



**Dual Degree Program**  
**BS Mathematics**  
**BS Civil Engineering**



Millikin—Fall Semester 1		Millikin—Spring Semester 1		Millikin—Summer Semester 1	
	Hrs		Hrs		Hrs
MA 140 Calculus I	4	MA 240 Calculus II	4		
IN 140 University Seminar	3	Historical Studies	3		
EN 181 University Writing	3	ICS	3		
CH 121/151 General Chemistry with Lab	4	Humanities in the United States	3		
CO 200 Public Speaking	3	Historical Studies	3		

Millikin—Fall Semester 2		Millikin—Spring Semester 2		Millikin—Summer Semester 2	
	Hrs		Hrs		Hrs
PY 151/171 University Physics I	4	PY 152/172 University Physics II	4		
CS 135 Intro Comp Sci	3	Social Sciences in the United States	3		
MA 340 Calculus III	3	MA 305 Differential Equations	3		
MA 208 Discrete Math	3	MA 230 Reg Analysis/Time Series	3		
EN 281 Writing in the Disciplines	3				

Millikin —Fall Semester 3		Millikin —Spring Semester 3		UMKC—Summer Semester 3	
	Hrs		Hrs		Hrs
BI 105 Ecology and Evolution	4	PY 201 Statics	3	CE 276 Strength of Materials*	3
Global Issues	3	MA 313 Numerical Analysis	3		
MA 304 Probability	3	MA 303 Linear Algebra	3		
ICS	3	Creative Arts	3		
Literature					

UMKC—Fall Semester 4		UMKC—Spring Semester 4		UMKC—Summer Semester 4	
	Hrs		Hrs		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		UMKC—Spring Semester 5		UMKC—Summer Semester 1	
	Hrs		Hrs		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				

\*If UMKC is not able to offer Strength of Materials in the summer, students can take an equivalent course at Metropolitan Community College of Kansas City.

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