



OSU - College of Engineering, Architecture & Technology

Mechanical Engineering Pre-Professional School, 2014-2015

Pre-Medical Option

Semester 1, 17 credit hours	Semester 2, 18 credit hours	Semester 3, 19 credit hours	Semester 4, 18 credit hours
<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENGR</u> 1111 </div> <p>MIN C IN CHEM 1314 OR ADV PLACEMENT</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>CHEM</u> 1515 </div> <p>Min C in MATH 1613 or 1715 or ALEKS</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> ¹<u>ENGL</u> 1113 </div> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> BIOL 1114 </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENGR</u> 1412 </div> <p style="text-align: right;">MAE 3403</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENGR</u> 1332 </div> <p>MATH 2144 or Co</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>PHYS</u> 2014 </div> <p style="text-align: right;">ENSC 2113 ENSC 2213 PHYS 2114</p> <p>Min C in MATH 2144</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>MATH</u> 2153 </div> <p style="text-align: right;">MATH 2163 MATH 2233 ENSC 2613 ENSC 3233 IEM 3503</p> <p>ENGL 1113</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENGL 1213</u> or 3323 </div> <p>BIOL 1114</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ZOOL</u> 1604 </div>	<p>MATH 2144 PHYS 1114 or 2014</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENSC</u> 2113 </div> <p style="text-align: right;">ENSC 2123 ENSC 2143 ENSC 3233 MAE 3323</p> <p>CHEM 1314, 1414 or 1515 MATH 2144 PHYS 2014</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENSC</u> 2213 </div> <p style="text-align: right;">MAE 3223</p> <p>C or better in PHYS 2014 or 2314</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>PHYS</u> 2114 </div> <p style="text-align: right;">ENSC 2613</p> <p>Min C in MATH 2153</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>MATH</u> 2163 </div> <p>Min C in MATH 2153</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>MATH</u> 2233 </div> <p style="text-align: right;">MAE 3013 MAE 3723</p> <p>CHEM 1314 or 1414 or 1515</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENSC</u> 3313 </div>	<p>ENSC 2113</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENSC</u> 2123 </div> <p style="text-align: right;">MAE 3013 MAE 3113 MAE 3723</p> <p>ENSC 2113</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENSC</u> 2143 </div> <p style="text-align: right;">MAE 3323</p> <p>ENSC 2113</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENSC</u> 3233 </div> <p style="text-align: right;">MAE 3233</p> <p>MATH 2153</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENSC</u> 2613 </div> <p style="text-align: right;">MAE 3013 MAE 3113 MAE 3723</p> <p>CHEM 1415 or 1515 or equiv, no credit w/3015</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>CHEM</u> 3053 </div> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>HIST</u> 1103 </div>

Summary of Professional School Admission Requirements: Complete a minimum of 60 credit hours of required courses. Complete all underlined courses. Make a C or better in all English Courses. Make a C or better in all required Technical Courses with a GPA of 3.0 or better in those courses. Complete a minimum of 12 hours at OSU with a GPA of 3.0 or better in all courses taken at OSU. Complete a minimum of 9 hours of required technical courses at OSU with a GPA of 3.0 or better in all required technical courses taken at OSU.

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), 3 hrs (S) and 3 hrs. (S) from PSYC or SOC.
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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Semester 5, 18 credit hours	Semester 6, 17 credit hours	Semester 7, 18 credit hours	Semester 8, 13 credit hours
Min C in MATH 2153 <div style="border: 1px solid black; padding: 5px; display: inline-block;">IEM 3503</div>	Min C in ENSC 2123 ENSC 2613 <div style="border: 1px solid black; padding: 5px; display: inline-block;">MAE 3113</div>	⁸ Adm to PS ⁹ Prereqs Vary by Course <div style="border: 1px solid black; padding: 5px; display: inline-block;">³MAE CAT I</div>	⁸ Adm to PS ⁹ Prereqs Vary by Course <div style="border: 1px solid black; padding: 5px; display: inline-block;">⁵MAE CAT III</div>
Min C in ENSC 2113 ENSC 2143 <div style="border: 1px solid black; padding: 5px; display: inline-block;">MAE 3323</div>	Min C in ENSC 2123 ENSC 2613 MATH 2233 <div style="border: 1px solid black; padding: 5px; display: inline-block;">MAE 3723</div>	⁸ Adm to PS ⁹ Prereqs Vary by Course <div style="border: 1px solid black; padding: 5px; display: inline-block;">⁴MAE CAT II</div>	⁸ Adm to PS ⁹ Prereqs Vary by Course <div style="border: 1px solid black; padding: 5px; display: inline-block;">⁶MAE CAT IV</div>
Min C in ENSC 3233 <div style="border: 1px solid black; padding: 5px; display: inline-block;">MAE 3233</div>	Min C in ENGR 1412 <div style="border: 1px solid black; padding: 5px; display: inline-block;">MAE 3403</div>	⁸ Adm to PS ⁹ Prereqs Vary by Course <div style="border: 1px solid black; padding: 5px; display: inline-block;">⁷MAE Elective</div>	⁸ Adm to PS ⁹ Prereqs Vary by Course MICR 2123, MICR 2132 or BOT 1414 or ZOO 1604 & CHEM 1225 or 1515 or equiv. <div style="border: 1px solid black; padding: 5px; display: inline-block;">MICR 3033</div>
Min C in MATH 2233 ENSC 2123 ENSC 2613 <div style="border: 1px solid black; padding: 5px; display: inline-block;">MAE 3013</div>	Min C in CHEM 3153 or Co <div style="border: 1px solid black; padding: 5px; display: inline-block;">CHEM 3112</div>	<div style="border: 1px solid black; padding: 5px; display: inline-block;">POL 1113</div>	<div style="border: 1px solid black; padding: 5px; display: inline-block;">²S/D H/I</div>
Min C in ENSC 2213 <div style="border: 1px solid black; padding: 5px; display: inline-block;">MAE 3223</div>	⁸ Adm to PS ⁹ Prereqs Vary by Course <div style="border: 1px solid black; padding: 5px; display: inline-block;">⁷MAE Elective</div>	<div style="border: 1px solid black; padding: 5px; display: inline-block;">²S/D H/I</div>	
CHEM 3053 <div style="border: 1px solid black; padding: 5px; display: inline-block;">CHEM 3153</div> CHEM 3113 or Co	<div style="border: 1px solid black; padding: 5px; display: inline-block;">²S/D H/I</div>	<div style="border: 1px solid black; padding: 5px; display: inline-block;">²S/D H/I</div>	

3. Category I - MAE 4243 (ENSC3233, MAE 3293), 4263 (MAE 3223,3233), 4703 (MAE 3223, 3233), 4713 (ENSC 3233, MAE 3223, 3233, MAE 3403)
4. Category II - MAE 4353 (MAE 3323), 4363 (MAE 3113, 3323), 4513 (MAE 3323)
5. Category III - MAE 4273 (ENSC 3233, MAE 3113), 4333 (ENSC 3313). 4733 (MAE 3113, 3403)
6. Category IV - MAE 4344 (MAE 3233, 3113,3323), 4354 (MAE 3233, 3113, 3323)
7. MAE Elective - select from this list or from courses in the 4 categories above (but not used to satisfy that category) - MAE 3033 (ENGR 1332, MAE 3013, MAE 3323), MAE 3123 (ENSC 2143, ENSC 3313), MAE 3253 (ENSC 3233, MATH 2233), MAE 3293 (MATH 2233 ,ENSC 2213, ENSC 3233), MAE 4053 (MAE 3723), MAE 4063 (MAE 3723),MAE 4313 (ENSC 3313).

8. Admission to Professional School. 9. Prerequisites are shown in () in notes 3 thru 7 above.

Note: POLS 1113 is not included in the PS/Major GPA requirement.

