



BACHELOR of SCIENCE in CIVIL ENGINEERING (#534)

School of Engineering and Applied Sciences
 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 – Finish in Four Plan

| FIRST YEAR | | | |
|--|-----------|--|-----------|
| Fall Semester | | Spring Semester | |
| MATH 136 Calculus I (F-QR) | 4 | CE 160 (w/ 161 Lab) Principles of Surveying | 4 |
| ENG 100 Intro to College Writing (F-W1) | 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 | 4 |
| AMS 163 Architectural Drafting | 3 | PHYS 255 (w/ 256 Lab) University Physics I | 5 |
| CE 176 Civil Engineering Freshman Design | 1 | | |
| TOTAL CREDIT HOURS | 15 | TOTAL CREDIT HOURS | 16 |

| SECOND YEAR | | | |
|--|-----------|---------------------------------------|-----------|
| Fall Semester | | Spring Semester | |
| 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 |
| | | Science or Math Elective | 3 |
| | | Arts & Humanities Elect | 3 |
| TOTAL CREDIT HOURS | 16 | TOTAL CREDIT HOURS | 16 |

| THIRD YEAR | | | |
|---|-----------|-----------------------------------|-----------|
| Fall Semester | | Spring Semester | |
| CE 382 or 373 Structural Analysis | 3 | CE 316 Equipment & Methods | 3 |
| CE 370 (w/ 371 Lab) Materials of Construction | 3 | CE 332 Transportation Engineering | 3 |
| CE 342 Fluid Thermal Science | 4 | CE 305 Risk Analysis | 3 |
| CE 410 (w/ 411 Lab) Soil Mechanics | 4 | CE Tech Elective | 3 |
| Writing in Discipline Elective | 3 | CE 412 Foundation Engineering | 3 |
| | | CE 384 Reinforced Concrete Design | 3 |
| TOTAL CREDIT HOURS | 17 | TOTAL CREDIT HOURS | 18 |

| FOURTH YEAR | | | |
|---|-----------|--|-----------|
| Fall Semester | | Spring Semester | |
| HIST 101 World History I OR HIST 102 World History II (F-SB) | 3 | CE 461 Hydrology | 3 |
| Social and Behavioral Sciences Elective (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 Elective (K-LG) | 3 |
| CE 400 Civil Engineering Senior Design Seminar | 1 | Connections: Social and Cultural Elective (K-SC) | 3 |
| Connections: Systems Elective (K-SY) | 3 | | |
| TOTAL CREDIT HOURS | 16 | TOTAL CREDIT HOURS | 15 |

Total Credit Hours: 130

For more details and courses offered in the Colonnade General Education program visit the [website](#).

World Language Requirement: Language Proficiency of novice-high before completing 60 credit hours is required (or completion of 2nd level of a language). Two credits (or equivalent) of a single world language in High School satisfies this WKU requirement.

* Some courses are 4 or 5 credit hours and determined by career path

Student must receive a "C" or better in each of the introductory biology courses and in some supporting courses

For more Information: **Department:** School of Engineering and Applied Sciences
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