Civil Engineering – Environmental Specialization

2015-2016 Catalog
130 Total Credits

First Year

Semester 1		Semester 2	
3	CE 160 (Engr Problem Solving)	1	CE 105 (Intro to Profession)
4	Chem 177 (General Chemistry I)	3	CE 111 (Surveying I)
1	Chem 177L (Gen Chemistry Lab)	2	CE 170 (Civil Engr Graphics)
3	Engl 150 (Critical Think Comm)	4	Math 166 (Calculus II)
4	Math 165 (Calculus I)	5	Phys 221 (Classical Physics I)
1	Lib 160 (Library)	3	SSH Elective
R	Engr 101 (Engr Orientation)		
0	CE 120 (optional-Learning Community)		
16 Total Credits		*18 Total Credits*	

Sophomore Year

Semester 3		Semester 4	
3	Engl 250 (WOVE Comp)	3	CE 206 (Economic Analysis)
3	EM 274 (Statics)	3	EM 324 (Mechanics of Materials)
3	Chem 178 (General Chemistry II)	3	Chem 231 (Organic Chemistry)
1	Chem 178L (Gen Chemistry II Lab)	1	Chem 231L (Organic Chem Lab)
4	Math 265 (Calculus III)	3	Math 266 (Differential Equations)
3	Geol 201 (Geology for Engineers)	3	Statistics Elective
17 Total Credits		*16 Total Credits*	

Junior Year

Semester 5		Semester 6	
3	CE 326 (Environmental Engr)	3	CE 334 (Concrete Design I)
3	CE 332 (Structural Analysis I)	3	CE 372 (Engr Hydro & Hydraulics)
3	CE 360 (Geotechnical Engineering)	3	CE 382 (Design of Concretes)
3	EM 378 (Mechanics of Fluids)	3	CE 306 (Project Management)
1	EM 327 (Mechanics of Materials Lab)	3	Biol 173 or 211 (Biology)
3	Technical Communication Elective	3	CE 355 (Transportation Engr)
16 Total Credits		*18 Total Credits*	

Senior Year

Semester 7		Semester 8	
3	CE 420 (Environmental Engr Chem)	R	CE 403 (Outcomes Assessment)
3	CE 421 (Envr Biotechnology)	3	CE 428 (Treatment Plant Design)
2	Micro 201 (General Microbiology)	3	CE 485 (CE Design I)
3	SSH Elective	3	SSH Elective
3	CE Design Elective	3	SSH Elective
3	Sp Cm 212 (Public Speaking)		
17 Total Credits		*12 Total Credits*	

Shading indicates Basic Program courses