

# Civil Engineering (A.S.)

Track II\* Environmental Engineering\* Dual Degree Program with City College

Name: \_\_\_\_\_

EMPL ID: \_\_\_\_\_

Cohort: \_\_\_\_\_

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

ESL 015 \_\_\_ 2cr  
 ESL 016 \_\_\_ 2cr  
 ESL 025 \_\_\_ 2cr  
 ESL 026 \_\_\_ 1cr  
 ESL 027 \_\_\_ 1cr

ESL 081 \_\_\_ 3cr  
 ESL 082 \_\_\_ 3cr  
 ESL 083 \_\_\_ 2cr  
 ESL 084 \_\_\_ 2cr  
 ESL 086 \_\_\_ 3cr  
 ESL 088 \_\_\_ 2cr

ENG 091 \_\_\_ 3cr  
 ENG 092 \_\_\_ 1cr  
 ENG 093 \_\_\_ 3cr

MAT 010 \_\_\_ 0cr  
 MAT 012 \_\_\_ 0cr  
 MAT 015 \_\_\_ 0cr  
 MAT 020 \_\_\_ 0cr  
 MAT 022 \_\_\_ 0cr

Expected Graduation Date: \_\_\_\_\_

GPA: \_\_\_\_\_

Two Writing Intensive Courses  
 1 \_\_\_\_\_  
 2 \_\_\_\_\_

ESL 035 \_\_\_ 2cr  
 ESL 036 \_\_\_ 1cr  
 ESL 037 \_\_\_ 1cr

ESL 091 \_\_\_ 3cr  
 ESL 092 \_\_\_ 1cr  
 ESL 093 \_\_\_ 3cr  
 ESL 095 \_\_\_ 1cr

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

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
<b>English Composition</b> ENG 110– Expository Writing ENG 111– Literature & Composition	3 3		
<b>Mathematical and Quantitative Reasoning</b> MAT 210 Calculus I <i>Required</i>	4	MAT 210	
<b>Life and Physical Sciences</b> CHE 210 Chemistry I <i>Required</i>	4	CHE 210	
Flexible Common Core	Credits	Course	Grade
<b>World Cultures and Global Issues</b> HUM 100 Humanities <i>Strongly Recommended</i>	3		
<b>U.S. Experience in Its Diversity</b> HIS 210 US History: Through the Civil War <b>OR</b> HIS 211-US History: Reconstruction to the Present <i>Strongly Recommended</i>	3	HIS 210 <b>OR</b> HIS 211	
<b>Creative Expression</b> VPA 192 Fundamentals of Public Speaking <i>Strongly Recommended</i>	3	VPA192	
<b>Individual and Society</b> PSY 101– General Psychology <b>OR</b> SOC 101– Introduction to Sociology <i>Strongly Recommended</i>	3		
<b>Scientific World</b> CHE 220 Chemistry II <i>Required</i>	4	CHE 220	
<b>One (1) additional course from the Flexible Common Core</b> PHY 210 Physics I <i>Required</i>	4	PHY 210	

Required Common Core	Credits	Course	Grade
ENG 202-Technical Writing	3		
**ENGR 103-Computer Aided Analysis Tools for Engineering <b>OR</b> ENGR 204– Structural and Site Plans	2-3	ENGR 103 <b>OR</b> ENGR 204	
**EAS 106– Earth System Science <b>OR</b> **ENGR 106– Engineering Earth Sciences	3	EAS 106 <b>OR</b> ENGR 106	
MAT 215– Modern Programming	3		
MAT 220-Calculus II	4		
MAT 310-Calculus III	4		
MAT 320-Linear Algebra & Vector Analysis	3		
MAT 360– Differential Equations	3		
PHY 220-Physics II	4		

Total for degree completion: \_\_\_/64 –65credits

\*\* 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
							PHY 220
STEM*							

\*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
ENGR 103	Computer Aided Analysis Tools for Engineering		MAT 210
ENGR 204	Structural Site Plans	MAT 310	PHY 210
EAS 106	Earth System Science	ENG 110 & MAT 210	
ENGR 106	Engineering Earth Sciences	ENG 110 & MAT 210	
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

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