

Civil Engineering

Environmental Engineering Concentration

Fall 2023

	Fall		Spring		
Freshman	MAT 211 - Calculus 1	4	MAT 212 - Calculus 2	4	
	PHY 205/124 - Physics 1	4	PHY 206/126 - Physics 2	4	
	ENGR 100 - Seminar 1	1	ENGR 120 - Programming for Engineers	3	
	ENGR 110 - Modeling & Simulation	3	MECH 100 - Engineering Graphics	3	
	UNIV 101 - First Year Seminar	3	ENG 114 - Writing Intensive First Year Seminar	3	
		15		17	32
Sophomore	MAT 213 - Calculus III	4	MAT 322 - Differential Equations	3	
	CHM 121/125 - Chemical Bonding	4	HCS 100 - Introduction to Human Communication	3	
	ENGR 200 - Seminar 2	1	MECH 230 - Mechanics of Materials	4	
	MECH 200 - Statics	3	MECH 210 - Dynamics	4	
	CIVE 110 - Introduction to Surveying	3	ESS 210 - Physical Geology	3	
		15		17	64
Upper Division Even	MAT 375 - Prob. & Stats for Engineers	4	CIVE 350 - Soil Mechanics	4	
	ENGR 300 - Seminar 3	1	CIVE 330 - Environmental Engineering	3	
	MECH 220 - Fluid Mechanics	4	CIVE 340 - Design of Concrete Structures	3	
	General Education #1	3	ECO 101 - Principles of Macroeconomics	3	
	CIVE 300 - Structural Analysis	3	CIVE 420 - Transportation Engineering	3	
	CIVE 320 - Construction Methods and Materials	3			
		18*		16	98
Upper Division Odd	CIVE 499 - Civil Engineering Capstone	4	Civil Engineering Elective	3	
	CIVE 331 - Hydraulic Engineering	3	HIS 105 - World History I	3	
	CIVE 436 - Engineering Hydrology	3	CIVE 450 - Waste Management	3	
	General Education #2	3	General Education #3	3	
	CIVE 440 - Water and Wastewater Treatment	3	General Education #4	3	
		15		15	128

* Students are advised to take two 3 credit general education electives during any summer/winter term to reduce their credit load during these semesters.