

Hostos Community College Program of Study  
Leading to the A.S. Degree in Chemical Engineering  
**CUNY PATHWAYS – Chemical Engineering (AS)**

<b>First Year – Fall</b>		
<b>Mathematical and Quantitative Reasoning:</b>		
<b>MAT 210</b>	Calculus I (Required)	4.0
<b>ENG 110</b>	Expository Writing	3.0
<b>Life and Physical Sciences:</b>		
<b>CHE 210</b>	General Chemistry I (Required)	4.0
<b>World Cultures and Global Issues:</b>		
<b>HUM 100</b>	Introduction To Humanities (Strongly Recommended)	3.0
<b>Individual and Society (Choose 1):</b>		
<b>SOC 101 OR PSY 101</b>	Introduction To Sociology <b>OR</b> Introduction To Psychology (Strongly Recommended)	3.0
<b>SubTotal</b>		<b>17.0</b>
<b>Spring</b>		
<b>MAT 220</b>	Calculus II	4.0
<b>ENG 111</b>	Literature and Composition	3.0
<b>Scientific World:</b>		
<b>CHE 220</b>	General Chemistry II	4.0
<b>ENG 202</b>	Technical Writing for Engineering	3.0
<b>Creative Expression:</b>		
<b>VPA 192</b>	Fundamentals of Public Speaking	3.0
<b>SubTotal</b>		<b>17.0</b>
<b>Second Year – Fall</b>		
<b>MAT 310</b>	Calculus III	4.0
<b>*CHE 22800</b>	Introduction to Chemical Engineering Principles & Practice	5.0
<b>One (1) additional course from Scientific World :</b>		
<b>CHE 310</b>	Organic Chemistry I	3.0
<b>PHY 210</b>	General Physics I	4.0
<b>SubTotal</b>		<b>16.0</b>
<b>Spring</b>		
<b>MAT 360</b>	Differential Equations	3.0
<b>MAT 320</b>	Linear Algebra and Vector Analysis	3.0
<b>CHE 320</b>	Organic Chemistry II	3.0
<b>CHE 312</b>	Organic Chemistry Lab I	2.0
<b>PHY 220</b>	General Physics II	4.0
<b>U.S. Experience in its Diversity:</b>		
<b>HIS 210 OR HIS 211</b>	United States History: Through the Civil War <b>OR</b> United States History: Reconstruction to the Present	3.0
<b>SubTotal</b>		<b>18.0</b>
<b>TOTAL HOSTOS CREDITS</b>		<b>68.0</b>

\*ChE 22800 is only offered in the fall semester.

“C” Passing Grade Requirement: MAT 210; MAT 220; MAT 310; MAT 320; MAT 360; CHE 210; CHE 220; CHE 310; CHE 312; CHE 320; ChE 22800; PHY 210; PHY 220 require a minimum passing grade of “C”. It is required a **2.7 Overall GPA** and a **2.5 Sciences GPA** in order to be transferred to City College.

