

**CIVIL ENGINEERING PROGRAM
PROGRAM CHECKLIST
AY2023-24**

FIRST ACADEMIC YEAR (FRESHMEN)											
FIRST SEMESTER	CLASS (UNIT)	DESCRIPTION	UNIT	DATE	GRADE	SECOND SEMESTER	CLASS	DESCRIPTION	UNIT	DATE	GRADE
	CE 1/ENGR 1	CE Orientation	1					CE 2	Engr Comm & Essen	1	
(B4) MATH 75	Calc I	4				MATH 76	Calc II	4			
(A1) COMM 3,7,8	Oral Comm	3				PHYS 4A	Mech and Wave	3			
(A2) ENGL 10	Written Comm	3				PHYS 4AL	Mech/Wave Lab	1			
(B2) BIOL 10	Life Science	3				GME 66L	Engr Graphics	1			
						(D1) HIST 11,12	US History	3			
						PLSI 2	FED, STE, & LCL GOV	3			
	TOTAL		14				TOTAL		16		
SECOND ACADEMIC YEAR (SOPHOMORES)											
THIRD SEMESTER	CLASS	DESCRIPTION	UNIT	DATE	GRADE	FOURTH SEMESTER	CLASS	DESCRIPTION	UNIT	DATE	GRADE
	CE 20	Statics	3				EES 1	Natural rss	4		
MATH 77	Calc III	4				(C2) PHIL 1/2/10/20	Humanities	3			
(D2) An Area D2 course	Social Science	3				MATH 81/ENGR 101	Calc IV	3			
(B1) CHEM 3A/1A	Physical Science	4				GME 15	Surveying	3			
PHYS 4B	Magnetism/Heat	3				GME 15L	Surveying Lab	1			
						CE 80 (formerly CE 110)	Computing in CE	3			
	TOTAL		17				TOTAL		17		
The Upper Division Writing (UDW) requirement is to be met within two semester after completing 60 units, by passing ENGR 105W with a "C" or better.											
THIRD ACADEMIC YEAR (JUNIORS)											
FIFTH SEMESTER	CLASS	DESCRIPTION	UNIT	DATE	GRADE	SIXTH SEMESTER	CLASS	DESCRIPTION	UNIT	DATE	GRADE
	(IB) CE 121	Mech of Mtls	3				CE 123	Soil Mech	3		
CE 121L	Mtls Lab	1				CE 123L	Soil Lab	1			
CE 128	Fluid Mechanics & H	3				CE 129	Hydraulics Lab	1			
CE 176 (formerly CE142)	Environ Engr	3				CE 130	Theory of Struct	3			
CE 176L (formerly CE142L)	Environ Lab	1				CE 124	Concrete Lab	1			
CE 150	Transp Dsgn	3				CE 170	Water Res Engr	3			
ME 112	Dynamics	3				CE 150L	Transp Lab	1			
						CE TECH AREA	Tech/Dsgn Elec	3			
	TOTAL		17				TOTAL		16		
FOURTH ACADEMIC YEAR (SENIORS)											
SEVENTH SEMESTER	CLASS	DESCRIPTION	UNIT	DATE	GRADE	EIGHTH SEMESTER	CLASS	DESCRIPTION	UNIT	DATE	GRADE
	CE 180A	Project Dsgn	2				CE 180B	Senior Dsgn	2		
CE 132	RC Dsgn	3				CE 185	CE Practice	2			
CE TECH AREA	Tech/Dsgn Elec	3				CE TECH AREA	Tech/Dsgn Elec	3			
CE TECH AREA	Tech/Dsgn Elec	3				(F) An Area F course	Ethnic Studies	3			
CE TECH AREA	Tech/Dsgn Elec	3									
(ID) CE 161	Const Engr	3									
	TOTAL		17				TOTAL		10		
GRAND TOTAL(Min) = 124											

Advising Notes:

1. Courses in mathematics, the physical sciences, or engineering taken CR/NC are not counted toward fulfillment of degree requirements in civil engineering.
2. The Upper-Division Writing Skills requirement shall be met by completing ENGR 105W with a letter grade of C or better.
3. Students must consult with their academic advisor at least once each year.
4. The 15 units of Technical Area Courses must be completed with a grade of C or better.
5. The following courses must be passed with a grade of "C" or better: MATH 75, 76, 77, 81 or ENGR 101, PHYS 4A & 4B, CHEM 3A, CE 20, CE 121.
6. Students must obtain department approval prior to taking upper division major courses at another institution.

* Minimum of 3 units must be from: CE 125, CE 133.

Revised: 8/16/2023