## Hostos Community College Program of Study Leading to the A.S. Degree in Civil Engineering: Track I CUNY PATHWAYS – Civil 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>	Introduction to Sociology OR	3.0				
PSY 101	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				
One (1) additional Course from	Scientific World:					
PHY 210	General Physics I	4.0				
MAT 215	Modern Programming	3.0				
Total		18.0				
Second Year - Fall						
MAT 310	Calculus III	4.0				
PHY 220	General Physics II	4.0				
U.S. Experience in its Diversity:						
HIS 210 <u>OR</u>	United States History: Through the Civil War OR					
HIS 211	United States History: Reconstruction to the Present	3.0				
*CE 20900	Structural and Site Plans	3.0				
SubTotal		14.0				
Spring						
MAT 360	Differential Equations	3.0				
MAT 320	Linear Algebra with Vector Analysis	3.0				
*CE 26400 <u>OR</u>	Civil Engineering Data Analysis <b>OR</b>	3.0				
ENGR 204	Electrical Circuits					
ENG 202	Technical Writing for Engineering	3.0				
Creative Expression:						
VPA 192	Fundamentals of Public Speaking	3.0				
SubTotal		15.0				
TOTAL HOSTOS CREDITS	•	64.0				

## \*CE 20900 and CE 26400 will be taken on ePermit at CCNY

<sup>&</sup>quot;C" Passing Grade Requirement: MAT 210; MAT 215; MAT 220; MAT 310; MAT 320; MAT 360; CHE 210; CHE 220; 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					
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		
MAT 100	BIO 110	ANT 101	BLS 114	ENG 203	CJ 101	BIO 120		
MAT 105	BIO 210	BLS 101	ENG 225	ENG 204	ECO 101	BIO 130		
MAT 115	BIO 220	ENG 200	HIS 210	ENG 210	ECO 102	BIO 210		
MAT 120	BIO 230	ENG 213	HIS 211	ENG 212	ENG 223	BIO 220		
MAT 160	BIO 240	ENG 215	LAC 101	ENG 214	ENG 224	BIO 230		
MAT 210	CHE 105	ENG 222	LAC 132	ENG 221	ENG 228	BIO 240		
MAT 220	CHE 110	HIS 201	POL 101	VPA 114	ENG 230	BIO 260		
MAT 310	CHE 210	HIS 202	WGS 100	VPA 141	LIN 100	BIO 310		
	CHE 220	HUM 100		VPA 181	LIN 102	CHE 210		
	ENV 110	LAC 108		VPA 192	LIN 103	CHE 220		
	PHY 105	LAC 118			PSY 101	CHE 310		
	PHY 110	POL 207			PSY 110	CHE 312		
	PHY 120	SPA 117			PSY 120	MAT 160		
	PHY 210	SPA 118			PSY 121	MAT 210		
	PHY 220	WGS 200			SOC 101	MAT 310		
						PHY 110		
						PHY 120		
						PHY 210		
						PHY 220		
	Mathematical and Quantitative Reasoning MAT 100 MAT 105 MAT 115 MAT 120 MAT 160 MAT 210 MAT 220	Mathematical and and Quantitative Reasoning         Life and Physical Sciences           MAT 100         BIO 110           MAT 105         BIO 210           MAT 115         BIO 220           MAT 120         BIO 230           MAT 160         BIO 240           MAT 210         CHE 105           MAT 220         CHE 110           MAT 310         CHE 210           CHE 220         ENV 110           PHY 105         PHY 110           PHY 120         PHY 210	Mathematical and and Quantitative Reasoning         Life and Physical Sciences         World Cultures and Global Issues           MAT 100         BIO 110         ANT 101           MAT 105         BIO 210         BLS 101           MAT 115         BIO 220         ENG 200           MAT 120         BIO 230         ENG 213           MAT 160         BIO 240         ENG 215           MAT 210         CHE 105         ENG 222           MAT 220         CHE 110         HIS 201           MAT 310         CHE 210         HIS 202           CHE 220         HUM 100         ENV 110         LAC 108           PHY 105         LAC 118         PHY 110         POL 207           PHY 120         SPA 117         PHY 210         SPA 118	Mathematical and And Quantitative Reasoning         Life and Physical Sciences         World Cultures and Global Issues         Experience in Its Diversity           MAT 100         BIO 110         ANT 101         BLS 114           MAT 105         BIO 210         BLS 101         ENG 225           MAT 115         BIO 220         ENG 200         HIS 210           MAT 120         BIO 230         ENG 213         HIS 211           MAT 160         BIO 240         ENG 215         LAC 101           MAT 210         CHE 105         ENG 222         LAC 132           MAT 220         CHE 110         HIS 201         POL 101           MAT 310         CHE 210         HIS 202         WGS 100           CHE 220         HUM 100         ENV 110         LAC 108           PHY 105         LAC 118         PHY 110         POL 207           PHY 120         SPA 117         PHY 210         SPA 118	Mathematical and Quantitative Reasoning         Life and Physical Sciences         World Cultures and Global Issues         U.S. Experience in Its Diversity         Expression           MAT 100         BIO 110         ANT 101         BLS 114         ENG 203           MAT 105         BIO 210         BLS 101         ENG 225         ENG 204           MAT 115         BIO 220         ENG 200         HIS 210         ENG 210           MAT 120         BIO 230         ENG 213         HIS 211         ENG 212           MAT 160         BIO 240         ENG 215         LAC 101         ENG 214           MAT 210         CHE 105         ENG 222         LAC 132         ENG 221           MAT 220         CHE 110         HIS 201         POL 101         VPA 114           MAT 310         CHE 210         HIS 202         WGS 100         VPA 141           CHE 220         HUM 100         VPA 181         VPA 192           PHY 105         LAC 118         VPA 192           PHY 110         POL 207         PHY 120         SPA 117           PHY 210         SPA 118         SPA 118	Mathematical and And Quantitative Reasoning         Life and Physical Sciences         World Cultures and Global Issues         U.S. Experience in 1ts Diversity         Creative Expression and Society         Individual and Society           MAT 100         BIO 110         ANT 101         BLS 114         ENG 203         CJ 101           MAT 105         BIO 210         BLS 101         ENG 225         ENG 204         ECO 101           MAT 115         BIO 220         ENG 200         HIS 210         ENG 210         ECO 102           MAT 120         BIO 230         ENG 213         HIS 211         ENG 212         ENG 223           MAT 160         BIO 240         ENG 215         LAC 101         ENG 214         ENG 224           MAT 210         CHE 105         ENG 222         LAC 132         ENG 221         ENG 228           MAT 220         CHE 110         HIS 201         POL 101         VPA 114         ENG 230           MAT 310         CHE 210         HIS 202         WGS 100         VPA 181         LIN 100           ENV 110         LAC 108         VPA 192         LIN 103           PHY 105         LAC 118         PSY 110           PHY 120         SPA 117         PSY 120           PHY 120         SPA 118         PS		