



OSU - College of Engineering, Architecture & Technology

Mechanical Engineering Pre-Professional School, 2012-2013

Semester 1, 18 credit hours	Semester 2, 17 credit hours	Semester 3, 16 credit hours	Semester 4, 12 credit hours
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENGR</u> 1111 </div> <p>HS/Coll Chem, Min C- MATH 1513 or Co in 1613, 1715</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>CHEM</u> 1414 </div> <p>ENSC 2213 ENSC 3313</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> HIST 1103 </div> <p>Min C in MATH 1613 or 1715 or ALEKS</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>MATH</u> 2144 </div> <p>PHYS 2014 or Co MATH 2153 ENSC 2113 ENSC 2213</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> ¹ENGL 1113 </div> <p>ENGL 1213</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> ³Basic Science </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENGR</u> 1412 </div> <p>MAE 3403</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENGR</u> 1332 </div> <p>MAE 3033</p> <p>MATH 2144 or Co</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>PHYS</u> 2014 </div> <p>ENSC 2113 ENSC 2213 PHYS 2114</p> <p>Min C in MATH 2144</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>MATH</u> 2153 </div> <p>MATH 2163 MATH 2233 ENSC 2613 ENSC 3233 IEM 3503</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> ²S/D H/I </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> POLS 1113 </div>	<p>MATH 2144 PHYS 1114 or 2014</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENSC</u> 2113 </div> <p>ENSC 2123 ENSC 2143 ENSC 3233 MAE 3323</p> <p>CHEM1314, 1414 or 1515 MATH 2144 PHYS 2014</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENSC</u> 2213 </div> <p>MAE 3223</p> <p>PHYS 2014 or 2314</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>PHYS</u> 2114 </div> <p>ENSC 2613</p> <p>Min C in MATH 2153</p> <div style="border: 1px solid black; 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 black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>MATH</u> 2233 </div> <p>MAE 3013</p>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENSC</u> 2123 </div> <p>ENSC 2113</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENSC</u> 2143 </div> <p>ENSC 2113</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENSC</u> 3233 </div> <p>ENSC 2113 MATH 2153</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENSC</u> 2613 </div> <p>MATH 2153 PHYS 2114</p> <p>MAE 3013 MAE 3033 MAE 3323 MAE 3233 MAE 3013</p>

underlined = required before Professional School

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, 3 hrs must meet the International Dimension (I) and 3 hrs must meet the Diversity (D) req't.
3. Basic Science Elective: select from ASTR 1014, 1024, BIOL 1114, CHEM 3053, GEOL 1114, 3413, PHYS 3213, 3313, 3713.



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Mechanical Engineering Professional School, 2012-2013

Semester 5, 15 credit hours	Semester 6, 15 credit hours	Semester 7, 15 credit hours	Semester 8, 16 credit hours
ENGR 1332 ENSC 2123 <div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">MAE 3033</div>	MAE 3013 <div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">MAE 3113</div>	Adm to PS Prereqs Vary by Course <div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">⁴MAE CAT I</div>	Adm to PS Prereqs Vary by Course <div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">⁶MAE CAT III</div>
ENSC 2113 ENSC 2143 <div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">MAE 3323</div>	MAE 3013 <div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">MAE 3723</div>	Adm to PS Prereqs Vary by Course <div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">⁵MAE CAT II</div>	Adm to PS Prereqs Vary by Course <div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">⁷MAE CAT IV</div>
MATH 2233 ENSC 2123 ENSC 2613 <div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">MAE 3013</div> MAE 3113 MAE 3403 MAE 3723	ENSC 3233 <div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">MAE 3233</div>	Adm to PS Prereqs Vary by Course <div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">⁸MAE Elective</div>	Adm to PS Prereqs Vary by Course <div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">⁸MAE Elect</div>
ENSC 2213 <div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">MAE 3223</div>	ENGR 1412 MAE 3013 <div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">MAE 3403</div>	ENGL 1113 <div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">ENGL 1213 or</div>	<div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">²S/D H/I</div>
CHEM 1314, 1414 or 1515 <div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">ENSC 3313</div>	MATH 2153 <div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">IEM 3503</div>	<div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">²S/D H/I</div>	<div style="border: 1px solid #C8513E; padding: 2px; display: inline-block; margin: 5px;">²S/D H/I</div>

4. Category I - MAE 4243, 4263, 4703, 4713
5. Category II - MAE 4353, 4363, 4513
6. Category III - MAE 4273, 4333, 4733
7. Category IV - MAE 4344, 4354
8. MAE Elective - select from this list or from courses in the 4 categories above (but not used to satisfy that category) - MAE 3123, 3253, 3293, 4053, 4063, 4313, 4623.

124 hours

