CUNY PATHWAYS

Chemical Engineering (A.S.)

Dual Degree Program with City College

Student Success Coaching Unit

Name: _____ EMPL ID: _____ Cohort: _____

CUNY Assessment Tests and Graduation Requirements
Reading ___(P/F)
Writing ___ (P/F)
Math 1 ___ (P/F)
Math 2 ___ (P/F)

Two Writing Intensive Courses
1 _____
2 _____

GPA of at least 2.0 ____(Y/N)

ESL 015 ___ 2cr
ESL 016 ___ 2cr

ESL 025 ___ 2cr
ESL 026 ___ 1cr
ESL 027 ___ 1cr

ESL 035 ___ 2cr
ESL 036 ___ 1cr
ESL 037 ___ 1cr

ESL 081 ___ 3cr
ESL 082 ___ 3cr
ESL 083 ___ 2cr
ESL 084 ___ 2cr
ESL 086 ___ 3cr
ESL 088 ___ 2cr

ESL 091 ___ 3cr
ESL 092 ___ 1cr
ESL 093 ___ 3cr
ESL 095 ___ 1cr

ENG 091 ___ 3cr
ENG 092 ___ 1cr
ENG 093 ___ 3cr

After passing Writing test, credits for ENG 110 earned. NOT to be included with developmental credits
*ENG 094 ___
*ENG 101 ___
*ENG 102 ___

MAT 010 ___ 0cr
MAT 012 ___ 0cr
MAT 015 ___ 0cr
MAT 020 ___ 0cr
MAT 022 ___ 0cr

Expected Graduation Date: _____

GPA: _____

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 ENG 111– Literature & Composition	 3 3		
	Mathematical and Quantitative Reasoning MAT 210 Calculus I *Required*	4	MAT 210	
	Life and Physical Sciences CHE 210 Chemistry I *Required*	4	CHE 210	
	Flexible Common Core	**Credits**	**Course**	**Grade**
	World Cultures and Global Issues HUM 100 Humanities *Strongly Recommended*	3		
	U.S. Experience in Its Diversity HIS 210 US History: Through the Civil War **OR** HIS 211-US-History: Reconstruction to the Present *Strongly Recommended*	3		
	Creative Expression VPA 192 Fundamentals of Public Speaking *Strongly Recommended*	3		
	Individual and Society PSY 101– General Psychology **OR** SOC 101– Introduction to Sociology *Strongly Recommended*	3		
	Scientific World CHE 220 Chemistry II *Required*	4	CHE 220	
	One (1) additional course from the Flexible Common Core CHE 310 Organic Chemistry I *Required*	3	CHE 310	

	Major Courses	Credits	Course	Grade
	**CHE 228-Intro to Chemical Engineering Principles & Practice	5		
	CHE 312—Organic Chemistry Lab I	2		
	CHE 320— Organic Chemistry II	3		
	ENG 202-Technical Writing	3		
	MAT 220-Calculus II	4		
	MAT 310-Calculus III	4		
	MAT 320-Linear Algebra & Vector Analysis	3		
	MAT 360– Differential Equations	3		
	PHY 210-Physics I	4		
	PHY 220-Physics II	4		

Total for degree completion: ___/68 credits

** Course will require an E-permit in order to take at City College. All E-permits must be applied for and approved in advance. Deadline dates can be found on the Hostos website on the Engineering homepage.

Do you intend to attend City College after graduation?
Yes ____ No____

Notes: _____

_____

_____

_____

_____

Student Signature: _____
Date

Coach Signature: _____
Date

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
ENG 202	Technical Writing		ENG 111
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
PHY 220	Physics II	MAT 310	MAT 310, PHY 210
CHE 312	Organic Chemistry Lab I	CHE310	CHE310
CHE 320	Organic Chemistry II	CHE322 or CHE 324	CHE310 and CHE312 or CHE314
**CHE 228	Intro to Chemical Engineering Principles & Practice	Only offered in the FALL semester	

Hostos Community College offers the Associate in Science (A.S.) degree in Chemical Engineering Science as a jointly registered, dual admission program with the existing Bachelor of Engineering in Electrical Engineering (B.E./ChE.) at the City College of New York. Advisement for Chemical Engineering major students is based upon the understanding that students will transition to the Bachelor of Engineering in Electrical Engineering (B.E./ChE.) at the City College of New York. Advisement is specified to match approved courses within City College's Curriculum.