

Example Academic Program of Study for the Bachelor of Science in Civil Engineering

Please note - This is a generalize academic road map to help plan your academic career. Using the flowchart appropriate for you degree concentration provides a clear path which insures completion of "critical path" classes while maximizing elective choices.

FRESHMAN YEAR

First Semester - Fall	Credit Hrs
CE 1001 Intro to Civil	1
MA 1713 Calculus I	3
EN 1103 English Composition I	3
CH 1213 Fund. Of Chemistry	3
CH 1211 Invest In Chemistry	1
EG 1143 Graphics +Lab	3
*H/SS/FA	3
Total	17

Second Semester - Spring	Credit Hrs
MA 1723 Calculus II	3
EN 1113 English Composition II	3
CH 1223 Chemistry II	3
CH 1221 Chemistry II Lab	1
PH 2213 Physics I	3
*H/SS/FA	3
Total	16

SOPHOMORE YEAR

First Semester - Fall	Credit Hrs
MA 2733 Calculus III	3
EM 2413 Eng Mechanics I	3
CE 2213 Surveying	3
CE 2803 Env Eng Issues	3
ST 3123 Statistics	3
Total	15

Second Semester - Spring	Credit Hrs
◊Basic Science Elective	3
MA 2743 Calculus IV	3
MA 3253 Diff Equations I	3
EM 3213 Mech Mechanics	3
EM 3313 Fluid Mechanics	3
*H/SS/FA	3
Total	18

JUNIOR YEAR

First Semester - Fall	Credit Hrs
ME 3513 Thermodynamics I	3
CE 3413 Soil Mech	3
CE 4311 Soil Mech Lab	1
CE 3603 Structures	3
CE 3823 Environmental Eng	3
CE 3801 Environmental Eng Lab	1
GE 3513 Tech Writing	3
Total	17

Second Semester - Spring	Credit Hrs
CE 3113 Trans Eng	3
CE 3313 Const Matls	3
CE 3311 Const Matls Lab	1
CE 3503 Water Resources Eng	3
CE 3501 Water Resources Lab	1
IE 3913 Eng Econ +Lab	3
EM 2433 Dynamics	3
Total	17

SENIOR YEAR

First Semester - Fall	Credit Hrs
‡6 Hrs Senior Design Electives	6
#CE Elective	3
•CE Technical Elective	3
*H/SS/FA	3
Total	15

Second Semester - Spring	Credit Hrs
‡6 Hrs Senior Design Electives	6
CE 4903 CE Comp	3
#CE Elective	3
*H/SS/FA	3
Total	15

‡ 6 Hrs Senior Design Electives - Two of Four Courses to provide a senior engineering design or management experience, each selected from one of our seven different technical areas.

CE Elective - Any CE Course except CE 4233 or CE 4243 that is not applied to another curriculum requirement.

• CE Technical Elective - GR 4303 except Environmental Concentration students may substitute a course from a departmentally-approved list.

◊ Basic Science Elective - From a departmentally-approved list of Geology courses and also Biology courses for those in the Environmental Concentration.

*** H/SS/FA** - Humanities, Social Science or Fine Arts Electives from the university approved list for General Education classes.