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

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	Intro. To Humanities (Strongly Recommended)	3.0
Individual and Society (Choose 1):		
SOC 101 Or **PSY 101**	Intro. To Sociology OR Intro. 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	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**	Intro to Chemical Engineering Principals & 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 OR **HIS 211**	United States History: Through the Civil War United States History: Reconstruction to the Present	3.0
SubTotal		**18.0**
TOTAL HOSTOS CREDITS		**68.0**

***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.

Hostos CC Pathways Common Core Approved Courses (30 Credits)

Required Common Core Courses			Flexible Common Core Courses				
English Composition	**Mathematical and Quantitative Reasoning**	**Life and Physical Sciences**	**World Cultures and Global Issues**	**U.S. Experience in Its Diversity**	**Creative Expression**	**Individual and Society**	**Scientific World**
ENG 110	MAT 100	BIO 110	ANT 101	BLS 114	ENG 203	CJ 101	BIO 120
ENG 111	MAT 105	BIO 210	BLS 101	ENG 225	ENG 204	ENG 223	BIO 130
	MAT 115	BIO 220	ENG 200	HIS 210	ENG 210	ENG 224	BIO 210
	MAT 120	BIO 230	ENG 213	HIS 211	ENG 212	ENG 228	BIO 220
	MAT 160	BIO 240	ENG 215	LAC 101	ENG 214	ENG 230	BIO 230
	MAT 210	CHE 105	ENG 222	LAC 132	ENG 221	LIN 100	BIO 240
	MAT 220	CHE 110	HIS 201	POL 101	VPA 114	LIN 102	BIO 260
	MAT 310	CHE 210	HIS 202	WGS 100	VPA 141	LIN 103	BIO 310
		CHE 220	HUM 100		VPA 181	PSY 101	CHE 210
		ENV 110	LAC 108		VPA 192	PSY 110	CHE 220
		PHY 105	LAC 118			PSY 120	CHE 310
		PHY 110	SPA 117			PSY 121	CHE 312
		PHY 120	SPA 118			SOC 101	MAT 160
		PHY 210	WGS 200				MAT 210
		PHY 220					MAT 310
							PHY 110
							PHY 120
							PHY 210
							PHY 220