

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

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

****CHE 310, CHE 312 and CHE 22800 are offered in fall semester; CHE 320 is offered in spring 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.

