



# OSU - College of Engineering, Architecture & Technology

## Mechanical Engineering Pre-Professional School, 2017-2018

Semester 1, 17 credit hours	Semester 2, 15 credit hours	Semester 3, 16 credit hours	Semester 4, 15 credit hours
<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENGR</u> <u>1111</u> </div> <p>HS/Coll Chem, Min C- MATH 1513 1613, or 1715</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>CHEM</u> <u>1414</u> </div> <p style="text-align: right;">ENSC 2213 ENSC 3313</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENGR</u> <u>1332</u> </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;"> <u>MATH</u> <u>2144</u> </div> <p style="text-align: right;">PHYS 2014 MATH 2153 ENSC 2113 ENSC 2213</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <sup>1</sup><u>ENGL</u> <u>1113</u> </div> <p style="text-align: right;">ENGL 1213</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <sup>2</sup>S/D H/I         </div>	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENGR</u> <u>1412</u> </div> <p style="text-align: right;">MAE 3403</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>HIST</u> <u>1103</u> </div> <p>Min C in MATH 2144</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>PHYS</u> <u>2014</u> </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> <u>2153</u> </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</u> <u>1213 or</u> <u>3323</u> </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> <u>2113</u> </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> <u>2213</u> </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> <u>2114</u> </div> <p style="text-align: right;">ENSC 2613 MAE 3013</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> <u>2163</u> </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> <u>2233</u> </div> <p style="text-align: right;">MAE 3013</p>	<p>ENSC 2113</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENSC</u> <u>2123</u> </div> <p style="text-align: right;">MAE 3723 MAE 3113</p> <p>ENSC 2113</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENSC</u> <u>2143</u> </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> <u>3233</u> </div> <p style="text-align: right;">MAE 3233</p> <p>ENSC 2113 MATH 2153</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>ENSC</u> <u>2613</u> </div> <p style="text-align: right;">MAE 3723 MAE 3113</p> <p>MATH 2153 PHYS 2114</p> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px; text-align: center;"> <u>POLS</u> <u>1113</u> </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 (shaded blocks) 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) 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.



# OSU - College of Engineering, Architecture & Technology

## Mechanical Engineering Professional School, 2017-2018

Semester 5, 15 credit hours	Semester 6, 15 credit hours	Semester 7, 15 credit hours	Semester 8, 13 credit hours
Min C in ENSC 2113 ENSC 2143 <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <b>MAE 3323</b> </div>	Min C in MAE 3013 ENSC 2123 ENSC 2613 <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <b>MAE 3113</b> </div>	<sup>9</sup> Adm to PS <sup>10</sup> Prereqs Vary by Course <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <sup>4</sup>MAE CAT I           </div>	<sup>9</sup> Adm to PS <sup>10</sup> Prereqs Vary by Course <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <sup>6</sup>MAE CAT III           </div>
Min C in MATH 2233 PHYS 2114 <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <b>MAE 3013</b> </div> MAE 3113 MAE 3403 MAE 3723	Min C in MAE 3013 ENSC 2123 ENSC 2613 <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <b>MAE 3723</b> </div>	<sup>9</sup> Adm to PS <sup>10</sup> Prereqs Vary by Course <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <sup>5</sup>MAE CAT II           </div>	<sup>9</sup> Adm to PS <sup>10</sup> Prereqs Vary by Course <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <sup>7</sup>MAE CAT IV           </div>
Min C in ENSC 2213 ENSC 2113 <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <b>MAE 3223</b> </div>	Min C in ENSC 3233 <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <b>MAE 3233</b> </div>	Adm to PS Prereqs Vary by Course <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <sup>8</sup>MAE Elect           </div>	<sup>9</sup> Adm to PS <sup>10</sup> Prereqs Vary by Course <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <sup>8</sup>MAE Elect           </div>
Min C in CHEM 1314, 1414 or 1515 <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <b>ENSC 3313</b> </div>	Min C in MAE 3013 ENGR 1412 <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <b>MAE 3403</b> </div>	<div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <sup>2</sup>S/D H/I           </div>	<div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <sup>2</sup>S/D H/I           </div>
Min C in MATH 2153 <div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <b>IEM 3503</b> </div>	<div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <sup>3</sup>Basic Science           </div>	<div style="border: 1px solid orange; padding: 5px; display: inline-block; margin-top: 10px;"> <sup>2</sup>S/D H/I           </div>	

3. Basic Science Elective: select from ASTR 1013, 1023, BIOL 1114, CHEM 3053, GEOL 1114, 3413, PHYS 3213, 3313, 3713 (see Catalog for Prerequisites).
4. Category I - MAE 4243(ENSC3233, MAE 3293), 4263(MAE 3223, MAE 3233), 4703 (MAE 3223, MAE 3233), 4713 (ENSC 3233, MAE 3223, MAE 3233, ENGR 1412)
5. Category II - MAE 4353(MAE 3323), 4363(MAE 3113, 3323), 4513(MAE 3323), 4623(MATH2163, ENSC2123, ENSC2143, MAE3323)
6. Category III - MAE 4273 (ENSC 3233, MAE 3113), 4333 (ENSC 3313). 4733 (MAE 3113, MAE 3403)
7. Category IV - MAE 4344 (MAE 3233, MAE 3113, MAE 3323), 4354 (MAE 3233, MAE 3113, MAE 3323)
8. MAE Elective - select from this list or from courses in the 4 categories above (but not used to satisfy that category) -  
     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).
9. Admission to Professional School.      10. Prerequisites are shown in ( ) in notes 4 thru 8 above.

Note: Basic Science Elective is not included in the PS/Major GPA

