

**TYPICAL FOUR-YEAR SCHEDULE OF COURSES**  
**B.S. IN CIVIL ENGINEERING -- ENVIRONMENTAL ENGINEERING CONCENTRATION**

<u>Fall Semester</u>		<u>FRESHMAN YEAR</u>				<u>Spring Semester</u>		
CE 191*	Introduction to Civil Eng.	2	CE 192	Civil Engineering Graphics	3			
ENGL 101	Composition ( <i>KU Core: GE2.1</i> )	3	ENGL 102	Critical Reading & Writing ( <i>GE2.1</i> )	3			
MATH 121	Calculus I ( <i>GE1.2</i> )	5	MATH 122	Calculus II	5			
CHEM 150	Chemistry for Engineers ( <i>GE3N</i> )	5	PHSX 211	General Physics I ( <i>GE1.1</i> )	4			
		15		Humanities elective ( <i>GE3A&amp;H</i> ) <sup>1</sup>	3			
					18			
			<u>SOPHOMORE YEAR</u>					
CE 301	Statics & Dynamics	5	CE 310	Strength of Materials	4			
PHSX 216	General Physics I Laboratory	1	CE 240	Surveying	3			
PHSX 212	General Physics II	3	ECON 104	Introductory Economics ( <i>GE3S</i> )	4			
MATH 220	Applied Differential Equations	3	EECS 137	Visual Basic for Engineers	3			
MATH 290	Elementary Linear Algebra	2		Basic science elective	3			
COMS 130	Speaker-Aud. Comm. ( <i>GE2.2</i> )	3			17			
		17						
			<u>JUNIOR YEAR</u>					
CE 330	Fluid Mechanics	4	CE 455	Hydrology	3			
CE 412/484	Structural/Transp. Materials	3	CE 477	Intro to Environ. Engr. & Sci.	3			
CE 461	Structural Analysis	4	CE 487	Soil Mechanics	4			
MATH 526	Applied Mathematical Stat.	3	CE 562/563	Structural design elective	3			
Humanities/Social science elective ( <i>AE4.1</i> ) <sup>1</sup>		3		Basic engineering science elective	3			
		17			16			
			<u>SENIOR YEAR</u>					
CE 552	Water Res. Engr. Design	4	CE 574/755/757	Environ. design elective	3			
CE 570&571/573	Environ. principles elect.	3	CE 576	Mun. Water/Wastewater ( <i>AE6.12</i> )	4			
CMGT 357	Engineering Economics	3	CMGT 500/CE 582/588	CE design elective	3			
Basic engineering science elective		3		Humanities/Social science elective ( <i>AE4.2</i> ) <sup>1</sup>	3			
Ethics and Social Responsibility elective ( <i>G5E</i> )		3		General elective	3			
		16			16			

**TOTAL HOURS REQUIRED FOR DEGREE<sup>2</sup> = 132**

\* Recommended but not required.

<sup>1</sup> Humanities or Social Science courses. At least of one of each is required plus an additional Humanities or Social Science elective. The electives must satisfy *KU Core* requirements for *GE3* Arts and Humanities, *AE4.1* Diversity of the United States and *AE4.2* Global Awareness. Courses may be found at [kucore.ku.edu](http://kucore.ku.edu).

<sup>2</sup> **The Fundamentals of Engineering (F.E.) Exam is also a requirement of this degree program.**