

Baker—Fall Semester 1	Hrs	Baker—Spring Semester 1	Hrs	Baker—Summer Semester 1	Hrs
MA 171 Calculus I	4	MA 172 Calculus II	4		
PC 225 General Physics I	4	PC 226 General Physics II	4		
World Language Requirement	4	Creative Arts Core	3		
BC 110 Freshman Seminar I	3	Social Sciences Core	3		
BK 101 Baker Experience	1	BC 120 Freshman Seminar II	3		

Baker—Fall Semester 2	Hrs	Baker—Spring Semester 2	Hrs	Baker—Summer Semester 2	Hrs
PC 325 General Physics III	4	MA 271 Calculus III	4		
CH 137/L General Chemistry I/Lab	4	PC 332 Electronics	4		
Humanities Core	3	PC 381 Statics	3		
MA 372 Differential Equations	3	Social Sciences Core	3		
CS 175 Introduction to Computer Science	4				

Baker—Fall Semester 3	Hrs	Baker—Spring Semester 3	Hrs	UMKC—Summer Semester 3	Hrs
MA 281 Linear Algebra	4	MA 221 Statistics I	3	CE 276 Strength of Materials*	3
PC 470 Electricity & Magnetism I	3	PC 490 Quantum Mechanics	3		
CS 180 C++	2	Core Capstone	3		
Creative Arts Core	3	PC 491 Senior Project	1		
Humanities Core	3	300-400 Level Physics Elective	3		

UMKC—Fall Semester 4	Hrs	UMKC—Spring Semester 4	Hrs	UMKC—Summer Semester 4	Hrs
CE 335 Soil Mechanics	3	CE 378WI Civil Engineering Materials	3		
ME 351 Fluid Mechanics	3	CE 497 Engineering Hydrology	3		
CE 321 Structural Analysis	4	CE 323 Structural Steel Design	3		
CE 467 Construction Management	3	CE 481 Intro to Transportation Engineering	3		
CE 111 First Year Cornerstone	1	ME 130 Engineering Graphics	3		
CE 113 Engineering Measurements	1	CE 190 Special Topics	1		

UMKC—Fall Semester 5	Hrs	UMKC—Spring Semester 5	Hrs	UMKC—Summer Semester 5	Hrs
CE 411 System Design I	3	CE 412 System Design II	3		
CE 432 Foundation Engineering	3	CE 342 Intro to Environmental Engineering	3		
CE 422WI Reinforced Concrete	3	CE Elective	3		
CE Elective^	3				
CE Elective	3				

*Students will need CE 276 (or equivalent), prior to entering UMKC full-time. If UMKC is not offering this course, in the 3rd summer semester, we can help students enroll elsewhere.

**Students can count an approved 300-400 Physics course at BU toward one of the four required upper-level CE electives at UMKC.

^Students can count an approved UMKC CE elective toward one of their Baker Physics electives.

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