

**CUNY PATHWAYS – Civil Engineering (A.S.)**

<b>REQUIRED COMMON CORE</b>		<b>CREDITS</b>
<b>English Composition</b>		6
<b>Mathematical and Quantitative Reasoning</b>		4
MAT 210 Required		
<b>Life and Physical Sciences</b>		4
CHE 210 Required		
<b>FLEXIBLE COMMON CORE</b>		
<b>World Cultures and Global Issues</b>		3
<b>U.S. Experience in Its Diversity</b>		3
<b>Creative Expression</b>		3
<b>Individual and Society</b>		3
<b>Scientific World</b>		4
CHE 220 Required		
<b>One (1) additional course from the Flexible Common Core Scientific World</b>		4
PHY 210 Required		
<b>MAJOR REQUIREMENTS</b>		
ENG 202	Technical Writing	3
MAT 215	Modern Programming	3
MAT 220	Calculus II	4
MAT 310	Calculus III	4
MAT 320	Linear Algebra & Vector Analysis	3
MAT 360	Differential Equations	3
PHY 220	Physics II	4
<b>CHOOSE ONE OF THE FOLLOWING CONCENTRATIONS:</b>		
<b>Track I - Civil Engineering</b>		
CE 20900	Structural and Site Plans	3
CE 264	Data Analysis <b>OR</b>	
ENGR 204	Electrical Circuits	3
<b>Track II - Environmental Engineering &amp; Earth Systems</b>		
ENGR 204	Electrical Circuits <b>OR</b>	3
ENGR 103	Analysis Tools for Engineers	2

ENGR 106 / EAS 106	Earth System Science and Engineering Earth Sciences	4
<b>Total Credits for Degree</b>		<b>64</b>
<p>Note: The program has received a waiver to specify particular courses students must take in STEM areas of the Common Core. If students take different courses in these areas, they will be certified as having completed the Common Core area, but it may not be possible for them to finish their degree program within the regular number of credits.</p>		

[Click here for a list of all Common Core Courses](#)