

# OSU - College of Engineering, Architecture & Technology

## Mechanical Engineering, 2020-2021 Pre-Medical Option

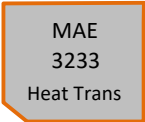


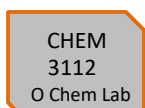
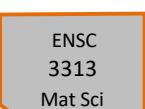
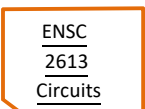
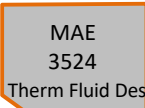
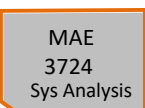
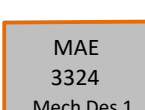
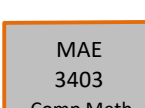


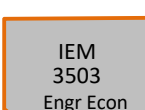

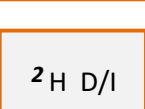

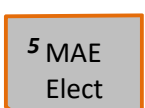
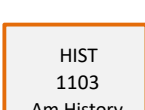

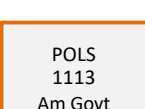
Semester 1, 19 credit hours	Semester 2, 17 credit hours	Semester 3, 19 credit hours	Semester 4, 17 credit hours
<p>ENGR 1111 Intro to Engr</p>	<p>ENGR 1412 VBA Prgm</p> <p>MAE 3403</p>	<p>MATH 2144 PHYS 2014</p> <p>ENSC 2113 Statics</p> <p>ENSC 2123 ENSC 2143 MAE 3333 MAE 3153</p>	<p>ENSC 2113</p> <p>ENSC 2123 Dynamics</p> <p>MAE 3153</p>
<p>CHEM 1314 or Adv Placement</p> <p>CHEM 1515 Chem 2</p> <p>ENSC 2213 ENSC 3313</p>	<p>ENGR 2421 Meas &amp; Inst Lab</p> <p>MAE 3333</p>	<p>CHEM1314, 1414 or 1515 MATH 2144 PHYS 2014</p> <p>ENSC 2213 Thermo</p> <p>MAE 3293 MAE 3153</p>	<p>ENSC 2113</p> <p>ENSC 2143 Strengths</p> <p>MAE 3153</p>
<p>BIOL 1114 Biology</p> <p>BIOL 1604</p>	<p>MATH 2144</p> <p>PHYS 2014 Physics 1</p> <p>ENSC 2113 ENSC 2213 PHYS 2114</p>	<p>PHYS 2014 or</p> <p>PHYS 2114 Physics 2</p> <p>ENSC 2613 MAE 3013</p>	<p>Co/Pre ENSC2143</p> <p>ENSC 2141 Strengths Lab</p> <p>MAE 3293</p>
<p>MATH 1813 or ALEKS</p> <p>MATH 2144 Calc 1</p> <p>PHYS 2014 MATH 2153 ENSC 2213</p>	<p>MATH 2144</p> <p>MATH 2153 Calc 2</p> <p>MATH 2163 MATH 2233 ENSC 2613 MAE 3333 IEM 3503</p>	<p>MATH 2153</p> <p>MATH 2163 Calc 3</p>	<p>ENSC 2113 MATH 2153 ENGR2421</p> <p>MAE 3333 Fluids</p> <p>MAE 3233 MAE 3153</p>
<p>ENGL 1113 Comp 1</p> <p>ENGL 1213</p>	<p>ENGL 1113</p> <p>ENGL 1213 Comp 2</p>	<p>MATH 2153</p> <p>MATH 2233 Diff Eq</p> <p>MAE 3293 MAE 3253 MAE 3013</p>	<p>Co/Pre MAE3333</p> <p>ENSC 3231 Fluids Lab</p>
<p>ENGR 1332 CAD/SolidWorks</p>	<p>BIOL 1114</p> <p>BIOL 1604 Animal Bio</p>	<p>CHEM 1515</p> <p>CHEM 3053 O Chem</p>	<p>ENSC2113 ENSC2213 ENSC2143 ENSC2123</p> <p>MAE 3153 Intro ME Design</p> <p>MAE 3324 MAE 3724 MAE 3524</p>
			<p>CHEM 3053</p> <p>CHEM 3153 O Chem 2</p>

**Summary of Graduation and School Requirements:** Grades of "C" or better in all prerequisite courses, their prerequisites, and courses that directly support ABET student outcomes. (footnote 1 on Degree Requirements Sheet 2020-2021. Grades of "C" or higher in all Upper Division Major Requirements courses. (footnote 2 on Degree Requirements Sheet 2020-2021. A minimum Technical GPA of 2.00, Technical GPA is calculated from all courses in the curriculum with a prefix belonging to the degree program, or substitutions for these courses.

1. If a 'B' or better is earned in ENGL 1113 or 1313, ENGL 3323 may be substituted for ENGL 1213 or 1413 (per Academic Regulation 3.5).
2. Min 6 hrs (H) and 6 hrs (S). Of these hours, 1 course must meet the International Dimension (I) and 1 course must meet the Diversity (D) req't.

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## Mechanical Engineering, 2019-2020 Pre-Medical Option

Semester 5, 17 credit hours	Semester 6, 15 credit hours	Semester 7, 15 credit hours	Semester 8, 16 credit hours
MAE 3333  MAE 3524 MATH 2233  MAE 3403 PHYS 2114 MAE 3724 BIOL 1604  MAE 3403 CHEM 3153  MAE 3403 CHEM 1314, 1414 or  MAE 3324 CHEM 1515 MATH 2153  MAE 3724 PHYS 2114	MAE 3233  CAT II MAE 3153 MAE 3013  CAT II ENSC 2613 MAE 3153 MAE 3153  CAT II ENSC 3313 MAE 3013  MAE 3403 ENGR 1412	Prereqs Vary by Course  Prereqs Vary by Course  MATH 2153   	MAE 3524  MAE 3324 MAE 3724 ENGR2421 ENSC2141 ENSC3231 Prereqs Vary by Course    

3. Category I - MAE 4243, 4263, 4703, 4713, 4353, 4363, 4513, or 4623 (See Catalog for Prerequisites).

4. Category II - MAE 4344 or MAE 4354 (See Catalog for Prerequisites).

5. MAE Elective (6 hours) - MAE 4003, 4243, 4263, 4703, 4713, 4723, 4353, 4363, 4513, 4623, 3033, 3123, 3253, 3293, 4053, 4063, 4313, 4273, 4333, 4583, 4733

