Mathematics (A.S.)

Name: _____   EMPL ID: _____   Cohort: _____

CUNY Assessment Tests and Graduation Requirements				
Reading ___ (P/F)	ESL 015 ___ 2cr	ESL 081 ___ 3cr	ENG 091 ___ 3cr	MAT 010 ___ 0cr
Writing ___ (P/F)	ESL 016 ___ 2cr	ESL 082 ___ 3cr	ENG 092 ___ 1cr	MAT 012 ___ 0cr
Math 1 ___ (P/F)		ESL 083 ___ 2cr	ENG 093 ___ 3cr	MAT 015 ___ 0cr
Math 2 ___ (P/F)	ESL 025 ___ 2cr	ESL 084 ___ 2cr		MAT 020 ___ 0cr
	ESL 026 ___ 1cr	ESL 086 ___ 3cr		MAT 022 ___ 0cr
	ESL 027 ___ 1cr	ESL 088 ___ 2cr	*After passing Writing test, earn credits for ENG 110. NOT to be included with developmental credits	
Two Writing Intensive Courses	ESL 035 ___ 2cr	ESL 091 ___ 3cr		
1 _____	ESL 036 ___ 1cr	ESL 092 ___ 1cr	*ENG 094 ___	
2 _____	ESL 037 ___ 1cr	ESL 093 ___ 3cr	*ENG 101 ___	
		ESL 095 ___ 1cr	*ENG 102 ___	

Expected Graduation Date: _____

GPA: _____

GPA of at least 2.0 ____(Y/N)

All academic credits for developmental courses listed below can be counted as free electives

Must earn a grade of a D or better to acquire academic credit for a course

Required Common Core	Credits	Course	Grade
English Composition			
ENG 110– Expository Writing	3		
ENG 111– Literature & Composition	3		
Mathematical & Quantitative Reasoning	4		
*MAT 210 Calculus I		MAT 210	
Life and Physical Sciences	4		
BIO 210 Biology I		BIO 210	
OR		**OR**	
CHE 210 Chemistry I		CHE 210	
OR		**OR**	
PHY 210 Physics I		PHY 210	
Flexible Common Core			
World Cultures & Global Issues	3		
U.S. Experience in its Diversity	3		
Creative Expression	3		
Individual & Society	3		
Scientific World	3		
BIO 220-Biology II		BIO 220	
OR	1	**OR**	
CHE 220- Chemistry II		CHE 220	
OR		**OR**	
PHY 220- Physics II		PHY 220	
*Depending on the sequence in Life & Physical Sciences			
One (1) additional course from Flexible Common Core	3		

Major Requirements:	Credits	Course	Grade
MAT 220– Calculus II	4		
MAT 310– Calculus III	4		
Select **6** credits from the following: MAT 215– Modern Programming MAT 320-Linear Algebra & Vector Analysis MAT 360– Differential Equations	6	1. 2.	
*Free Electives: *Depending on placement, student may be required to take MAT 160 and/or Math 150. Math 160, will complete Mathematical & Quantitative Reasoning requirement and MAT 210 will fall under free electives.* *Students pursuing certification in Education should take: EDU 101, 117, 130 and 140*	13		

Total for degree completion: ___/60 credits

Notes: _____

_____

_____

_____

_____

Student Signature: _____
<div>Date</div>

Coach Signature: _____
<div>Date</div>

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 & 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	POL 207			PSY 121	CHE 312
		PHY 120	SPA 117			SOC 101	MAT 160
		PHY 210	SPA 118				MAT 210
		PHY 220	WGS 200				MAT 310
							PHY 110
							PHY 120
							PHY 210
STEM*							PHY 220

*Some Common Core courses in STEM fields serve also as major requirements. These courses, labeled STEM variant courses, may be found in three areas of the Common Core: Life and Physical Sciences, Mathematics and Quantitative Reasoning, and Scientific World. A particular STEM variant course may appear in more than one area of the Common Core. When this occurs, students may choose which area of the Common Core they want the course to fulfill. STEM variant courses may be more than three credits. In such cases, three credits will apply to fulfilling the Common Core; all of the course's credits will apply to the major.

Class	Course Title	Co-Requisite	Pre-Requisite
MAT 210	Calculus I		MAT 160
MAT 215	Modern Programming	ESL 35	ESL 35, MAT 210
MAT 220	Calculus II	ESL 35	ESL 35, MAT 210
MAT 310	Calculus III	ESL 35	ESL 35, MAT 220
MAT 320	Linear Algebra& Vector Analysis	ESL 35	ESL 35, MAT 310
MAT 360	Differential Equations	ESL 35	ESL 35, MAT 310