

MWSU—Fall Semester 1	Hrs	MWSU—Spring Semester 1	Hrs	UMKC—Summer Semester 1	Hrs
UNV 101 The University Experience	1	CET 254 Construction Methods & Equipment	4	PHYSICS 240 Physics for Sci & Engineers I	5
CET 105 Construction Materials	3	CET 256 Bituminous, Concrete & Soils	3	MATH 250 Calculus III	4
ENG 104 College Writing/Rhetoric	3	COM 104 Oral Communication	3		
EGT 205 Computer-Aided Drafting I	3	EGT 215 Computer-Aided Drafting II	3		
MATH 167 Calculus w/Analytical Geometry I	5	MATH 177 Calculus w/Analytical Geometry II	5		

MWSU—Fall Semester 2	Hrs	MWSU—Spring Semester 2	Hrs	UMKC—Summer Semester 2	Hrs
CET 202 Surveying 1	3	CET 260 Mechanics of Materials	4	PHYSICS 250 Physics for Sci & Engineers II	5
EGT 265 Statics [^]	3	CHE 111 General Chemistry I	5	Humanities & Fine Arts Course	3
CET 360 Construction Management	3	CHE 112 Problem Solving for General Chem I	1		
CET 315 Mechanical Systems	3	CET 270 Electrical Installations	3		
Humanities & Fine Arts Course	3	CET 351 Construction Estimating I	3		

MWSU—Fall Semester 3	Hrs	MWSU—Spring Semester 3	Hrs	UMKC—Summer Semester 3	Hrs
CET 308 Analysis of Structures	3	EGT 350 Engineering Documentation	3	MATH 345 Ordinary Differential Equations	3
CET 451 Construction Estimating II	2	EGT 370 Financial Aspects for Eng Projects	2	MATH 345L Ordinary Differential Equations Lab	1
CET 458 Soil Mechanics & Foundations	3	CET 408 Design of Concrete/Masonry Structures	3	Social & Behavioral Sciences Course	3
ENG 108 or ETC 200 College Writing or Intro to Technical Communication	3	CET 456 Construction Contracts Admin*	3		
Humanities & Fine Arts Course	3	CET 480 Construction Planning & Scheduling	3		
Constitution Course (History or Pol Sci)	3	Social & Behavioral Sciences Course	3		

UMKC—Fall Semester 4	Hrs	UMKC—Spring Semester 4	Hrs	UMKC—Summer Semester 4	Hrs
STAT 235 Elementary Statistics	3	CIV-ENGR 323 Structural Steel Design**	3		
CIV-ENGR 321 Structural Analysis***	4	CIV-ENGR 378WI Civil Engineering Materials	3		
CIV-ENGR 335 Soil Mechanics	3	CIV-ENGR 497 Engineering Hydrology	3		
CIV-ENGR 467 Construction Management	3	CIV-ENGR 351 Fluid Mechanics	3		
CIV-ENGR 113 Engineering Measurements	1	CIV-ENGR Special Topics	1		
GEOLOGY 220 or BIOLOGY 108	3	E&C-ENGR 216 Engineering Computation	4		

UMKC—Fall Semester 5	Hrs	UMKC—Spring Semester 5	Hrs	UMKC—Summer Semester 5	Hrs
CIV-ENGR 411 System Design I	2	CIV-ENGR 412 System Design II	3		
CIV-ENGR 422WI Reinforced Concrete	3	CIV-ENGR 481 Intro to Transportation	3		
CIV-ENGR 432 Foundation Engineering	3	CIV-ENGR 342 Intro to Environmental Eng	3		
CIV-ENGR Elective 3XX-4XX	3	CIV-ENGR Elective 3XX-4XX	3		
CIV-ENGR Elective 3XX-4XX	3				

[^]If EGT 265 is not offered, students must work with MWSU dual degree coordinator to take EGT 260 and complete additional material via independent study.

* Can petition for one upper-level MWSU elective to count as one UMKC CIV-ENGR Elective.

**CIV-ENGR 321 & CIV-ENGR 323 reverse transfer as CET 358 at MWSU.

PROGRAM NOTE: Dual Degree students are exempt from EGT 490 (Engineering Technology Internship)-1CR

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

Missouri Western State University
Wilson Hall 193 · 4525 Downs Drive
816-271-5820 · etech@missouriwestern.edu · missouriwestern.edu