

# BIOENGINEERING A.S.: 411A

Total Credits: 61  
Catalog Editions 20-21 through 23-24

Name:

Date:

ID #:

<b>GENERAL EDUCATION: FOUNDATION COURSES</b>	<b>Course</b>	<b>Hours</b>	<b>Grade</b>
English Foundation (grade of C or better required to graduate)	ENGL 102	3	
Math Foundation	MATH 181	4	
<b>GENERAL EDUCATION: DISTRIBUTION COURSES</b>	<b>Course</b>	<b>Hours</b>	<b>Grade</b>
Arts Distribution (ARTD)			
Humanities Distribution (HUMD)			
Behavioral & Social Sciences Distribution (BSSD) **		3	
Behavioral & Social Sciences Distribution (BSSD) **		3	
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>	<b>Course</b>	<b>Hours</b>	<b>Grade</b>
	CHEM 132	4	
	CHEM 203	5	
	ENES 102	3	
	ENES 120	3	
	ENES 232	3	
	ENES 240	3	
	MATH 182	4	
	MATH 280	4	
	MATH 282	3	

Has student completed the Global Perspectives requirement?  Yes  No

Overall GPA of 2.0 is required to graduate

Total Credits:

Global Perspectives Course:

[Bioengineering Website](#)

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

Last Modified: July 2023

## Financial Aid Notice:

Students that are required to take ENGL 101, MATH 165, CHEM 099 and/or CHEM 131 should declare as a General Engineering: 410 major until they qualify to register for ENGL 102, MATH 181, & CHEM 132.

Advising Worksheet Contact: [Anthony Solano](#)

## ADVISING NOTES ON PAGE 2

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 BIOENGINEERING**

- Most engineering students will start at MC missing one or more prerequisites 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 prerequisite for ENGL 102 is ENGL 101 or ENGL 101A. English course placement is determined by the Accuplacer English/Reading Test.
- The corequisite for ENES 100 is MATH 165 or higher.
- The prerequisite 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.
- BIOE 121, 241, and 371, for which MC has no equivalents, must be completed after transfer or through MTAP at UMCP.

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