

Hostos Community College Program of Study
 Leading to the A.S. Degree in Mechanical Engineering
CUNY PATHWAYS – Mechanical Engineering (AS)

First Year – Fall		Credits
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 OR PSY 101	Introduction to Sociology OR Introduction to Psychology (Strongly Recommended)	3.0
SubTotal		17.0
Spring		
MAT 220	Calculus II	4.0
ENG 111	Literature and Composition	3.0
PHY 210	General Physics I	4.0
*ME 145	Computer-Aided Drafting	2.0
Scientific World:		
CHE 220	General Chemistry II (Required)	4.0
SubTotal		17.0
Second Year – Fall		
MAT 310	Calculus III	4.0
PHY 220	General Physics II	4.0
ENG 202	Technical Writing for Engineering	3.0
ENGR 204	Electrical Circuits	3.0
U.S. Experience in its Diversity:		
HIS 210 OR HIS 211	United States History: Through the Civil War OR United States History: Reconstruction to the Present	3.0
SubTotal		17.0
Spring		
MAT 360	Differential Equations	3.0
MAT 320	Linear Algebra with Vector Analysis	3.0
One (1) additional course from the Scientific World		
**CHE 310	Organic Chemistry I	3.0
*ME 246	Engineering Mechanics I	3.0
Creative Expression:		
VPA 192	Fundamentals of Public Speaking	3.0
SubTotal		15.0
TOTAL HOSTOS CREDITS		66.0

**CHE 310 is offered in fall semester

*ME 145 and ME 246 will be taken on ePermit at CCNY

“C” Passing Grade Requirement: MAT 210; MAT 215; 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.

