

# BIOENGINEERING A.S.: 411A

Total Credits: 61  
Catalog Editions 20-21 through 21-22

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 2021

## 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 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.

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

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