

CIVIL & ENVIRONMENTAL ENGINEERING BACHELOR OF SCIENCE Curriculum as reflected in the Fall 2010 Catalog (129 hours)

FRESHMAN (35)

FALL			SPRING		
ECIV 111	Intro to Engineering Graphics	3	ECIV 200	Statics	3
CHEM 111	General Chemistry I	4	CHEM 112	General Chemistry II	4
ENGL 101	Critical Reading & Comp.	3	ENGL 102	Rhetoric & Composition	3
MATH 141	Calculus I	4	MATH 142	Calculus II	4
			PHYS		
Liberal Arts	Liberal Arts-Fine Arts	3	211&L	Essentials of Physics I/Lab	4
		17			18

SOPHOMORE (31)

FALL			SPRING		
ECIV 201	Comp. Methods for Civil Engr.	3	ECIV 220	Mechanics of Solids	3
ECIV 210	Dynamics	3	ECIV 360	Fluid Mechanics	3
MATH 241	Vector Calculus	3	MATH 242	Elem. Differential Equations	3
PHYS 212&L	Essentials of Physics II/Lab	4	STAT 509	Statistics for Engineers	3
Liberal Arts	Liberal Arts- History	3	Liberal Arts	Liberal Arts-Prof. Dev.	3
		16			15

JUNIOR (32)

FALL			SPRING		
ECIV 303	Civil Engr. Materials	3	ECIV 330	Intro. Geotechnical Engr.	3
ECIV 320	Structural Analysis I	3	ECIV 362	Intro. Water Resource Mgt.	3
ECIV 340	Intro. To Transportation Engr.	3	ECIV DISTR	ECIV Distribution	3
ECIV 350	Intro. Environmental Engr.	3	ECIV Elect	ECIV Elective	3
ECIV Lab	ECIV Lab	1	ECIV Lab	ECIV Lab	1
Liberal Arts	Liberal Arts-Social Science	3	ESM Elect	ESM Elective	3
		16			16

SENIOR (31)

FALL			SPRING		
ECIV 405	Systems App. In Civil Engr.	3	ECIV DISTR	ECIV Distribution	3
ECIV 470	Civil Engineering Design	4	ECIV Elect	ECIV Elective	3
ECIV DISTR	ECIV Distribution	3	ECIV Elect	ECIV Elective	3
ECIV DISTR	ECIV Distribution	3	ESM Elect	ESM Elective	3
ECIV Elective	ECIV Elective	3	ESM Elect	ESM Elective	3
		16			15

ECIV Distribution: One course from 4 of the following 5 areas:

Environmental: ECIV 551, 555, 556, 557, 558

Geotechnical: ECIV 530

Structures: ECIV 325 or 327

Water Resources: ECIV 560 or 562 or 563

Transportation: ECIV 540, 541 or 542

ECIV Electives (12 hours): ECIV 300, 325, 327, 426, 490, 503, 520, 521, 524, 526, 530, 533, 535, 540, 541, 542, 551, 555, 556, 557, 558, 560, 562, 563, 570, 588.

ECIV Laboratory courses (2 hours): ECIV 303L, 330L, 350L, and 362L.