B.A. In Civil & Environmental Engineering

(Track C: Civil Core Curriculum)

Specializations: The SPEC courses cover general civil engineering topics. Take 7 courses from electives approved by an adviser assigned by the CEE Dept., including at least 4 with the CEVE designation. Of these 7 electives, 4 must be 300 level courses or above.

Sample Degree Plan

THIS IS ONE EXAMPLE OF MANY POSSIBLE SCHEDULES.
CONSULT A DIVISIONAL OR DEPARTMENTAL ADVISER TO CUSTOMIZE YOUR DEGREE PLAN.

FALL			SPRING		
FRESHMAN		**17 credits**	**FRESHMAN**		**17 credits**
MATH 101	Single Variable Calculus I	3	MATH 102	Single Variable Calculus II	3
PHYS 101•	Mechanics w/ Lab	4*	PHYS 102••	Electricity and Magnetism w/ Lab	4*
CHEM 121	General Chemistry I w/ Lab	4*	CHEM 122	General Chemistry w/ Lab	4
CEVE 101	Fundamentals of CEE	3	DIST	Distribution elective	3
FWIS	Freshman Writing	3	OPEN	Open elective	3
SOPHOMORE		**15 credits**	**SOPHOMORE**		**16 credits**
CEVE 211	Engineering Mechanics	3	CAAM 210	Intro to Eng Computation	3*
CEVE 310	Principles of Engineering	3	CEVE 304	Structural Analysis I (SPEC)	3
OPEN	Open elective	3	CEVE 311	Mechanics of Solids & Structures	3
OPEN	Open elective	3	CEVE 312	Strength of Materials Lab	1
OPEN	Open elective	3	DIST	Distribution elective	3
			OPEN	Open elective	3
JUNIOR		**15 credits**	**JUNIOR**		**15 credits**
SPEC	Specialization elective	3	SPEC	Specialization elective	3
SPEC	Specialization elective	3	SPEC	Specialization elective	3
SPEC	Specialization elective	3	DIST	Distribution elective	3
DIST	Distribution elective	3	OPEN	Open elective (SPEC)	3
OPEN	Open elective (SPEC)	3	OPEN	Open elective	3
SENIOR		**16 credits**	**SENIOR**		**15 credits**
SPEC	Specialization elective	3	SPEC	Specialization elective	3
DIST	Distribution elective	3	DIST	Distribution elective	3
OPEN	Open elective	3	OPEN	Open elective	3
OPEN	Open elective (SPEC)	3	OPEN	Open elective	3
OPEN	Open elective	3	OPEN	Open elective	3
LPAP	Lifetime Phys Activity elective	1			

** In addition to class hours, these courses have a regularly scheduled lab and/or discussion session that must fit into your schedule.*

• When registering for PHYS 101, you must also register for PHYS 103, the discussion section for 101.

•• When registering for PHYS 102, you must also register for PHYS 104, the discussion section for 102.

BASIC REQUIREMENTS	General math & science courses	25
	Core Courses in Major	16
ELECTIVE REQUIREMENTS	Specialization area courses	21
	Open electives and LPAP	39
	FWIS and distribution courses	21
	Minimum credit required for the B.A.	122

Of the 122 credits, the B.A. in Civil and Environmental Engineering requires a minimum of 62 credits in general math and science, core, and specialization area courses.

Major Requirements

NUMBER	CREDIT	TITLE
MATH 101	3	Single Variable Calculus I
MATH 102	3	Single Variable Calculus II
PHYS 101•/111	4	Mechanics w/Lab /Honors Mechanics w/Lab
PHYS 102••/112	4*	Electricity and Magnetism w/Lab /Honors Electricity and Magnetism w/Lab
CAAM 210 or 335 or COMP 110/NSCI 230	3	Intro to Engineering Computation/Matrix Analysis/Computation in Science and Engineering/Computation in Science and Engineering
CHEM 121	4*	General Chemistry I w/Lab
CHEM 122	4	General Chemistry II w/Lab
CEVE 101	3	Fundamentals of Civil and Environmental Engineering
CEVE 211	3	Engineering Mechanics
CEVE 304	3	Structural Analysis
CEVE 310	3	Principles of Environmental Engineering
CEVE 311	3	Mechanics of Solids and Structures
CEVE 312	1	Strength of Materials Lab
SPEC	3	Specialization Elective
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•• When registering for PHYS 102, you must also register for PHYS 104, the discussion section for 102.