

Department of Civil and Environmental Engineering

CIVIL ENGINEERING SUGGESTED DEGREE PROGRAM SEQUENCE

2011 - 2012

FRESHMAN YEAR

<i>First Semester</i>	<i>Hours</i>	<i>Second Semester</i>	<i>Hours</i>
ENGL 1123 Freshman Composition I	3	ENGL 1143 Technical Writing	3
MATH 1124 Calculus I	4	Math 2024 Calculus II	4
GNEG 1121 Engr. Appl. Lab II for Math	1	GNEG 2021 Engr. Appl. Lab III for Math	1
ELEG 1043 Computer Appl. In Engineering	3	CHEM 1034 Chemistry for Engineers	4
CVEG 1011 Intro Engr CS Tech	1	CHEM 1021 Inorganic Chem Lab II	1
CVEG 1021 Intro CVEG Lab	1	PHYS 2513 University Physics I	3
SPCH 1003 Fund. Of Speech Communication	3	PHYS 2511 University Physics Lab I	1
Total	16	Total	17

SUMMER SESSIONS

<i>First Semester</i>	<i>Hours</i>
*GNEG 2156 Engineering Cooperative Education I	6
Total	6

SOPHOMORE YEAR

<i>First Semester</i>	<i>Hours</i>	<i>Second Semester</i>	<i>Hours</i>
MATH 2043 Differential Equations I	3	MCEG 2013 Thermodynamics I	3
PHYS 2523 University Physics II	3	ELEG 2053 Intro. To Electrical Engineering	3
PHYS 2521 University Physics Lab II	1	CVEG 2053 Engineering Mechanics II	3
POSC 1113 American Government I	3	CVEG 2063 Mechanics of Materials	3
Science Elective (CHEG 2013/Selected Biology courses)	3	POSC 1123 American Government II	3
CVEG 2043 Engineering Mechanics I	3	CHEG 2003 Eco Anal Tech Appl.	3
CVEG 2001 Emerging Issues in CE	1		
Total	17	Total	18

SUMMER SESSIONS

<i>First Semester</i>	<i>Hours</i>
*CVEG 2156 Civil Engineering Internship I	6
Total	6

JUNIOR YEAR

<i>First Semester</i>	<i>Hours</i>	<i>Second Semester</i>	<i>Hours</i>
MATH 3685 Math for Engineers	5	HIST 1323 U.S. 1876 to Present	3
CVEG 3073 Structural Analysis	3	CVEG 3023 Geotechnical Engineering	3
CVEG 3063 Hydraulics	3	CVEG 3083 Steel Design	3
Humanities Elective	3	CVEG 3053 Transportation Engineering	3
HIST 1313 U.S. to 1876	3	CVEG 3043 Environmental Engineering	3
CVEG 3031 Construction Materials Lab	1	CVEG 3051 Professional Engineering	1
Total	18	Total	16

SUMMER SESSIONS

<i>First Semester</i>	<i>Hours</i>
*CVEG 2156 Civil Engineering Internship II	6
Total	6

SENIOR YEAR

<i>First Semester</i>	<i>Hours</i>	<i>Second Semester</i>	<i>Hours</i>
CVEG 4013 Reinforced Concrete	3	CVEG 4063 Water Resources Engr.	3
CVEG 4053 Transportation Engr. Design	3	Visual & Performing Arts Elective	3
CVEG 4043 Environmental Engr. Design	3	CVEG 4483 Senior Design and Professionalism II	3
CVEG 4473 Senior Design and Professionalism I	3	Behavioral or Social Science Elective	3
Technical Elective	3	Technical Elective	3
Total	15	Total	15

**Course may be taken for credit during summer internship, but is not required in degree plan.*

Total Hours 132