



**BACHELOR of Science in Civil Engineering**

Department of Engineering

Ogden College of Science and Engineering

Western Kentucky University

The suggested program of study shown below should be used in consultation with your advisor(s). Every student will finish with a unique plan of his/her own depending on the electives selected.

**SAMPLE - 4 year plan**

<b>FIRST YEAR</b>	<b>Fall Semester</b>		<b>Spring Semester</b>	
	MATH 136 Calculus I (F-QR)	3	ENG 100 Intro to College Writing (F-W1)	3
	Arts & Humanities (E-AH)	3	COMM 145 Fund of Public Speaking & Communications (F-OC)	3
	GEOL 111 (w/ 113 Lab) The Earth (E-NS, SL)	4	MATH 137 Calculus II	3
	AMS 163 Architectural Drafting	3	PHYS 255 (w/ 256 Lab) University Physics I	5
	CE 176 Civil Engineering Freshman Design	1	CE 160 (w/ 161 Lab) Principles of Surveying	4
	<b>TOTAL CREDIT HOURS</b>	<b>14</b>	<b>TOTAL CREDIT HOURS</b>	<b>18</b>

<b>SECOND YEAR</b>	<b>Fall Semester</b>		<b>Spring Semester</b>	
	CHEM 120 (w/ 121 Lab) College Chemistry (E-NS)	5	ENG 200 Intro to Literature (E-AH)	3
	CE 303 (w/ 304 Lab) Construction Management	4	EM 303 Mechanics of Deformable Solids	3
	MATH 237 Multivariable Calculus	4	CE 310 Strengths of Materials Lab	1
	EM 222 Statics	3	MATH 331 Differential Equations	3
			PHYS 265 (w/ 266 Lab) University Physics II	3
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>13</b>

**World Language Proficiency:** All students entering in Fall 2014 or later must demonstrate proficiency in a world language at the Novice High level before completing 60 credit hours. Novice high is the ability to communicate in writing and speaking on familiar topics in simple sentences. To meet this requirement, students may take college language courses or take a proficiency test. For more information go to [www.wku.edu/modernlanguages/placement/](http://www.wku.edu/modernlanguages/placement/).

**Colonnade Plan:** All students entering in fall 2014 or later must complete 39 hours in 13 specific Colonnade areas. Colonnade areas are listed in parentheses marked in blue after the corresponding classes. Some areas may have specific course requirements while others can be chosen from selected lists of options. For more details and to see lists of options, go to [http://www.wku.edu/colonnade/documents/approved\\_colonnade\\_courses\\_website.pdf](http://www.wku.edu/colonnade/documents/approved_colonnade_courses_website.pdf)

THIRD YEAR	Fall Semester		Spring Semester	
<b>Students are required to select three successive technical electives with the assistance of their academic advisor.</b>	CE 382 Structural Analysis	3	ENG 300 Writing in the Disciplines (F-W1)	3
	CE 370 (w/ 371 Lab) Materials of Construction	3	CE 332 Transportation Engineering	3
	CE 305 Risk Analysis	3	CE 316 Equipment & Methods	3
	CE 410 (w/ 411 Lab) Soil Mechanics	4	CE Tech Elective (see note)	3
	CE 342 Fluid Thermal Science	3	CE 412 Foundation Engineering	3
			CE 384 Reinforced Concrete Design	3
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>18</b>

FOURTH YEAR	Fall Semester		Spring Semester	
	HIST 101 World History I <b>OR</b> HIST 102 World History II (F-SB)	3	CE 461 Hydrology	3
	Social and Behavioral Sciences (E-SB)	3	CE Tech Elective	3
	CE 352 Intro to Environmental Engineering	3	CE 498 Senior Project	3
	CE Tech Elective	3	Connections: Local to Global Course (K-LG)	3
	CE 400 Civil Engineering Senior Design Seminar	1	Connections: Social and Cultural (K-SC)	3
	Connections: Systems (K-SY)	3		
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

**Total Credit Hours: 126**

**For more Information:**

**Department:** Department of Engineering  
**Website:** <http://www.wku.edu/engineering>  
**Phone:** (270) 745-2461