B.A. In Civil & Environmental Engineering

(Track E: Environmental Core Curriculum)

Specializations: Courses labeled as SPEC cover topics in which environmental engineering and other disciplines share a common interest. Take 7 courses from electives approved by an adviser assigned by the CEE Dept., including 4 from one specific focus area. Of these 7 electives, 4 must be 300 level courses or above, and 2 of these upper-division courses must be from the CEE curriculum. Examples of areas of specialization include environmental science and engineering, civil engineering, biology, chemical engineering, chemistry, economics or management

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 & Magnetism w/Lab	4*
CHEM 121	General Chemistry I w/Lab	4*	CHEM 122	General Chem II w/Lab	4*
CEVE 101	Fundamentals of CEE	3	OPEN	Open elective	3
FWIS	Freshman Writing	3	OPEN	Open elective	3
SOPHOMORE		**15 credits**	**SOPHOMORE**		**16 credits**
CEVE 307	Energy & the Environment	3	CAAM 210	Intro to Engineering	3
DIST	Distribution elective	3	SPEC	Specialization elective	3
OPEN	Open elective	3	OPEN	Open elective	3
OPEN	Open elective	3	DIST	Distribution elective	3
OPEN	Open elective	3	DIST	Distribution elective	3
			LPAP	Lifetime Phys Activity elective	1
JUNIOR		**16 credits**	**JUNIOR**		**15 credits**
CEVE 310	Principles of Engineering	3	SPEC	Specialization elective	3
CEVE 401	Environmental Chemistry w/Lab	4*	SPEC	Specialization elective	3
SPEC	Specialization elective	3	DIST	Distribution elective	3
DIST	Distribution elective	3	OPEN	Open elective	3
DIST	Distribution elective	3	OPEN	Open elective	3
SENIOR		**15 credits**	**SENIOR**		**15 credits**
SPEC	Specialization elective	3	CEVE 412	Hydrology & Water Resources Engineering	3
SPEC	Specialization elective	3	SPEC	Specialization elective	3
OPEN	Open elective	3	OPEN	Open elective	3
OPEN	Open elective	3	OPEN	Open elective	3
OPEN	Open elective	3	OPEN	Open elective	3

** 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
PHYS 102••/112	4*	Electricity and Magnetism w/Lab
CAAM 210 or 335 or COMP110/NSCI 230	3	Introduction 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 & Environmental Engineering
CEVE 307	3	Energy and the Environment
CEVE 310	3	Principles of Environmental Engineering
CEVE 401	4*	Environmental Chemistry and Lab
CEVE 412	3	Hydrology and Water Resources Engineering
SPEC	3	Specialization elective
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• 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.