

Eugenio María de Hostos Community College of the City University of New York  
Academic Advisement, Division of Academic Affairs

For an Associate in Applied Science (A.S) Degree in Mechanical Engineering

**PATHWAYS - Mechanical Engineering (A.S.)**

**REQUIRED COMMON CORE** **CREDITS**

<b>English Composition</b> .....	<b>6</b>
ENG 110, ENG 111	
<b>Mathematical &amp; Quantitative Reasoning</b> .....	<b>4</b>
MAT 210 Required	
<b>Life and Physical Sciences</b> .....	<b>4</b>
CHE 210 Required	

**FLEXIBLE COMMON CORE**

<b>World Cultures and Global Issues</b> .....	<b>3</b>
ANT 101, BLS 101, ENG 200, ENG 213, ENG 215, ENG 222, HIS 201, HIS 202, HUM 100, LAC 108, LAC 118, POL 207, SPA 117, SPA 118, WGS 200	
<b>US Experience in its Diversity</b> .....	<b>3</b>
BLS 114, ENG 225, HIS 210, HIS 211, HIS 214, LAC 101, LAC 132, POL 101, WGS 100	
<b>Creative Expression</b> .....	<b>3</b>
ENG 203, ENG 204, ENG 210, ENG 212, ENG 214, ENG 221, LAC 246, VPA 114, VPA 141, VPA 181, VPA 192	
<b>Individual &amp; Society</b> .....	<b>3</b>
ECO 101, ECO 102, CJ 101, ENG 223, ENG 224, ENG 228, ENG 230, LIN 100, LIN 102, LIN 103, PSY 101, PSY 110, PSY 120, PSY 121, SOC 101	
<b>Scientific World</b> .....	<b>4</b>
CHE 220 Required	
<b>One (1) Additional course from the Scientific World</b> .....	<b>3</b>
CHE 310 Required	
<b>Subtotal</b> .....	<b>33</b>

**MAJOR REQUIREMENTS**

ENG 202 .....	Technical Writing .....	3
MAT 220 .....	Calculus II.....	4
MAT 310 .....	Calculus III .....	4
MAT 320 .....	Linear Algebra & Vector Analysis .....	3
MAT 360 .....	Ordinary Differential Equations.....	3
PHY 210 .....	General Physics I .....	4
PHY 220 .....	General Physics II .....	4
ENGR 204.....	Electrical Circuits .....	3
ME 14500 .....	Computer-Aided Drafting .....	2
ME 24600 .....	Engineering Mechanics I .....	3
<b>Subtotal</b> .....		<b>33</b>
<b>Total Credits for Degree</b> .....		<b>66</b>

*Note: The program has received a waiver to specify particular courses students must take in STEM areas of the Common Core. If students take different courses in these areas they will be certified as having completed the Common Core area, but it may not be possible for them to finish their degree program within the regular number of credits.*