

STEM Transfer Guide-Suggested Courses for Civil Engineering Students (Cottey College)

Cottey—Fall Semester 1	Hrs	Cottey—Spring Semester 1	Hrs	Summer Semester 1	Hrs
FWS 101 First Year Writing Seminar	3	WRI 102 College Writing	3	Engineering Statics	
MAT 210 Calculus 1	4	MAT 220 Calculus 2	4	ENGR 228 or 229 (at MCC)	3
PHY 205 General Physics 1 & Lab	4	PHY 206 General Physics 2 & Lab	4	Engineering Thermodynamics	
IDS 101 Step Into Cottey	2	Women, Gender & Sexuality Course	3	ENGR 222 or 223 (at MCC)	3
PHE 139 Lifetime Fitness Concepts	3	General Elective	3		

Cottey—Fall Semester 2	Hrs	Cottey—Spring Semester 2	Hrs	Summer Semester 2	Hrs
CHE 210/211 General Chemistry 1 & Lab	5	Social Sciences Course	3	Strength of Materials	
MAT 230 Calculus 3	4	MAT 240 Differential Equations	3	ENGR 240 (at MCC)	3
BIO 107 Principles of Biology I with Lab	4	Fine Arts Course	3	Engineering Dynamics	
Humanities Course	3	MAT 130 Elementary Statistics	3	ENGR 230 or 231 (at MCC)	3
		General Elective	3		

Transfer-In Guide (Cottey College) – Civil Engineering BS (UMKC)

UMKC—Fall Semester 1	Hrs	UMKC—Spring Semester 1	Hrs	UMKC—Summer Semester 1	Hrs
CIV-ENGR 111 First Year Cornerstone	1	CIV-ENGR 190 Special Topics	1	MEC-ENGR 130 Engineering Graphics	3
CIV-ENGR 113 Engineering Measurements	1	MATH 345L Differential Equations Lab	1		
CIV-ENGR 351 Fluid Mechanics	3	CIV-ENGR 323 Structural Steel Design	3		
CIV-ENGR 335 Soil Mechanics	3	CIV-ENGR 378WI Civil Engineering Materials	3		
CIV-ENGR 467 Construction Management	3	CIV-ENGR 497 Engineering Hydrology	3		
CIV-ENGR 321 Structural Analysis	4	E&C-ENGR 216 Engineering Computation	4		

UMKC—Fall Semester 2	Hrs	UMKC—Spring Semester 2	Hrs	UMKC—Summer Semester 2	Hrs
CIV-ENGR 411 System Design I	2	CIV-ENGR 342 Intro to Environmental Eng	3		
CIV-ENGR 422WI Reinforced Concrete	3	CIV-ENGR 412 System Design II	3		
CIV-ENGR 432 Foundation Engineering	3	CIV-ENGR 481 Intro to Transportation	3		
CIV-ENGR Elective	3	CIV-ENGR Elective	3		
CIV-ENGR Elective	3	CIV-ENGR Elective	3		