

# GENERAL ENGINEERING A.S.: 410

Total Credits: 63  
Catalog Editions 21-22 through 23-24

Name:

Date:

ID #:

<b>GENERAL EDUCATION: FOUNDATION COURSES</b>	Course	Hours	Grade
English Foundation <i>(grade of C or better required to graduate)</i>	ENGL 102	3	
Math Foundation	MATH 181	4	

<b>GENERAL EDUCATION: DISTRIBUTION COURSES</b>	Course	Hours	Grade
Arts Distribution (ARTD)			
Humanities Distribution (HUMD)			
Behavioral & Social Sciences Distribution (BSSD) **		3	
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Natural Sciences Distribution without Lab (NSND)	PHYS 161	3	
Natural Sciences Distribution with Lab (NSLD)	PHYS 262	4	
General Education Elective (GEEL)	ENES 100	3	

<b>PROGRAM REQUIREMENTS</b>	Course	Hours	Grade
ENGL 101 or ENGL 101A <i>(if needed for ENGL102/103 or Elective)*</i>			
	CHEM 131	4	
	MATH 182	4	
	MATH 280	4	
	MATH 282	3	
ENEE or ENES ELECTIVE			
ENEE or ENES ELECTIVE			
PHYS 263 or PROGRAM ELECTIVE †		4	
PROGRAM ELECTIVE †			
PROGRAM ELECTIVE †			

Has student completed the Global Perspectives requirement?  Yes  No

Overall GPA of 2.0 is required to graduate

Total Credits:

Global Perspectives Course:

[General Engineering Website](#)

\*\* The two behavioral and social sciences courses MUST be in different disciplines

Last Modified: March 2023

† PROGRAM ELECTIVES: MATH 165 if needed for MATH 181 or any course from the following disciplines: DATA, ENEE, ENES, PHYS, CMSC, CHEM, BIOL, GEOL, or MGMT. (Students are encouraged to speak with an engineering faculty advisor or their transfer institution when selecting program electives.)

## ADVISING NOTES ON PAGE 2

Advising Worksheet Contact: [Anthony Solano](#)

See an [advisor](#) to submit an [Application for Graduation](#) the semester BEFORE you intend to graduate.

This UNOFFICIAL document is for planning purposes ONLY and completion does not guarantee graduation.

## **ADVISING NOTES FOR GENERAL ENGINEERING**

- Most engineering students will start at MC missing one or more pre-requisites for CHEM 131, CHEM 132, CHEM 135, ENGL 102, ENES 100, and MATH 181.
- The appropriate initial chemistry courses will be determined by the student's score on the Chemistry Placement Exam, mathematics level, AP/IB credits, or transfer credits. Possible courses include CHEM 099, CHEM 131, CHEM 132, or CHEM 135. Either CHEM 132 or CHEM 135 satisfies the required chemistry credit for UMCP. CHEM 131-CHEM 132 satisfies the required chemistry credit for UMBC, but CHEM 135 does not.
- The pre-requisite for ENGL 102 is ENGL 101 or ENGL 101A. English course placement is determined by the Accuplacer English/Reading Test.
- The co-requisite for ENES 100 is MATH 165 or higher.
- The pre-requisite for MATH 181 is MATH 165 (Precalculus). Mathematics initial course placement will be determined by the ALEKS Math Placement, Accuplacer Math Test, AP/IB credit, or transfer credits.

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