

# Civil Engineering

## Environmental Engineering Concentration

Fall 2018 / UCC 17-015

	Fall		Spring		
<b>Freshman</b>	MAT211 - Calculus 1	4	MAT212 - Calculus 2	4	
	PHY205/123 - Physics 1	4	PHY206/125 - Physics 2	4	
	ENGR100 - Seminar 1	1	ENGR120 - Programming for Engineers	3	
	ENGR110 - Modeling & Simulation	3	HCS100 - Human Communication	3	
	UNIV101 - First Year Seminar	3	ENG114 - Writing Intensive First Year Sem	3	
		15		17	32
<b>Sophomore</b>	MAT213 - Calculus III	4	MAT322 - Differential Equations	3	
	CHM121/125 - Chemical Bonding	4	HIS105 - History 1	3	
	ENGR200 - Seminar 2	1	CIVE200 - Mechanics of Materials	4	
	MECH200 - Statics	3	MECH210 - Dynamics	4	
	CIVE110 - Measurements & CAD	3	ESS210 - Physical Geology	3	
		15		17	64
<b>Upper Division Even</b>	MAT318 - Elementary Linear Algebra	3	CIV350 Soil Mechanics	4	
	ENGR300 - Seminar 3	1	CIVE440 - Water and Wastewater Treatment	3	
	MECH220 - Fluids	4	CIVE499 Civil Engineering Capstone or General Education #3	3	
	General Education #1	3	GEO226 - Hydrology	3	
	CIVE300 - Structural Analysis	3	General Education #7	3	
	CIVE330 - Envir. Engineering / Gened #2	3			
		17		16	97
<b>Upper Division Odd</b>	MAT375 - Prob & Statistics for Engineers	4	CIVE340 - Reinforced Concrete Structures	3	
	CIVE320 - Construction methods and materials	3	CIVE410 - Foundation engineering	3	
	CIVE330 - Envirn Engineering / Gened #2	3	CIV450 - Waste Management	3	
	General Education #4	3	CIVE499 Civil Engineering Capstone or General Education #3	3	
	General Education #5	3	Civil Engineering Elective	3	
	General Education #6	3	ENGR310 Statistical Process Control	3	
		19*		18*	134

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

Upper Division Even: Academic years that have an even fall: 2018-2019, 2020-2021, 2022-2023

Upper Division Odd: Academic years that have an odd fall: 2017-2018, 2019-2020, 2021-2022