

ENGINEERING - AS (0399)

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

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

Code	Title	Credits
General Education Requirements (31 Credits)		
<i>Written & Oral Communication (6)</i>		
ENG 101	College Composition I	3
ENG 105	Technical Writing	3
<i>Quantitative/Scientific Knowledge, Skills & Reasoning (16)</i>		
MTH 121	Calc with Analytic Geom I	4
MTH 122	Calc with Analytic Geom II	4
CHM 103	General Chemistry I	4
PHY 103	General Physics I	4
<i>Society & 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		3
or 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		
Major Requirements (26 Credits)		
CSC 112	Computer Prog. for Engr. Tech.	3
ENR 100	Fund. of Engineering Design	2
ENR 103	Engr. Graphics & Intro. to CAD	2
ENR 105	Applied Computer Aided Design	2
MTH 222	Differential Equations	4
PHY 104	General Physics II	4
Major Electives ¹		9
Additional Course Requirements (4 Credits)		
MTH 221	Calc with Analytic Geom III	4
Total Credits		61

- 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.

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Major Electives 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).