

# Civil 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		
	<b>Total: 14-15</b>							
	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		Only 2 attempts allowed			
<b>Total: 15-16</b>								
Second Year	Fall	MATH 2241	Calculus III*	3		Only 2 attempts allowed		
		CHEM 1352	General Chemistry for Engineers*	4		Only 2 attempts allowed		
		CEGR 2102	Eng Economic Analysis*	3		Only 2 attempts allowed		
		MEGR 2141	Eng Mechanics I (Statics)*	3		Only 2 attempts allowed		
		CTCM 2530	Critical Thinking and Comm	3		Only 2 attempts allowed		
		<b>Total: 16</b>						
	Spring	MATH 2171	Differential Equations*	3		Only 2 attempts allowed		
		CEGR 2101	Civil Engineering Drawing*	2		Only 2 attempts allowed		
		CEGR 2154	Design Project Lab*	2		Only 2 attempts allowed		
		PHYS 2102	Physics II	3		Only 2 attempts allowed		
		MEGR 2144	Solid Mechanics*	3		Only 2 attempts allowed		
		CEGR 3256	Structural Materials Lab*	1		Only 2 attempts allowed		
		<b>Total: 14</b>						
		Third Year	Fall	CEGR 3143	Hydraulics & Hydrology*	3		Only 2 attempts allowed
CEGR 3141	Intro to Environmental Eng*			3		Only 2 attempts allowed		
CEGR 3155	Environmental Lab			2		Only 2 attempts allowed		
CEGR 3278	Geotechnical Eng*			3		Only 2 attempts allowed		
CEGR 3259	Geotech Lab			1		Only 2 attempts allowed		
CEGR 3122	Structural Analysis*			3		Only 2 attempts allowed		
<b>Total: 15</b>								
Spring	CEGR 3161		Transportation Engineering*	3		Only 2 attempts allowed		
	CEGR 3153		Transportation Lab	2		Only 2 attempts allowed		
	MEGR/ECGR Elective		ECGR 2161, MEGR 3111, MEGR 3121	3		Only 2 attempts allowed		
	CEGR 3111		Construction Engineering*	3		Only 2 attempts allowed		
	XXXX 15xx		Gen Ed Requirement (Theme 1501, 1502, 1511/1512   Find Amer Demo 1575)	3		Only 2 attempts allowed		
	CEGR Design Elective	Check Course Catalog for Prerequisites*	3		Only 2 attempts allowed			
<b>Total: 17</b>								
Fourth Year	Fall	STAT 3128	Prob & Stat	3		Only 2 attempts allowed		
		CEGR 3221 or 3225	Structural Steel Design I / Reinforced Concrete Design I	3		Only 2 attempts allowed		
		CEGR Technical Elective	Check Course Catalog for Prerequisites*	3		Only 2 attempts allowed		
		CEGR Design Elective	Check Course Catalog for Prerequisites*	3		Only 2 attempts allowed		
		Science Elective	Biology/Geology/Earth Science	3		Only 2 attempts allowed		
	<b>Total: 15</b>							
	Spring	CEGR 3201	Systems and Design I	3		Only 2 attempts allowed		
		CEGR Elective	Check Course Catalog for Prerequisites*	3		Only 2 attempts allowed		
		CEGR Elective	Check Course Catalog for Prerequisites*	3		Only 2 attempts allowed		
		ENGR 3295	Professional Development	1		Only 2 attempts allowed		
XXXX 15xx		Gen Ed Requirement (Theme 1501, 1502, 1511/1512   Find Amer Demo 1575)	3		Only 2 attempts allowed			
<b>Total: 13</b>								

\* = grade of C or better is required for degree progression  
 Courses in *italics* can be taken as a pre **co**-requisite  
 Course in **bold** must be taken as a co-requisite