Behavioral Sciences Requirement	3			
MATH 210 Analytic Geometry & Calculus III	5	ENGR 223 Thermodynamics & Heat Transfer	4	Core 42 Humanities/Arts Requirement	3			
PHYS 221 Engineering Physics II	5	ENGR 230 Dynamics	3	Core 42 Elective	2			
ENGR 215 Engineering Statistics & Computation	3	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
ECE 217 Engineering Computation	2	ME 130 Engineering Graphics^	3	ECE 276 Circuit Theory I^	3			
ME 273 Engineering Analysis	1	ME 352 Mechanical Instruments Lab	2	ECE 277 Circuit Theory I Lab^	1			
ME 324/324L Engineering Materials/Lab	4	ME 353 Heat Transfer/Fluid Mechanics Lab	2					
ME 351 Fluid Mechanics	3	ME 380 Manufacturing Methods	3					
ME 356 Mechanical Component Design	3	ME 385 System Dynamics	3					
ME 360 Thermal System Design	3	ME 399 Heat & Mass Transfer	3					

UMKC—Fall Semester 4		Hrs	UMKC—Spring Semester 4		Hrs	UMKC—Summer Semester 4		Hrs
CE 320 Engineering Computation & Statistics	1	ME 306 Computer Aided Engineering	3					
ME 492 Mechanical Design Synthesis I	3	ME 496WI Mechanical Design Synthesis II	3					
ME 4XX ME Core Elective	3	ME 4XX ME Design Elective	3					
ME 4XX ME Core Elective	3	ME 4XX ME Core Elective	3					
ME 4XX ME Open Elective	3	ME 4XX ME Open Elective	3					

*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 may reverse transfer this course back to MCC to complete the Associate of Engineering degree.