

# A.S. in MATHEMATICS (0604) 60 Credits

## Essex County College, METCS Division – Curriculum Guide

STUDENT: \_\_\_\_\_

ID#: \_\_\_\_\_

<b>General Education Requirements (33 Crs.)</b>		Crs.	✓
<b>Written &amp; Oral Communications (6 Crs.)</b>			
ENG 101	College Composition I	3	
ENG 102	College Composition II	3	
<b>Quantitative/Scientific Knowledge, Skills &amp; Reasoning (12 Crs.)</b>			
MTH 121	Calculus with Analytical Geometry I	4	
PHY 103	General Physics I	4	
PHY 104	General Physics II	4	
<b>Society &amp; Human Behavior (6 Crs.)</b>			
ECO 101, or 102	Choose <b>One</b> of the following Courses	3	
<b>E.g.</b> , ANT 101, 105; ECO 101,102; POL 101, 104; PSY 101, 102, 219; SOC 101, 108, 219	Choose <b>One</b> additional Social Science General Education Course	3	
<b>Humanistic Perspective (3 Crs.)</b>			
<b>E.g.</b> , ART 100, 101, 102; ARB 101, 102; CIN 101, ENG 205, 208, 215, 221, 222, 232, 237, 238, 242, 250, 263, 264; FRN 101, 102; ITL 101, MUS 100, 108, 109, 117; PHI 101; SPN 101 or higher	Choose <b>One</b> Humanities General Education Course	3	
<b>Historical Perspective (3 Crs.)</b>			
<b>E.g.</b> , HST 101, 102, 111, 112, 121, 122, 131, 132, 134, 135, 136, 137, 161, 162	Choose <b>One</b> History Course	3	
<b>Major Requirements (16 Crs.)</b>			
MTH 122	Calculus with Analytical Geometry II	4	
See METCS advisor for Major elective selections			
Major Elective		3	
Major Elective		3	
Major Elective		3	
Major Elective		3	
<b>Additional Requirements (14 Crs.)</b>			
ENG 105	Technical Writing	3	
MTH 221	Calculus with Analytical Geometry III	4	
MTH 222	Differential Equations	4	
CSC 100, 137, or CS 100 at NJIT	Choose a listed Computer Science course	3	
<b>Total Credits Required</b>		<b>60</b>	

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