

**MERRIMACK COLLEGE  
DEPARTMENT OF CIVIL ENGINEERING CURRICULUM**

Name ENTER NAME HERE ID # ID HERE Class year: CLASS YEAR HER

ADVISOR: ADVISOR HERE

<u>FALL</u>			<u>SPRING</u>																																																		
<b>FRESHMAN YEAR</b>																																																					
CEN 1001	Intro. to Eng.	4	<input type="checkbox"/>	MTH 1505	Applied Statistics	4	<input type="checkbox"/>																																														
MTH 1217	Calculus I	4	<input type="checkbox"/>	MTH 1218	Calculus II	4	<input type="checkbox"/>																																														
PHL 1000	Intro to Philophy	4	<input type="checkbox"/>	CHM 1180	Engineering Chem	4	<input type="checkbox"/>																																														
ENG 1050	College Writing	4	<input type="checkbox"/>	Humanities	Elective ( <i>course here</i> )	4	<input type="checkbox"/>																																														
			16				16																																														
<b>SOPHOMORE YEAR</b>																																																					
CEN2010	Mechanics I	4	<input type="checkbox"/>	CEN2012	Mechanics II	4	<input type="checkbox"/>																																														
PHY 2211	Physics I	4	<input type="checkbox"/>	MTH 2220	Diff. Equations	4	<input type="checkbox"/>																																														
MTH 2219	Calculus III	4	<input type="checkbox"/>	CEN3040	Fluid Mech.	4	<input type="checkbox"/>																																														
CEN 2001	CE Site Design	4	<input type="checkbox"/>	PHY 2212	Physics II	4	<input type="checkbox"/>																																														
			16				16																																														
<i>WORK IN SUMMER</i>																																																					
<b>JUNIOR YEAR 1</b>																																																					
<i>WORK DURING FALL</i>				CEN3030	Transportation	4	<input type="checkbox"/>																																														
				CEN3050	Enviro. Engr.	4	<input type="checkbox"/>																																														
				CEN3090	Design & Res. Seminar	1	<input type="checkbox"/>																																														
				RTS 1001	Intro to Religious Studies	4	<input type="checkbox"/>																																														
				Science*	Elective ( <i>course here</i> )	4	<input type="checkbox"/>																																														
							17																																														
<i>WORK IN SUMMER</i>																																																					
<b>JUNIOR YEAR 2</b>																																																					
CEN3010	Structures	4	<input type="checkbox"/>	<i>WORK DURING SPRING</i>																																																	
CEN3020	Geotech Engr	4	<input type="checkbox"/>																																																		
PHY 4803	Thermodynamics	2	<input type="checkbox"/>																																																		
RTS	Elective ( <i>course here</i> )	4	<input type="checkbox"/>																																																		
Social Science	Elective ( <i>course here</i> )	4	<input type="checkbox"/>																																																		
			18																																																		
<i>WORK IN SUMMER</i>																																																					
<b>SENIOR YEAR</b>																																																					
CEN	Structures elective	4	<input type="checkbox"/>	CEN 4901	Des. Project	4	<input type="checkbox"/>																																														
CEN	Geotechnical elective	4	<input type="checkbox"/>	CEN	Transportation elective	4	<input type="checkbox"/>																																														
Technical	Elective ( <i>course here</i> )	4	<input type="checkbox"/>	CEN	Environmental elective	4	<input type="checkbox"/>																																														
Humanities	Elective ( <i>course here</i> )	4	<input type="checkbox"/>	CEN 4900	Senior Seminar	1	<input type="checkbox"/>																																														
				Social Science	Elective ( <i>course here</i> )	4	<input type="checkbox"/>																																														
<b>TOOK FE EXAM</b> <input style="width: 100px;" type="text"/>																																																					
			16				17																																														
<b>NOTES</b>				<b>List of CE Senior Electives</b>																																																	
<p><i>For Students matriculating prior to Fall 2008 and/or transfers</i></p> <p>Freshman Seminar or other writing intensivecourse</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Number</td> <td style="width: 50%;">Credits</td> </tr> <tr> <td> </td> <td> </td> </tr> </table> <p>Second Philosophy course</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Number</td> <td style="width: 50%;">Credits</td> </tr> <tr> <td> </td> <td> </td> </tr> </table> <p>OTHER RULES FOR TRANSITION:</p> <p>*Science Elective may not be in Physics or Chemistry.</p> <p>Suggested courses:</p> <table style="width: 100%;"> <tr> <td>AST 1101 Introduction to Astronomy</td> <td>CEN 4060 Geology</td> </tr> <tr> <td>BIO 1027 Principles of Biology I</td> <td>CSC 1610 Computer</td> </tr> <tr> <td>BIO 3009 Environment, Ecology and</td> <td>HSC 3302 Community</td> </tr> <tr> <td>BIO 3090 – 3099 Global Field Studies</td> <td></td> </tr> </table>				Number	Credits			Number	Credits			AST 1101 Introduction to Astronomy	CEN 4060 Geology	BIO 1027 Principles of Biology I	CSC 1610 Computer	BIO 3009 Environment, Ecology and	HSC 3302 Community	BIO 3090 – 3099 Global Field Studies		<table style="width: 100%;"> <tr> <td><i>Environmental Engineering</i></td> <td style="text-align: right;"># cr</td> </tr> <tr> <td>CEN 4030 Enviro Design</td> <td style="text-align: right;">4</td> </tr> <tr> <td>CEN 4032 Applied Hydrology</td> <td style="text-align: right;">4</td> </tr> <tr> <td><i>Geotechnical Engineering</i></td> <td></td> </tr> <tr> <td>CEN 4020 Geotechnical Design</td> <td style="text-align: right;">4</td> </tr> <tr> <td><i>Structural Engineering</i></td> <td></td> </tr> <tr> <td>CEN 4012 Steel Analysis and Design</td> <td style="text-align: right;">4</td> </tr> <tr> <td>CEN4016 Concrete Analysis &amp; Design</td> <td style="text-align: right;">4</td> </tr> <tr> <td><i>Transportation</i></td> <td></td> </tr> <tr> <td>CEN 4042 Traffic Engineering</td> <td style="text-align: right;">4</td> </tr> <tr> <td>CEN 4040 Geometric Design</td> <td style="text-align: right;">4</td> </tr> <tr> <td>CEN 4044 Trans Plng &amp; Sys Anal</td> <td style="text-align: right;">4</td> </tr> <tr> <td><i>Technical Electives (or any of the above not counted as depth elective)</i></td> <td></td> </tr> <tr> <td>CEN 4050 Const Plng &amp; Mgmt</td> <td style="text-align: right;">4</td> </tr> <tr> <td>CEN 4820 Special Topics in Civil Engineering</td> <td style="text-align: right;">4</td> </tr> </table>				<i>Environmental Engineering</i>	# cr	CEN 4030 Enviro Design	4	CEN 4032 Applied Hydrology	4	<i>Geotechnical Engineering</i>		CEN 4020 Geotechnical Design	4	<i>Structural Engineering</i>		CEN 4012 Steel Analysis and Design	4	CEN4016 Concrete Analysis & Design	4	<i>Transportation</i>		CEN 4042 Traffic Engineering	4	CEN 4040 Geometric Design	4	CEN 4044 Trans Plng & Sys Anal	4	<i>Technical Electives (or any of the above not counted as depth elective)</i>		CEN 4050 Const Plng & Mgmt	4	CEN 4820 Special Topics in Civil Engineering	4
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