

BACHELOR OF SCIENCE IN CIVIL ENGINEERING, 2019-2020

For more information about policies and requirements, please see the [UMKC 2019-20 Catalog](#).

FIRST YEAR

FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
MATH 266 Accelerated Calculus I	4	MATH 268 Accelerated Calculus II	3
CHEM 211 General Chemistry I (FOCUS B)	4	PHYS 240 Physics for Scientists & Engineers I (FOCUS Elective)	5
CHEM 211L General Chemistry I Lab	1	CE 111 First Year Cornerstone (or CE Elective)	3
Anchor I Reasoning & Values Recommend: ANCH 150 Computing, Engineering & Society	3	FOCUS C Human Actions, Values & Ethics Recommend: HIST 101, 102, or POLS-SCI 210 to fulfill the Constitution Requirement	3
DISC 100 Discourse I	3	ME 130 Engineering Graphics	3
Shop Safety Class (Take CIMM 101 at MCC)*	1		
TOTAL	16	TOTAL	17

SECOND YEAR

FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
MATH 250 Calculus III	4	MATH 345 Differential Equations	4
PHYS 250 Physics for Scientists & Engineers II	5	CE 276 Strength of Materials	3
CE 275 Engineering Statics	3	CE 351 Fluid Mechanics	3
ECE 216 Engineering Computation	4	Anchor II Culture & Diversity	3
		DISC 200 Discourse II	3
TOTAL	16	TOTAL	16

THIRD YEAR

FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
CE 319 Engineering Computation and Statistics	3	CE 318 Geographic Information Systems For Engineers	3
CE 321 Structural Analysis	4	CE 335 Soil Mechanics	3
CE 378WI Civil Engineering Materials	3	CE 497 Engineering Hydrology	3
CE 401SV Fundamentals of Surveying	1	CE Interest Area Elective	3
CE 467 Construction Management	3	CE Interest Area Elective	3
FOCUS A Arts & Humanities	3	OSHA Construction Safety (online)	-
TOTAL	17	TOTAL	15

FOURTH YEAR

FALL SEMESTER	HOURS	SPRING SEMESTER	HOURS
CE 411 System Design I	2	ANCH 311 (CE 412) System Design II	3
CE 422WI Reinforced Concrete	3	DISC 300 Discourse III	3
CE 432 Foundation Engineering	3	CE Interest Area Elective	3
CE Interest Area Elective (300-400 level)	3	CE Interest Area Elective (300-400 level)	3
CE Interest Area Elective (300-400 level)	3	CE Interest Area Elective (300-400 level)	3
TOTAL	14	TOTAL	15

*Can be taken any semester before CE 378WI.

Total Credits to Graduate: 126

CE Elective Interest Areas: Structural; Water Resources; Geotechnical & Materials; Construction Management; General.