# **Civil Engineering - General Program**

2018-2019 Catalog

### **129 Total Credits**

First Year				
Semester 1 Semester 2			nester 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	SP CM 212 (Public Speaking)	
R	Engr 101 (Engr Orientation)	0	CE 120 (optional-Learning Community)	
0	CE 120 (optional-Learning Community)			
16 Total Credits		18	Total Credits	
Sophomore Year				
Semester 3		Sen	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	EM 378 (Mechanics of Fluids)	
1	Chem 178L (Gen Chemistry II Lab)*	3	CE 306 (Project Management)	
4	Math 265 (Calculus III)	3	Math 266 (Differential Equations)	
3	Geol 201 (Geology for Engineers)	3	Statistics Elective	
17 Total Credits		18	18 Total Credits	
Junior Year				
Semester 5		Sen	Semester 6	
3	CE 332 (Structural Analysis I)	3	CE 334 (Concrete Design I)**	
3	CE 360 (Geotechnical Engineering)	3	CE 372 (Engr Hydro & Hydraulics)	
1	EM 327 (Mechanics of Materials Lab)	3	CE 382 (Design of Concretes)	
3	EM 345 (Dynamics)	3	CE 326 (Environmental Engr)	
3	Technical Communication Elective	3	Engineering Topics Elective	
3	CE 355 (Transportation Engr)	3	SSH Elective	
16 Total Credits		18	Total Credits	
Senior Year				
Semester 7			Semester 8	
3	CE 333 (Steel Design I)**	R	CE 403 (Outcomes Assessment)	
3	Engineering Topics Elective	3	CE 485 (CE Design)	
2	Engineering Topics Elective	3	Engineering Topics Elective	
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CE Design Elective

**SSH Elective** 

12 Total Credits

3

## 14 Total Credits

3

### Shading indicates Basic Program courses

SSH Elective (US Diversity)

SSH Elective (Intntl. Perspective)

<sup>\*</sup> Phys 222 may be substituted for Chem 178/178L

<sup>\*\*</sup> CE 460 may be substituted for CE 333 or CE 334