



# OSU - College of Engineering, Architecture & Technology

## Mechanical Engineering Pre-Professional School, 2013-2014

### 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 black; padding: 5px; margin-bottom: 10px; text-align: center;"><u>ENGR</u> <u>1111</u></div> <p>MIN C IN CHEM 1314 OR ADV PLACEMENT</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"><u>CHEM</u> <u>1515</u></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> <u>2144</u></div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"><sup>1</sup><u>ENGL</u> <u>1113</u></div> <div style="border: 1px solid black; padding: 5px; text-align: center;"><u>BIOL</u> <u>1114</u></div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"><u>ENGR</u> <u>1412</u></div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"><u>ENGR</u> <u>1332</u></div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"><u>PHYS</u> <u>2014</u></div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"><u>MATH</u> <u>2153</u></div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"><u>ENGL</u> <u>1213</u> or <u>3323</u></div> <div style="border: 1px solid black; padding: 5px; text-align: center;"><u>ZOOL</u> <u>1604</u></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> <u>2113</u></div> <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> <u>2213</u></div> <p>C or better in PHYS 2014 or 2314</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"><u>PHYS</u> <u>2114</u></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> <u>2163</u></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> <u>2233</u></div> <p>CHEM 1314 or 1414 or 1515</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><u>ENSC</u> <u>3313</u></div>	<p>ENSC 2123 ENSC 2143 ENSC 3233 MAE 3323</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"><u>ENSC</u> <u>2123</u></div> <p>ENSC 2113</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"><u>ENSC</u> <u>2143</u></div> <p>ENSC 2113</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"><u>ENSC</u> <u>3233</u></div> <p>ENSC 2113 MATH 2153</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"><u>ENSC</u> <u>2613</u></div> <p>MATH 2153 PHYS 2114</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px; text-align: center;"><u>CHEM</u> <u>3053</u></div> <div style="border: 1px solid black; padding: 5px; text-align: center;"><u>HIST</u> <u>1103</u></div>

underlined = required before Professional School (+2 other ENSC 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), 3 hrs (S) and 3 hrs. (S) from PSYC or SOC.

Of these, 3 hrs must meet the International Dimension (I) and 3 hrs must meet the Diversity (D) req't.

Note: ENGL 1213 is included in the PS/Major GPA requirement.



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## Mechanical Engineering Professional School, 2013-2014

### Pre-Medical Option

Semester 5, 18 credit hours	Semester 6, 17 credit hours	Semester 7, 15 credit hours	Semester 8, 19 credit hours
ENGR 1332 ENSC 2123	ENSC 2123 ENSC 2613	Adm to PS Prereqs Vary by Course	Adm to PS Prereqs Vary by Course
MAE 3033	MAE 3113	<sup>3</sup> MAE CAT I	<sup>5</sup> MAE CAT III
ENSC 2113 ENSC 2143	ENSC 2123 ENSC 2613 MATH 2233	Adm to PS Prereqs Vary by Course	Adm to PS Prereqs Vary by Course
MAE 3323	MAE 3723	<sup>4</sup> MAE CAT II	<sup>6</sup> MAE CAT IV
ENSC 3233	ENGR 1412	Adm to PS Prereqs Vary by Course	MICR 2123, MICR 2132 or BOT 1414 or ZOO 1604 & CHEM 1225 or 1515 or equiv.
MAE 3233	MAE 3403	<sup>7</sup> MAE Elective	MICR 3033
MATH 2233 ENSC 2123 ENSC 2613	MATH 2153	POL 1113	<sup>2</sup> S/D H/I
MAE 3013	IEM 3503	<sup>2</sup> S/D H/I	<sup>2</sup> S/D H/I
ENSC 2213	CHEM 3153 or Co		<sup>2</sup> S/D H/I
MAE 3223	CHEM 3112		
CHEM 3053	Adm to PS Prereqs Vary by Course		<sup>2</sup> S/D H/I
CHEM 3153	<sup>7</sup> MAE Elective		
CHEM 3153 or Co	See Note 6		

3. Category I - MAE 4243, 4263, 4703, 4713
4. Category II - MAE 4353, 4363, 4513
5. Category III - MAE 4273, 4333, 4733
6. Category IV - MAE 4344, 4354
7. 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.

Note: POLS 1113 is not included in the PS/Major GPA requirement.  
See Degree Sheet for additional recommendations.

