

# MECHANICAL ENGINEERING A.S.: 404

Total Credits: 63  
Catalog Editions 18-19 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>
	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 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/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 re-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 131-132 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 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.
- The combination of ENES 206 (1 credit) and ENEE 140 (2 credits) can be accepted at UMCP as ENME 202.

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