

Civil Engineering Curriculum Worksheet 2017-2018

Freshman Year (General Engineering)			
First Semester		Second Semester	
Course	Taken	Course	Taken
C H 1010 General Chemistry (4)		GEOL 1010 Physical Geology (3)	
ENGL 1030 Composition I (3)		GEOL 1030 Physical Geology Lab (1)	
ENGR 1050/60 Engineering Disciplines and Skills (2)		ENGR 2100 Intro to Engr/Computer Graphics (2)	
MATH 1060 Calculus of One Variable I (4)		ENGR 1070/80/90 Engineering Fundamentals (3)	
Arts, Humanities or Social Science Reqmt. ¹ (3)		MATH 1080 Calculus of One Variable II (4)	
		PHYS 1220 Physics with Calculus I (3)	
		PHYS 1240 Physics Lab (1)	

Sophomore Year			
First Semester		Second Semester	
Course	Taken	Course	Taken
C E 2010 Statics (3)		C E 2080 Dynamics (2)	
MATH 2060 Calculus of Several Variables (4)		MATH 2080 Intro to Ordinary Diff. Equations (4)	
Arts, Humanities or Social Science Reqmt. ¹ (3)		COMM 2500 Public Speaking (3)	
PHYS 2210 Physics with Calculus II (3)		C E 2060 Structural Mechanics (4)	
PHYS 2230 Physics Lab (1)		C E 3520 Economic Evaluation of Projects (2)	
CE 2550 Geomatics (3)			

Junior Year			
First Semester		Second Semester	
Course	Taken	Course	Taken
C E 3010 Structural Analysis (3)		C E 3530 Professional Seminar (1)	
C E 3410 Intro to Fluid Mechanics (4)		C E 3110 Transp Engr Planning & Design (3)	
C E 3510 C E Materials (4)		C E 3210 Geotechnical Engr (4)	
C E 3310 Construction Engr (3)		Design Technical Requirement ² (3)	
MATH 3020 Statistics for Engineering & Sci (3)		EE&S 4010 Environmental Engr (3)	
		C E 3420 Appl Hydraulics & Hydrology (3)	

Senior Year			
First Semester		Second Semester	
Course	Taken	Course	Taken
Technical Requirement Restricted ³ (3)		C E 4590 Capstone Design Project (3)	
Design Technical Requirement ² (3)		Technical Requirement ³ (3)	
Technical Requirement ³ (3)		Arts and Humanities (Literature) Requirement ¹ (3)	
Technical Requirement ³ (3)		Arts and Humanities/Social Science Reqmt. ¹ (3)	
ENGL 3140 Technical Writing (3)		Elective (3)	

Arts, Humanities/Social Science Requirements	
Lit:	CCA:
Non-Lit:	STS:
SS 1	
SS 2	

Technical/Technical Design Requirements

Free Electives

Emphasis Area: _____

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Note: Civil Engineering students may neither enroll in nor receive credit for any CE or EM course unless they have a 2.0 engineering grade-point ratio.

Note: Civil Engineering students enrolling in any CE course (except CE 4590) must have a C grade or better in the prerequisites for that course.

¹ *See Policy on Social Sciences and Humanities for Engineering Curricula. Six of these credit hours must also satisfy General Education Cross-Cultural Awareness and Science and Technology in Society Requirements.*

² *See advisor for approved list.*

³ *See advisor for approved list. Technical Requirements and electives may be used to complete an emphasis area in one or more of the following fields: Applied Fluid Mechanics, Construction, Environmental Engineering, Geotechnical/Geoenvironmental Engineering, Structural Engineering, or Transportation Engineering*

2014-2017 Civil Engineering Curriculum Flowchart

