

# MATHEMATICS - AS (0604)

Placement results will determine College Level Readiness in English and Mathematics.

Division: Mathematics, Engineering Technologies and Computer Sciences (METCS) Division

Code	Title	Credits
<b>General Education Requirements (30 Credits)</b>		
<i>Written &amp; Oral Communication (6)</i>		
ENG 101	College Composition I	3
ENG 102	College Composition II	3
<i>Quantitative/Scientific Knowledge, Skills &amp; Reasoning (12)</i>		
MTH 121	Calc with Analytic Geom I	4
PHY 103	General Physics I	4
PHY 104	General Physics II	4
<i>Society &amp; Human Behavior (6)</i>		
ECO 101 or ECO 102		3
Select one of the following:		3
ANT 101, ANT 105, ECO 101, ECO 102, POL 104, PSY 101, PSY 102, PSY 219, SOC 101, SOC 108, SOC 219		
<i>Humanistic Perspective (3)</i>		
Select any English Literature course OR		3
Select one of the following courses:		
ART 100, ART 101, ART 102, CIN 101, CIN 103, FRN 101, FRN 102, MUS 100, MUS 109, MUS 117, SPN 101, SPN 102		
<i>Historical Perspective (3)</i>		
Select any History (HST) course		3
<b>Major Requirements (16 Credits)</b>		
MTH 122	Calc with Analytic Geom II	4
Major Electives		12
<b>Additional Course Requirements (14 Credits)</b>		
ENG 105	Technical Writing	3
MTH 221	Calc with Analytic Geom III	4
MTH 222	Differential Equations	4
CSC 100	Fundamental of Computer Scienc	3
or CSC 137	Intro. to Programming in Java	
<b>Total Credits</b>		<b>60</b>

- If you do not place into MTH 121 Calc with Analytic Geom I the prerequisites are MTH 100 Intro. to College Mathematics, MTH 119 Pre-Calculus I and MTH 120 Pre-Calculus II. Math Placement is determined by the Mathematics Department. These courses should be taken in high school or the summer before your first semester at ECC.
- Major Electives are four 3-credit courses which are to be selected in consultation with a faculty advisor in the Division of METCS.

## Notes:

1. For an explanation of why General Education courses are included in this Program, please refer to the Section on General Education for an explanation of its Purpose and Requirements.
2. This plan assumes the student is eligible to enroll in College Level Courses (designated as 100 +, e.g., ENG 101 College Composition I, HST 101 World Civilization I, MTH 100 Intro. to College Mathematics).