

**Department of Civil and Environmental Engineering**  
**Bachelor of Science in Civil Engineering - Degree Plan Check List**

<b>Student Name:</b>	<b>Last Name:</b>				<b>First Name:</b>				<b>GPA:</b>			
<b>Student I.D.:</b>					<b>Semester:</b>				<b>Advisor:</b>			
<b>FRESHMAN YEAR</b>						<b>SOPHOMORE YEAR</b>						After each YEAR consultation faculty and student must sign.
Course	Cr	GR	Course	Cr	GR	Course	Cr	GR	Course	Cr	GR	
ENGL 1123 Freshman Composition I	3	<input type="checkbox"/>	ENGL 1143 Technical Writing	3	<input type="checkbox"/>	MATH 2043 Differential Equations I	3	<input type="checkbox"/>	MCEG 2013 Thermodynamics I	3	<input type="checkbox"/>	
MATH 1124 Calculus I	4	<input type="checkbox"/>	Math 2024 Calculus II	4	<input type="checkbox"/>	PHYS 2523 University Physics II	3	<input type="checkbox"/>	ELEG 2053 Intro. To Electrical Engineering	3	<input type="checkbox"/>	
GNEG 1121 Engr. Appl. Lab II for Math	1	<input type="checkbox"/>	GNEG 2021 Engr. Appl. Lab III for Math	1	<input type="checkbox"/>	PHYS 2521 General Physics Lab II	1	<input type="checkbox"/>	CVEG 2053 Engineering Mechanics II	3	<input type="checkbox"/>	
ELEG 1043 Computer Appl. In Engineering	3	<input type="checkbox"/>	PHYS 2513 University Physics I	3	<input type="checkbox"/>	CVEG 2043 Engineering Mechanics I	3	<input type="checkbox"/>	CVEG 2063 Mechanics of Materials	3	<input type="checkbox"/>	
CVEG 1011 Intro Engr CS Tech	1	<input type="checkbox"/>	PHYS 2511 General Physics Lab I	1	<input type="checkbox"/>	POSC 1113 American Government I	3	<input type="checkbox"/>	POSC 1123 American Government II	3	<input type="checkbox"/>	
CVEG 1021 Intro CVEG Lab	1	<input type="checkbox"/>	CHEM 1034 Chemistry for Engineers	4	<input type="checkbox"/>	Science Elective	3	<input type="checkbox"/>	CHEG 2003 Eco Anal Tech Appl.	3	<input type="checkbox"/>	
SPCH 1003 Fund. Of Speech Communication	3	<input type="checkbox"/>	CHEM 1021 Inorganic Chem Lab II	1	<input type="checkbox"/>	CVEG 2001 Emerging Issues in CE	1	<input type="checkbox"/>				
Sub-Total	16		Sub-Total	17		Sub-Total	17		Sub-Total	18		
Summer GNEG 2156 Engineering Cooperative Education I				6	<input type="checkbox"/>	Summer CVEG 2156 Civil Engineering Internship I				6	<input type="checkbox"/>	
<b>JUNIOR YEAR</b>						<b>SENIOR YEAR</b>						
Course	Cr	GR	Course	Cr	GR	Course	Cr	GR	Course	Cr	GR	
MATH 3685 Math for Engineers	5	<input type="checkbox"/>	HIST 1323 U.S. 1876 to Present	3	<input type="checkbox"/>	CVEG 4013 Reinforced Concrete	3	<input type="checkbox"/>	CVEG 4063 Water Resources Engr.	3	<input type="checkbox"/>	
CVEG 3073 Structural Analysis	3	<input type="checkbox"/>	CVEG 3023 Geotechnical Engineering	3	<input type="checkbox"/>	CVEG 4053 Transportation Engr. Design	3	<input type="checkbox"/>	Visual & Performing Arts Elective	3	<input type="checkbox"/>	
CVEG 3063 Hydraulics	3	<input type="checkbox"/>	CVEG 3083 Steel Design	3	<input type="checkbox"/>	CVEG 4043 Environmental Engr. Design	3	<input type="checkbox"/>	Behavioral or Social Science Elective	3	<input type="checkbox"/>	
Humanities Elective	3	<input type="checkbox"/>	CVEG 3053 Transportation Engineering	3	<input type="checkbox"/>	CVEG 4473 Senior Design and Professionalism I	3	<input type="checkbox"/>	CVEG 4483 Senior Design and Professionalism II	3	<input type="checkbox"/>	
HIST 1313 U.S. to 1876	3	<input type="checkbox"/>	CVEG 3043 Environmental Engineering	3	<input type="checkbox"/>	Technical Elective	3	<input type="checkbox"/>	Technical Elective	3	<input type="checkbox"/>	
CVEG 3031 Construction Materials Lab	1	<input type="checkbox"/>	GNEG 3051 Professional Engineering	1	<input type="checkbox"/>							
Sub-Total	18		Sub-Total	16		Sub-Total	15		Sub-Total	15		
Summer CVEG 2156 Civil Engineering Internship II				6	<input type="checkbox"/>	Notes:						

Date Initiated:

TR - Transfer Course; A,B,C,D,F - Grade; X - Satisfied Requirement; W - Waived

**TOTAL CREDITS: 132**

**APPROVED: FALL 2010**

Civil Engineering Suggested Technical Electives

- |                                  |  |
|----------------------------------|--|
| CVEG 4093 System Engineering     | CVEG 4243 Fund. Of Air Pollution & Control     |
| CVEG 4123 Hydrology              | MATH 4063 Numerical Analysis                   |
| CVEG 4143 Engr Construction      | MATH 4083 Advanced Calculus                    |
| CVEG 4223 Waste Management       | MATH 4223 Intro to Complex Analysis            |
| CVEG 4233 Water Quality Modeling | MCEG 4063 Design & Analysis of Dynamic Systems |