

Civil Engineering								
	UI Course #	University of Iowa Course Title	SH		KCC Course #	Kirkwood Course Title	SH	
Semester 1								
Fall	MATH:1550	Engineering Math I: Single Variable Calculus	4	BOTH	MAT 210	Calculus I	4	
					MAT 216	Calculus II	4	
	ENGR:1100	Engineering Problem Solving I	3		EGR 160	Engineering I	3	
	CHEM:1110	Principles of Chemistry I	4		CHM 165	General Chemistry I	4	
	RHET:1030		Rhetoric (Choose one in each section: Writing Component 1, Writing Component 2, Speech Component)	4	CHOOSE 1	ENG 105	Composition I (Writing Component I)	3
						ENG 106	Composition II (Writing Component II)	3
						ENG 108	Composition II: Tech (Writing Component II)	3
ENG 120						College Writing (Writing Component II)	5	
CHOOSE 1	SPC 101	Fund. of Oral Comm. (Speech Component)	3					
	SPC 112	Public Speaking (Speech Component)	3					
ENGR:1000	Engr Success for First Year Students	1*		No equivalent course offered				
	Total		16					
Semester 2								
Spring	MATH:1560	Engineering Math II: Multi-Variable Calculus	4		MAT 219**	Calculus III	4	
	ENGR:1300	Engineering Problem Solving II	3	CHOOSE 1	CIS 171	Java Programming I	3	
					CIS 175	Java Programming II	3	
					EGR 167	Engineering II	4	
					CSC 142	Computer Science	4	
	PHYS:1611	Introductory Physics I	4		PHY 212	Classical Physics I	5	
	MATH:2550	Engineering Math III: Matrix Algebra	2		MAT 149	Linear Algebra	3	
	General Education Component #1	3						
	Total		16					
Semester 3								
Fall	MATH:2560	Engineering Math IV: Differential Equations	3		MAT 227	Differential Equations/LaPlace	4	
	PHYS:1612	Introductory Physics II	4		PHY 222	Classical Physics II	5	
	ENGR:2110	Engineering Fundamentals I: Statics	2		EGR 180	Statics	3	
	ENGR:2120	Engineering Fundamentals II: Electrical Circuits	3		EGR 285	Introduction to Electrical Science	4	
	ENGR:2130	Engineering Fundamentals III: Thermodynamics	3		EGR 290	Thermodynamics	3	
	CEE:1030	Intro to Earth Science (no Lab req)	3		No equivalent course offered			
		Total		18				

Semester 4						
Spring	STAT:2020	Probability and Stat for Engineering & Phys Sci	3		No equivalent course offered	
	ENGR:2710	Dynamics	3		EGR 280	Dynamics 3
	ENGR:2750	Mechanics of Deformable Bodies	3		EGR 380	Mechanics of Deformable Bodies 3
	CEE:2010	CEE Professional Practice and Ethics	1		No equivalent course offered	
	CEE:3763	Principles of Transportation	3		No equivalent course offered	
		General Education Component #2	3			
	Total	16				
Semester 5						
Fall	CEE:2015	Civil Engineering Tools	2		No equivalent course offered	
	CEE:3530	Geomechanics	4		No equivalent course offered	
	CEE:3533	Principles of Structural Engineering	4		No equivalent course offered	
	ENGR:2510	Fluid Mechanics	4		No equivalent course offered	
		Elective Focus Area #1	3			
	CEE:3001	Leadership Skills for Engineers	1		No equivalent course offered	
	Total	18				
Semester 6						
Spring	CEE:3155	Principles of Environmental Engineering	4		No equivalent course offered	
	CEE:3371	Principles of Hydraulics and Hydrology Engin	3		No equivalent course offered	
	CEE:3586	Civil Engineering Materials	3		No equivalent course offered	
		Elective Focus Area #2	3			
		General Education Component #3	3			
	CEE:3002	Technical Communication in CEE	1		No equivalent course offered	
	Total	17				
Semester 7						
Fall		Civil and Env. Engr Design Course	3		No equivalent course offered	
		Civil and Env. Engr Design Course	3		No equivalent course offered	
		Elective Focus Area #3	3			
		Elective Focus Area #4	3			
		General Education Component #4	3			
	CEE:3003	Project Management Skills	1		No equivalent course offered	
	Total	16				
Semester 8						
Spring	CEE:3084/4850	Project Design & Management in Civil Engr	3		No equivalent course offered	
		Elective Focus Area #5	3			
		Elective Focus Area #6	3			
		Elective Focus Area #7	3			
		General Education Component #5	3			
	Total	15				

2017-18 Curriculum

updated June 2018

* 1sh; does not count toward 128 sh total required for graduation

**Students must have completed Calculus I, II, and III to receive credit for Engineering Math II