

Construction Engineering Checksheet

The Academic Plan of Study is a guide. Always confer with your Academic Advisor for your semester course plans

Term(s)	Course #	Course Title	Hrs	Prerequisites			
Common First Year (CFY)	Fall	ENGR 13xx	Foundational ENGR course (ENGR 1300, 1301, 1302, or 1303)*	2-3	Only 2 attempts allowed		
		ENGR 13xx	Foundational ENGR course (ENGR 1300, 1301, 1302, or 1303)*	2-3	Only 2 attempts allowed		
		MATH 1241	Calculus*	3	Only 2 attempts allowed		
		XXXX 15xx	Gen Ed Requirement (Theme 1501, 1502, 1511/1512 Find Amer Demo 1575)	3	Only 2 attempts allowed		
		XXXX 15xx	Gen Ed Requirement (Theme 1501, 1502, 1511/1512 Find Amer Demo 1575)	3	Only 2 attempts allowed		
		Total: 14-15					
Common First Year (CFY)	Spring	ENGR 13xx	Foundational ENGR course (ENGR 1300, 1301, 1302, or 1303)*	2-3	Only 2 attempts allowed		
		ENGR 13xx	Foundational ENGR course (ENGR 1300, 1301, 1302, or 1303)*	2-3	Only 2 attempts allowed		
		MATH 1242	Calculus II*	3	Only 2 attempts allowed		
		PHYS 2101	Physics I*	3	Only 2 attempts allowed		
		PHYS 2101L	Physics I Lab*	1	Only 2 attempts allowed		
		WRDS 1103/1104	Writing & Inquiry in Academic Contexts*	3	Note: WRDS 1104 is 4 credit hours		
Total: 15-16							
Second Year	Fall	MATH 2241	Calculus III*	3	Only 2 attempts allowed		
		CHEM 1352	General Chemistry for Engineers*	4	Only 2 attempts allowed		
		ETCE 1222	Construction Materials	3	Only 2 attempts allowed		
		CEGR 2101	Civil Engineering Drawing*	2	Only 2 attempts allowed		
		MEGR 2141	Eng Mechanics I (Statics)*	3	Only 2 attempts allowed		
		Total: 15					
	Second Year	Spring	ETCE 1211	Construction Surveying	3	Only 2 attempts allowed	
			ETCE 1211L	Construction Surveying I Lab	1	Only 2 attempts allowed	
			ETCE 2163L	Construction Materials & Structures Lab	1	Only 2 attempts allowed	
			CEGR 2102	Eng Economic Analysis*	3	Only 2 attempts allowed	
			PHYS 2102/CHEM 1252	Physics II/General Chemistry II	3	Only 2 attempts allowed	
			MATH 2171	Differential Equations*	3	Only 2 attempts allowed	
MEGR 2144	Solid Mechanics*	3	Only 2 attempts allowed				
Total: 17							
Third Year	Fall	CMET 2221	Construction Means & Methods	3	Only 2 attempts allowed		
		CMET 2105	Plan Reading	2	Only 2 attempts allowed		
		CMET 2105L	Plan Reading Lab	1	Only 2 attempts allowed		
		CEGR 3122	Structural Analysis*	3	Only 2 attempts allowed		
		CEGR 3143	Hydraulics & Hydrology*	3	Only 2 attempts allowed		
		CEGR 3258	Geotechnical Lab	2	Only 2 attempts allowed		
	CEGR 3278	Geotechnical Engineering*	3	Only 2 attempts allowed			
	Total: 17						
	Third Year	Spring	CMET 3123	Cost Estimating I	3	Only 2 attempts allowed	
			STAT 3128	Prob & Stat	3	Only 2 attempts allowed	
			CMET 1680	Construction Safety	1	Only 2 attempts allowed	
			ACCT 2121	Principles of Accounting I	3	Only 2 attempts allowed	
XXXX 15xx			Gen Ed Requirement (Theme 1501, 1502, 1511/1512 Find Amer Demo 1575)	3	Only 2 attempts allowed		
XXXX XXXX			ETCE/CEGR/CMET Elective	3	Only 2 attempts allowed		
Total: 16							
Fourth Year	Summer	CNGR 3001	Construction Internship	1	Required Summer Prior to Dec/May Graduation		
	Total: 1						
	Fourth Year	Fall	CNGR 3290	Temporary Structures in Construction	3	Only 2 attempts allowed	
			CMET 3224	Construction Project Administration	3	Only 2 attempts allowed	
			CMET 3126	Project Planning and Scheduling	3	Only 2 attempts allowed	
			Design Elective	(Steel, Reinforced Concrete, or Highway Design)	3	Only 2 attempts allowed	
			ENGR 3295	Multidisciplinary Professional Development	1	Only 2 attempts allowed	
	Total: 13						
	Fourth Year	Spring	CNGR 4272	Capstone Project	3	Only 2 attempts allowed	
			XXXX XXXX	ETCE/CEGR/CMET Elective	3	Only 2 attempts allowed	
XXXX 15xx			Gen Ed Requirement (Theme 1501, 1502, 1511/1512 Find Amer Demo 1575)	3	Only 2 attempts allowed		
CTCM 2530			General Education-Interdisciplinary Critical Thinking an	3	Only 2 attempts allowed		
Total: 12							

* = grade of C or better is required for degree progression

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Courses in *italics* can be taken as a pre **gr** co-requisite

Course in **bold** must be taken as a co-requisite