

# OSU - College of Engineering, Architecture & Technology

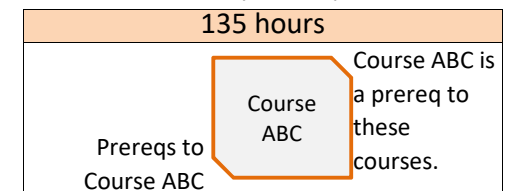
## Mechanical Engineering, 2021-2022 Pre-Medical Option

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>CHEM 1314 or Adv Placement</p> <p>CHEM 1515 Chem 2</p> <p>BIOL 1114 Biology</p> <p>MATH 1813 or ALEKS</p> <p>MATH 2144 Calc 1</p> <p>ENGL 1113 Comp 1</p> <p>ENGR 1332 CAD/SolidWorks</p>	<p>ENGR 1412 VBA Prgm</p> <p>ENGR 2421 Meas &amp; Inst Lab</p> <p>MATH 2144</p> <p>PHYS 2014 Physics 1</p> <p>MATH 2144</p> <p>MATH 2153 Calc 2</p> <p>ENGL 1113</p> <p>ENGL 1213 Comp 2</p> <p>BIOL 1114</p> <p>BIOL 1604 Animal Bio</p>	<p>MATH 2144 PHYS 2014</p> <p>ENSC 2113 Statics</p> <p>CHEM 1314, 1414 or 1515 MATH 2144 PHYS 2014</p> <p>ENSC 2213 Thermo</p> <p>PHYS 2014 or</p> <p>PHYS 2114 Physics 2</p> <p>MATH 2153</p> <p>MATH 2163 Calc 3</p> <p>MATH 2153</p> <p>MATH 2233 Diff Eq</p> <p>CHEM 1515</p> <p>CHEM 3053 O Chem</p>	<p>ENSC 2113</p> <p>ENSC 2123 Dynamics</p> <p>ENSC 2113</p> <p>ENSC 2143 Strengths</p> <p>Co/Pre ENSC 2143</p> <p>ENSC 2141 Strengths Lab</p> <p>ENSC 2113 MATH 2153 ENGR 2421</p> <p>MAE 3333 Fluids</p> <p>Co/Pre MAE 3333</p> <p>ENSC 2113 ENSC 2213 ENSC 2143 ENSC 2123</p> <p>ENSC 3231 Fluids Lab</p> <p>MAE 3153 Intro ME Design</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.

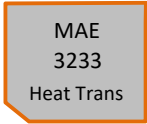
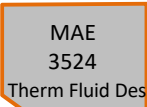



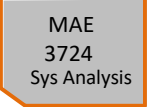
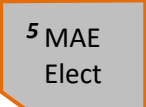
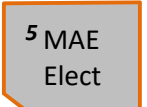


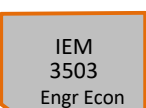
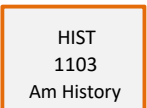
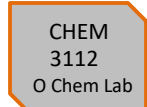

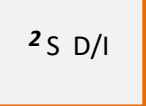



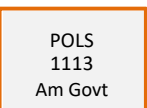
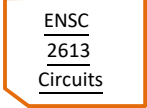
1. If a 'B' or better is earned in ENGL 1113 or 1313, ENGL 3323 may be substituted for ENGL 1213 or 1413 (per Academic Regulation 3.5).
2. Min 6 hrs (H) and 6 hrs (S). Of these hours, 1 course must meet the International Dimension (I) and 1 course must meet the Diversity (D) req't.

PLEASE NOTE: The following courses are suggested, but not required: BIOC 3653, BIOL 3023, BIOL 3204, BIOL 4134  
CHEM 1314 is recommended along with CHEM 1515 to meet the Oklahoma Medical Schools' requirement for 9 hours of inorganic chemistry



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

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

PLEASE NOTE: The following courses are suggested, but not required: BIOC 3653, BIOL 3023, BIOL 3204, BIOL 4134  
 CHEM 1314 is recommended along with CHEM 1515 to meet the Oklahoma Medical Schools' requirement for 9 hours of inorganic chemistry

