Civil Engineering - General Option

2024-2025 Catalog

129 (or 130) Total Credits

Freshman Year

Semester 1		Semester 2	
3	CE 1600 (Engineering Problems)	2	CE 1700 (Graphics for CE)
1	CE 1200 (Learning Community)	4	MATH 1660 (Calculus II)
4	CHEM 1670 (General Chemistry for Engr)	4	PHYS 2310 (Classical Physics I)
1	CHEM 1670L (Gen Chemistry Lab)	1	PHYS 2310L (Physics I Lab)
3	ENGL 1500 (Critical Think Comm)	3	SPCM 2120 (Public Speaking)
4	MATH 1650 (Calculus I)		
1	LIB 1600 (College Level Research)		
R	ENGR 1010 (Engr Orientation)		
17 Total Credits		*14 Total Credits*	

Sophomore Year

		Semester 4	
3	CE 2740 (Statics)	3	CE 1110 (Geomatics)
4	CHEM 1780 & 1780L (Gen Chem II & Lab)	3	EM 3240 (Mechanics of Materials)
(5)	(OR PHYS 2320 & 2320L - Physics II & Lab)	3	ABE 3780 (Mechanics of Fluids)
4	MATH 2650 (Calculus III)	3	CE 3060 (Project Management)
3	GEOL 2010 (Geology for Engineers)	3	MATH 2660 (Elem. Differential Equations)
3	ENGL 2500 (WOVE Comp)	3	Statistics Elective
17 (18) Total Credits		*18 Total Credits*	

Junior Year

Semester 5		Semester 6	
3	CE 3320 (Structural Analysis I)	3	CE 3330 (Steel Design I)*
3	CE 2060 (Econ Analysis & Prof. Issues)	3	CE 3720 (Hydrology & Hydraulics)
4	CE 3600 (Geotechnical Engineering)	3	CE 3820 (Design of Concretes)
1	EM 3270 (Mechanics of Materials Lab)	3	CE 3550 (Transportation Engineering)
3	ME 3450 (Dynamics)	2	Engineering Topics Elective
3	Technical Communication Elective	3	SSH Elective
17 Total Credits		*17 Total Credits*	

Senior Year

Semester 7		Semester 8	
3	CE 3340 (Concrete Design I)*	R	CE 4030 (Program Assessment)
3	CE 3260 (Environmental Engineering)	3	CE 4850 (CE Design)
3	Engineering Topics Elective	3	Engineering Topics Elective
2	Engineering Topics Elective	3	CE Design Elective
3	International Perspective Elective	3	SSH Elective
3	US Cultures & Communities Elective		
17 Total Credits		*12 Total Credits*	

** CE 4600 may be substituted for CE 3330 or CE 3340*