MATERIALS SCIENCE AND ENGINEERING A.S.: 413

Total Credits: 60 Catalog Editions 16-17 through 19-20

Date:

ID #-

Name.	Date.	ıυ π .	
GENERAL EDUCATION: FOUNDATION COURSES	Course	Hours	Grade
English Foundation	EN 102/ ENGL 102	3	
Math Foundation	MA 181/ 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)	PH 161/ PHYS 161	3	
Natural Sciences Distribution with Lab (NSLD)	PH 262/ PHYS 262	4	
General Education Elective (GEEL)	ES 100/ENES 100	3	
PROGRAM REQUIREMENTS	Course	Hours	Grade
PROGRAM REQUIREMENTS CH 135/CHEM 135 or CH 102/CHEM 132		Hours 4	Grade
			Grade
	2	4	Grade
	CH 203/CHEM 203	4 5	Grade
	CH 203/ CHEM 203 PH 263/ PHYS 263	4 5 4	Grade
	CH 203/CHEM 203 PH 263/PHYS 263 ES 102/ENES 102	4 5 4 3	Grade
	CH 203/CHEM 203 PH 263/PHYS 263 ES 102/ENES 102 ES 220/ENES 220 ENES 206 MA 182/MATH 182	4 5 4 3 3 1 4	Grade
	CH 203/CHEM 203 PH 263/PHYS 263 ES 102/ENES 102 ES 220/ENES 220 ENES 206 MA 182/MATH 182 MA 280/MATH 280	4 5 4 3 3 1 4 4	Grade
CH 135/CHEM 135 or CH 102/CHEM 132	CH 203/CHEM 203 PH 263/PHYS 263 ES 102/ENES 102 ES 220/ENES 220 ENES 206 MA 182/MATH 182 MA 280/MATH 280 MA 282/MATH 282	4 5 4 3 3 1 4 4 3	
CH 135/CHEM 135 or CH 102/CHEM 132 Has student completed the	CH 203/CHEM 203 PH 263/PHYS 263 ES 102/ENES 102 ES 220/ENES 220 ENES 206 MA 182/MATH 182 MA 280/MATH 280	4 5 4 3 3 1 4 4 3	
CH 135/CHEM 135 or CH 102/CHEM 132 Has student completed the	CH 203/CHEM 203 PH 263/PHYS 263 ES 102/ENES 102 ES 220/ENES 220 ENES 206 MA 182/MATH 182 MA 280/MATH 280 MA 282/MATH 282	4 5 4 3 3 1 4 4 3	

Financial Aid Notice:

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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.

Materials Science and Engineering Website

Last Modified: May 2019

Advising Worksheet Contact: Anthony Solano

ADVISING NOTES ON PAGE 2

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

ADVISING NOTES FOR MATERIALS SCIENCE AND 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.
- UMCP's ENMA 300 and ENMA 301, for which MC has no equivalents, must be completed after transfer or through MTAP.

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.