

# MECHANICAL ENGINEERING A.S.: 404

Total Credits: 63  
Catalog Editions 18-19 through 19-20

Name:

Date:

ID #:

<b>GENERAL EDUCATION: FOUNDATION COURSES</b>	<b>Course</b>	<b>Hours</b>	<b>Grade</b>
English Foundation	EN 102/ <b>ENGL 102</b>	3	
Math Foundation	MA 181/ <b>MATH 181</b>	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)	PH 161/ <b>PHYS 161</b>	3	
Natural Sciences Distribution with Lab (NSLD)	PH 262/ <b>PHYS 262</b>	4	
General Education Elective (GEEL)	ES 100/ <b>ENES 100</b>	3	

<b>PROGRAM REQUIREMENTS</b>	<b>Course</b>	<b>Hours</b>	<b>Grade</b>
	PH 263/ <b>PHYS 263</b>	4	
CH 135/ <b>CHEM 135</b> or CH 102/ <b>CHEM 132</b>		4	
	ES 102/ <b>ENES 102</b>	3	
	ES 220/ <b>ENES 220</b>	3	
	ES 221/ <b>ENES 221</b>	3	
	ES 232/ <b>ENES 232</b>	3	
	<b>ENES 206</b>	1	
	<b>ENES 272</b>	2	
	MA 182/ <b>MATH 182</b>	4	
	MA 280/ <b>MATH 280</b>	4	
	MA 282/ <b>MATH 282</b>	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: May 2019

### 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 pre-requisite 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.
- The combination of ENES 206 (1 credit) and ENEE 140 (2 credits) can be accepted at UMCP as ENME 202.

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