

MECHANICAL ENGINEERING A.S.: 404

Total Credits: 63
Catalog Editions 18-19 through 24-25

Name:

Date:

ID #:

| GENERAL EDUCATION: FOUNDATION COURSES | Course | Hours | Grade |
|--|---------------|--------------|--------------|
| English Foundation (grade of C or better required to graduate) | ENGL 102 | 3 | |
| Math Foundation | MATH 181 | 4 | |

| GENERAL EDUCATION: DISTRIBUTION COURSES | Course | Hours | Grade |
|---|---------------|--------------|--------------|
| 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 | |

| PROGRAM REQUIREMENTS | Course | Hours | Grade |
|-----------------------------|---------------|--------------|--------------|
| | PHYS 263 | 4 | |
| CHEM 135 or CHEM 132 | | 4 | |
| | ENES 102 | 3 | |
| | ENES 206 | 1 | |
| | ENES 220 | 3 | |
| | ENES 221 | 3 | |
| | ENES 232 | 3 | |
| | ENES 272 | 2 | |
| | 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:

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

[Mechanical Engineering Website](#)

Last Reviewed: July 2024

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/CHEM 135.

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 MECHANICAL 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.
- CMSC 140 (3) or ENEE 150 (3) or CMSC 203 (4) and either ENES 240 (3) or ENES 206 (1) combined can be equivalent to UMCP's ENME 202 (3).

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