

MECHANICAL ENGINEERING A.S.: 404

Total Credits: 63
Catalog Editions 18-19 through 23-24

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 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/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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