

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
CH 137/L General Chemistry I/Lab	4	MA 271 Calculus III	4		
CS 175 Introduction to Computer Science	4	MA 221 Statistics I	3		
MA 372 Differential Equations	3	MA 291 Introduction to Higher Mathematics	3		
Creative Arts Core	3	MA 345 Problem Seminar in Mathematics	3		
Humanities Core	3	PC 381 Statics	3		

Baker—Fall Semester 3	Hrs	Baker—Spring Semester 3	Hrs	MCC—Summer Semester 3	Hrs
MA 281 Linear Algebra	3	Humanities Core	3	CE 276 Strength of Materials*	3
CS 180 C++	2	MA 445 Senior Seminar in Mathematics	3		
MA 362 OR MA 383 OR MA 491	3	Core Capstone	3		
Social Sciences Core	3	300-400 Level Mathematics Elective	3		
300-400 Level Mathematics Elective	3	300-400 Level Mathematics Elective**	3		

UMKC—Fall Semester 4	Hrs	UMKC—Spring Semester 4	Hrs	UMKC—Summer Semester 4	Hrs
CE 335 Soil Mechanics	3	ME 130 Engineering Graphics	3		
ME 351 Fluid Mechanics	3	CE 378WI Civil Engineering Materials	3		
CE 321 Structural Analysis	4	CE 497 Engineering Hydrology	3		
CE 467 Construction Management	3	CE 323 Structural Steel Design	3		
CE 111 First Year Cornerstone	1	CE 481 Intro to Transportation Engineering	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 Math course at BU toward one of the four required upper-level CE electives at UMKC.

UMKC School of Science & Engineering · SS&C Student Services Center
 336 Flarsheim Hall · 5110 Rockhill Road · KCMO 64110
 816-235-2399 · sse@umkc.edu · sse.umkc.edu

Dr. Jamin Perry · Boyd Science Center 301
 615 Dearborn · Baldwin City, KS 66006
 785-594-8326 · jamin.perry@bakerU.edu · bakerU.edu